SURVEY Software Requirement Specification	November 14 **2022**
This document provides a comprehensive view of the SURVEY Software Requirement features in the application.	Version 1.2

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Document Reference Information

Title of the Document	*SURVEY Software Requirement Specification v1.0*
Controlled Copy (Yes/No)	Yes
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Date:

Accepted/Approved By:

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Date:

Revision History

Version	Date	Reasons for Changes	Name
1.0	10-10-2022	Draft version	ESTRRADO
1.1	01-11-2022	Change request and New features	ESTRRADO
1.2	14-11-2022	Change request	ESTRRADO
1.3	21-11-2022	Change request and New features	ESTRRADO

Table of Contents

1 Overview

The document provides the business needs that are required in the survey web application. The document contains what is required, which will help in the storage and retrieval of data giving the user maximum amount of data with a minimum effort.

User roles in the application are:

1. Super Admin
2. Admin
3. Surveyor
4. Assistant surveyors

1.1 Document Management

The purpose of this document is to present a detailed description of the SURVEY Web and app. It will explain the purpose and features of the system, the interfaces of the system, and what the system will do. This document is intended for both the stakeholders and the developers of the system.

This document is primarily intended for the development team to develop the first version of the system and the test team to test the software appropriately. This document states the functions and capabilities the application needs to provide, as and the basis for all subsequent project planning, design, coding, and testing.

1.2 Intended Audience

Virtually everyone involved in the project relies on this document. The development team, maintenance staff, testers and support people.

The targeted audience for this document includes business, technical and project management stakeholders. Specific users shall include software or system developers and testers. The primary audience is the designers/developers who will determine how these needs are to be met. The architects of the project will make the system more user-friendly by developing the system process.

2 Scope

The system comprises of three different units and their features are as follows:

A. SUPER ADMIN MODULE

This unit, the Super Admin module will be managed by the Super Admin and consists of the following Features:

a. Dashboard
b. Manage Offices
c. Manage Users, their roles and designations.
d. Manage customers and service allocations
e. Manage support related services
f. Manage reports and analysis

B. ADMIN MODULE WEB

This unit is the User Module which will be managed by the Admin and it consists of the following features:

a. login
b. Service request management
c. Manage users,Surveyors and assistant
d. Assignment and Reassignment work management
e. Dashboard
f. Manage Organization details

C. CUSTOMER MODULE WEB

a. This module is for customers from the Web. It comprises of the following features:
b. Login
c. User Profile
d. Service request page
e. Tracking the request
f. Support / help desk page

D. SURVEYOR MODULE WEB

a. Login
b. service document submission activity page.

E. Accounts officer

a. Service request page
b. Invoice received individual details (Accept)
c. Invoice received individual page (reject

F. Field assistant/ Draftsman

a. Service request page

b. Invoice preparation assignment received
c. Create invoice page

3 Specification

The following are the specifications for the project:

SL.No	Specifications	Description
1.		a)
2.		
3.		
4.		
5.		
6.		

4 Project Requirements

Tasks that must be completed to ensure the success of the project. Provide a clear picture of the work that needs to be done.

4.1 General Overview

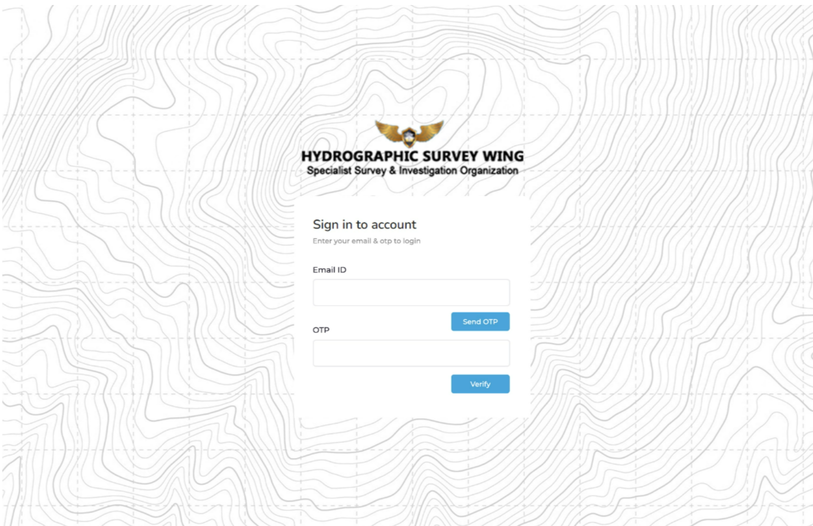
- There should be a front-end Super Admin Module (Web Application) for the System Admin to manage the organizations and the Service packages.
- There should be an Admin Module (Web Application) for all users which will be managed by the Super Admin.
- There should be a surveyor Module (Web Application) for surveyors which is under Admin, which will be managed by the Super Admin.
- The mobile application for surveyors shall be an extension of the user module in web and will be integrated with it.

4.2 Super Admin Module (Web)

4.2.1 Login Page

The Super Admin shall sign in to the application through the login page with their credentials. This unit shall be managed by the Super Admin.

Login Page



1. The Admin shall be able to enter their credentials and login to the application.
2. The password can be reset and the Admin will receive the reset link in the registered email ID to reset the password.
3. Only the System Admin shall have access to the Admin module.
4. Admin can login to the system by entering the Email id. Once the user enters the mail id , the system will send an OTP to the mail id . Users need to enter the OTP to successfully login to the system.

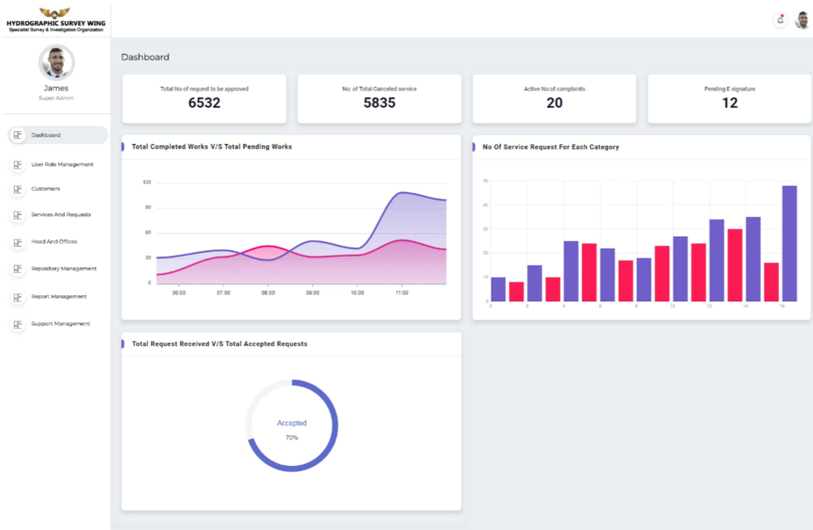
Login Page Attributes

S.No	Attribute	Description
	Username	Enter the username
	Password	Enter the password. The password shall be hidden
	Login (Button)	Click to login to the application

4.2.2 Dashboard

The landing page from login shall be the dashboard screen. The count of the total organizations, users and training programs will be displayed.

Dashboard



1. The count of the total number of requests to be approved will be displayed in tiles.
2. The count of the total number of canceled services will be displayed in tiles.
3. The count of the total number of active complaints will be displayed in tiles.
4. The count of the total number of active complaints will be displayed in tiles
5. Total completed works vs pending works will be graphically represented
6. Number of request for each category will be displayed graphically
7. Total accepted vs request received will be displayed.

8. The bell icon displays the notifications of new requests from clients as well when a new activity is done from the hierarchy will be displayed

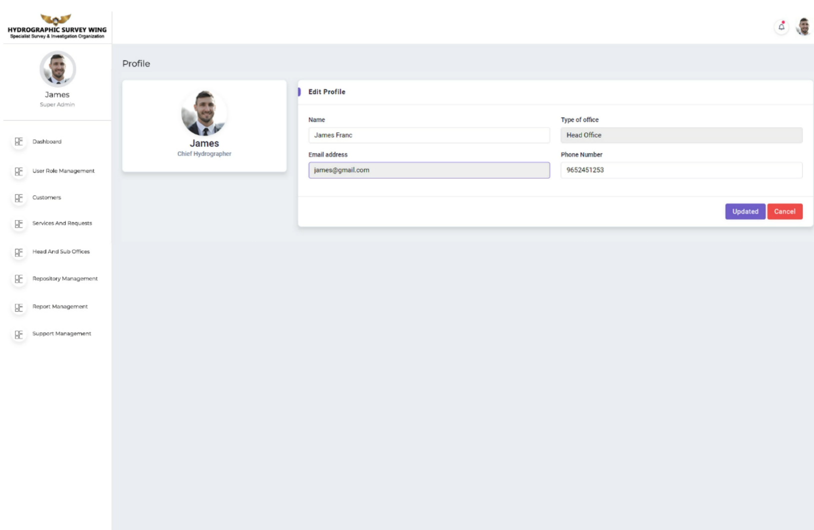
9. The System Admin will have access to the following modules:
   a. Dashboard
   b. Customer
   c. Service request
   d. Sub offices
   e. Repository management
   f. Report management
   g. Support management

Dashboard page Attributes

S.No	Attribute	Description
	Profile	Click to view the user's profile
	Notifications (Bell icon)	Display the notification count. Click to view the notification list.
	Dashboard Tiles	Displays the count of Organizations, Users and Training Programs
	Module List	Click to navigate to the respective module
	Signout	Click to sign-out from the application

4.2.3 Profile page

The Admin can update their profile by clicking on the profile icon.User can access their profile page once they logged in to the system. Users can view their profile page and view their added details.



Body contents

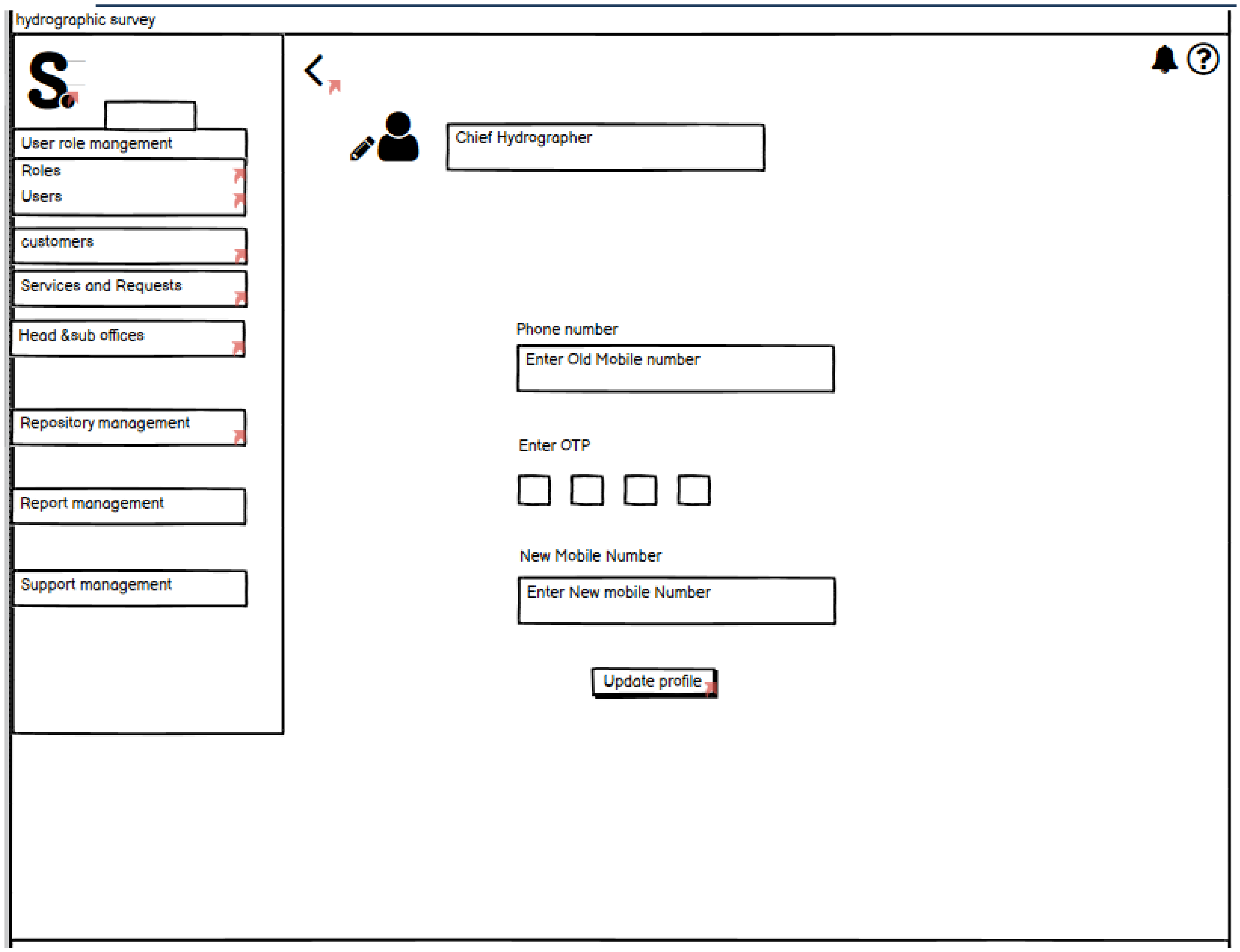
1. User will be displayed following details
    a. Name - User name will be displayed
    b. Designation - User designation will be displayed

c. Uploaded image - User can Upload images
d. Email address - User Email id will be displayed
e. Phone number - User can change/update the mobile number
f. Type of office - User type of office will be displayed

Admin Profile Attributes

S.No	Attribute	Description
	Name	Enter and update the Name of user
	OFFICE	Select the type of the office from the list
	Email ID	Enter and update the email ID of the user
	Phone No.	Enter and update the phone number of the user
	ROLE of the person	Automate populated
	Change Password	password

4.2.4 Edit Mobile Number



Edit mobile number Page attributes

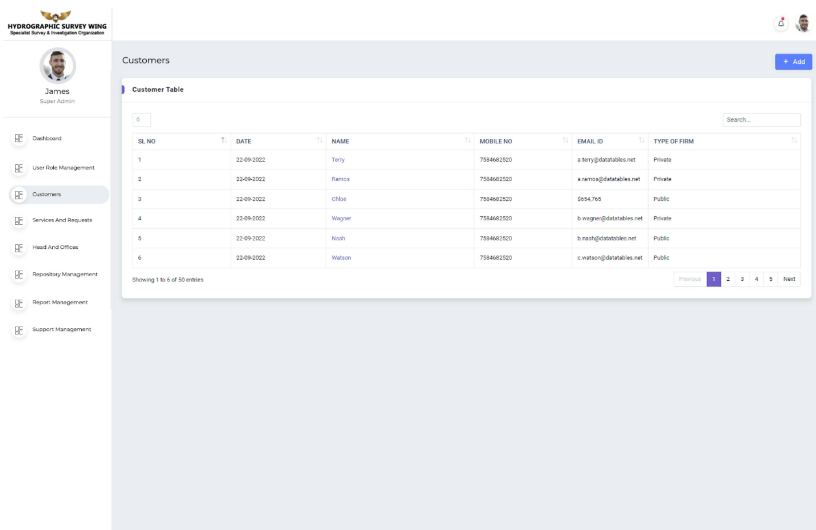
S.No	Attribute	Description
	designation	Display the Name of user
	Mobile number	Field to enter old mobile number
	OTP	Field to enter the OTP received
	Enter New Mobile number	Field to enter New mobile Number
	Update profile	Button to save the changes and update the mobile number

4.2.5 customers

The customer data will be managed by the Super Admin in this module. Super admin can view and manage all customers from this page. Users can see all the service requested / ongoing services and the customer's details in the list page. Users can view date, first name, last name, mobile number, email id , type of firm . User can click the name to open the individual details of the selected customer

Users can also add new customers by clicking on the add new user button, once the user clicks on the button , the system will direct the user to add a new customer page.

Customer master



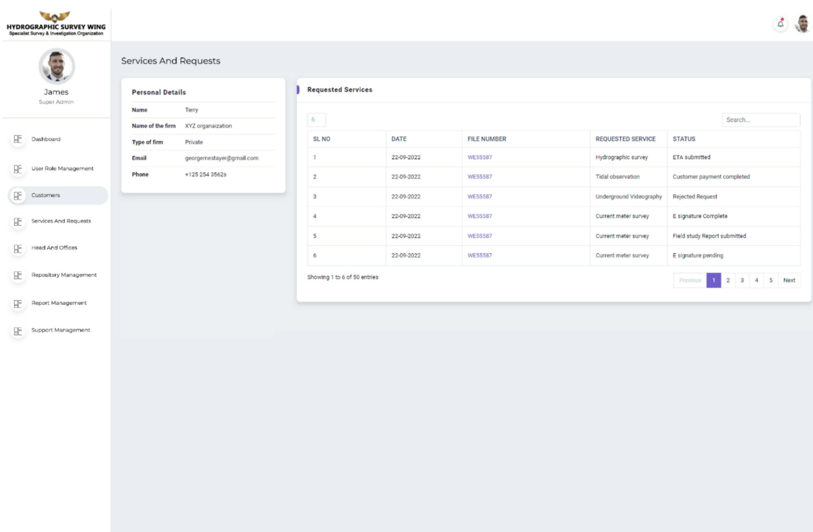
Masters Attributes

S.No	Attribute	Description
	Add New	Click to add a new customer
	List Table	Display the list of customers Columns: date, Customer Name,last name, mobile number, email id, type of firm
	Filter	Filter the list based on the selected filter

4.2.6 Customer Details Page

Users can access the individual details of each customer. Once the user selects a customer name from the list, the system will land the user to the individual page of the selected customer. Super admin (user) can view the following details

1. Table content
    a. Date - display the date of the request received
    b. File number - display the file number of requested services
    c. Requested services - display the requested services
    d. Status - status of each services will be displayed
2. Users basic details will be displayed
    a. Name , name of the firm, type of firm, email, phone number will be displayed.



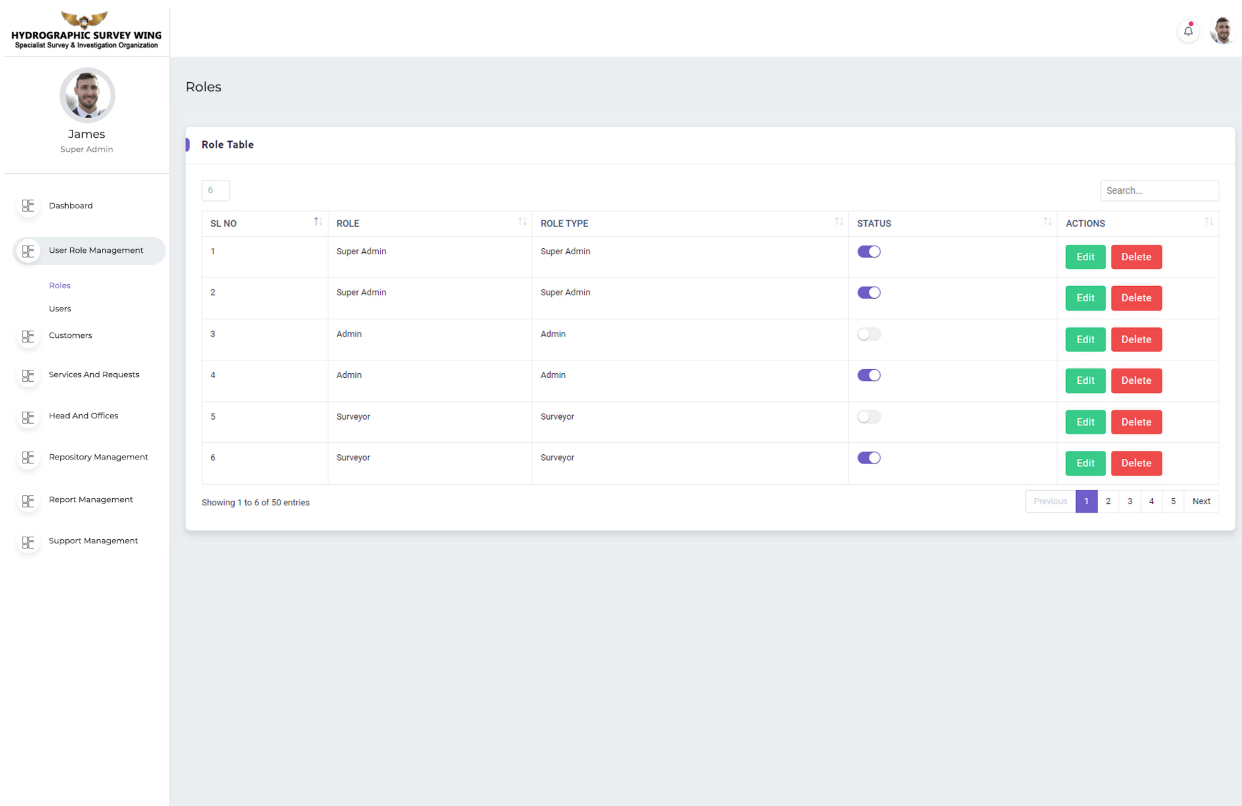
Customer individual page details

S.No	Attribute	Description
	Basic details	Displays customer registration details
	List Table	Display the list of customers requested services Columns: date, Customer Name,last name, mobile number, email id, type of firm
	timeline	Button to access the customers timeline page

4.2.7 User role management -roles

The System Admin can manage the roles in this module. The user roles are created and mapped to an organization. The permissions are mapped to the respective role types in the User roles page.Roles are mapped with role types. We are mapping each user's role based on role types, so that file/documents transfering in the internal system can be easily maintained.The user roles are also mapped with the organization hierarchy and department. The basic role types include Super Admin, Admin, Surveyor,assistant surveyor, accounts officer.

1. Page content
    a. Will display all the roles in table view , role name, role type, status, actions will be displayed.

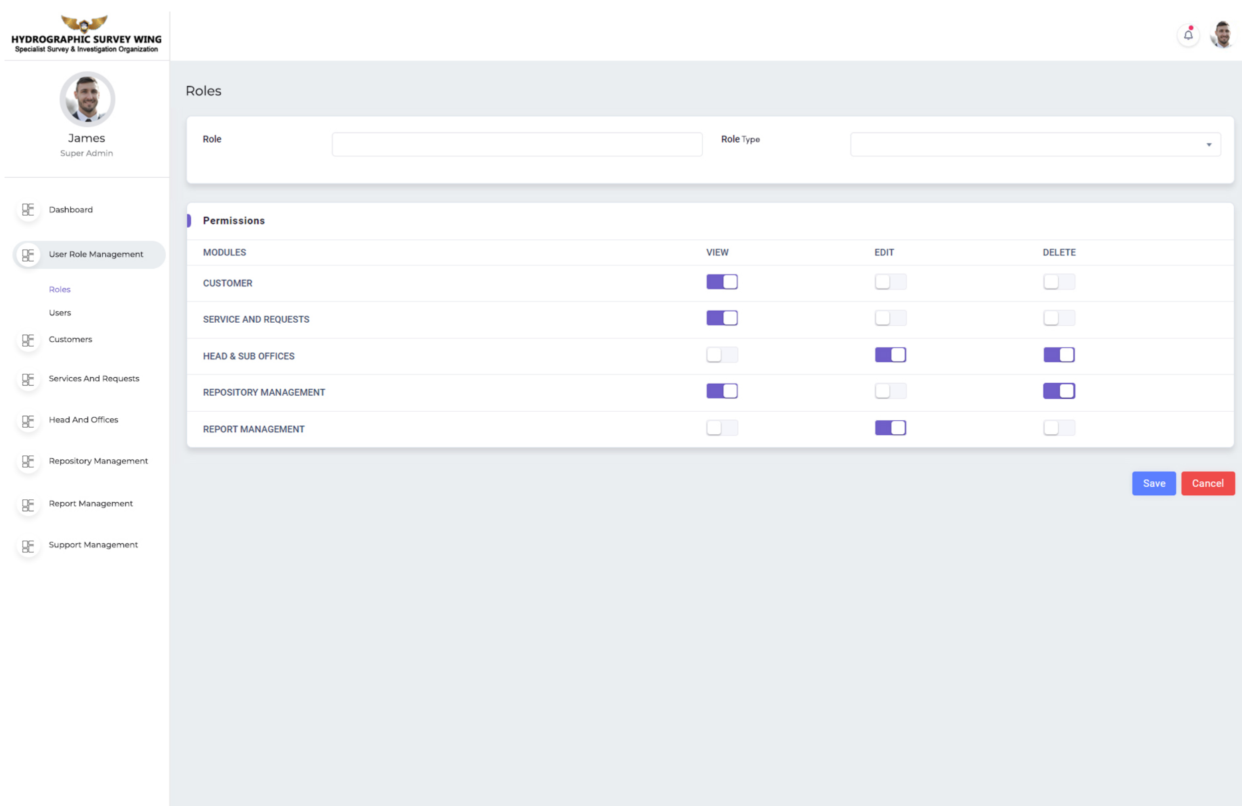


Roles list attributes

S.No	Attribute	Description
	Add New	Click to add a new role
	Table content (SLl no)	Auto increment table number
	Role Name	Will display the role names
	Role Type	Will display the role type names
	Status	Will display if active or not active (toggle function to make active or not active)
	Action - Edit	Edit - button to edit the role
	Action - Delete	Delete - button to delete that selected role

4.2.8 User role management - Add new role

Users can add a new role by clicking the role type. If the user wants to add a new role , can access the add new role page. Users need to fill in the details and can select the permission they can give to the adding role. Roles can be mapped with role type.



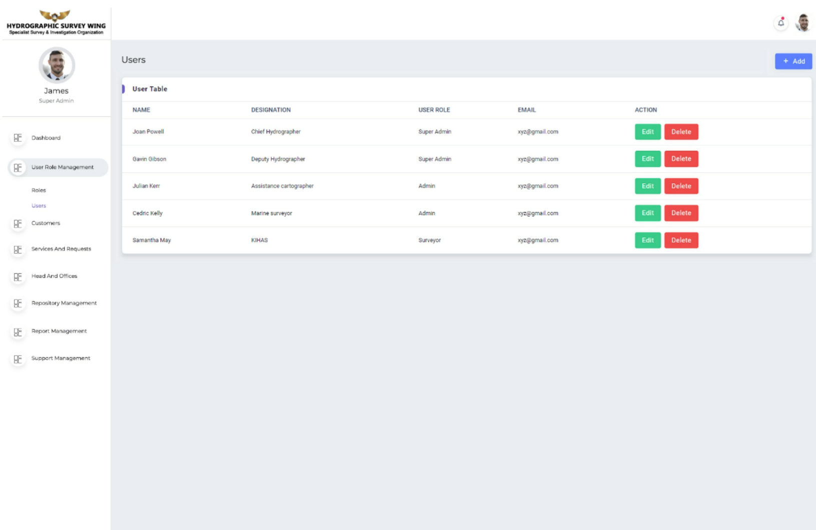
List attributes

S.No	Attribute	Description
	Name field	Enter role name
	Role type	Select which role type needed to map with this role
	List Table	Display the list of permission of each module (toggle option)
	cancel	Cancel button for clear the field and go back roles page
	save	Save button will save the added role to the roles list

4.2.9 User Role Management - Users

The System Admin can manage the users in this module.The users are created and mapped with the user role. The user will get the privileges of the role based on the hierarchy and department they're mapped to. When the user is created the first time the password is auto-generated by the system and the user can login with the credentials.

1. Each user will be mapped with the following
    a. Institution
    b. Role type
2. Table will display the following details
    a. Name, designation, user role, email, action
    b. Action - edit , delete



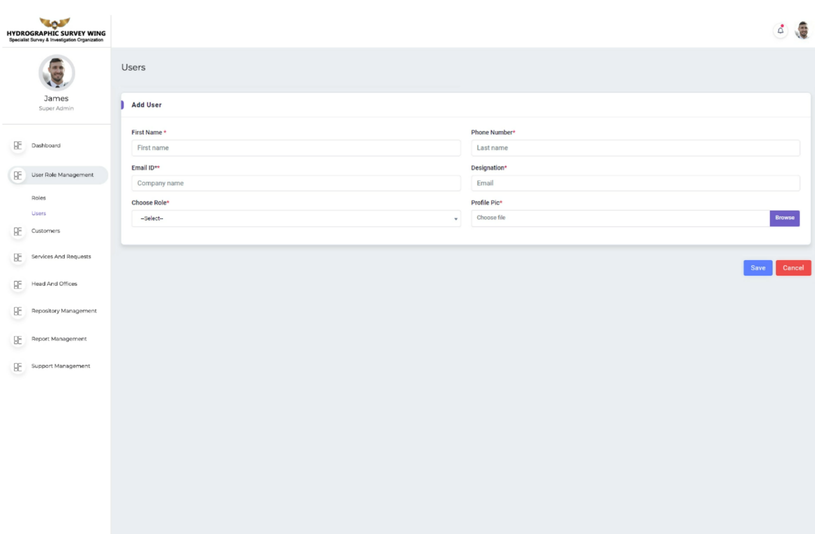
USERS List Attributes

S.No	Attribute	Description
	Add new	Add new user
	List Table	Display the list of users Columns: Select, Name, designation, user role, email
	Edit	Display the edit page of the selected role
	Delete	Click to delete the role

4.2.10 Add New User (changes)

Admin can manage the users , admin can add a new user and map their roles to avail the permission. Once the user is created.When the user clicks on Add new button , System will land the user to a page which the user needs to fill in the following details .

1. Page contents
    a. Avatar
    b. name (text field to enter the name)
    c. phone number (text field to enter the mobile number)
    d. email (text field to enter the email)
    e. designation (text field to enter designation CH, DH , etc)
    f. avatar upload (upload image from device function)
    g. choose role (select from list option) once the user is mapped with a role . the user will only be allowed to access those pages which are mapped to the role.
    h. Institution : user can select from the list.
    i. Parent : user can select the parent user from the list - the list will be based on two conditions:
        i. Institution
        ii. Role
    j. User needs to select an institution . once the institution is selected the user will be mapped, once the user selects the role , the higher hierarchy under the institution will be displayed while selecting the parent user.



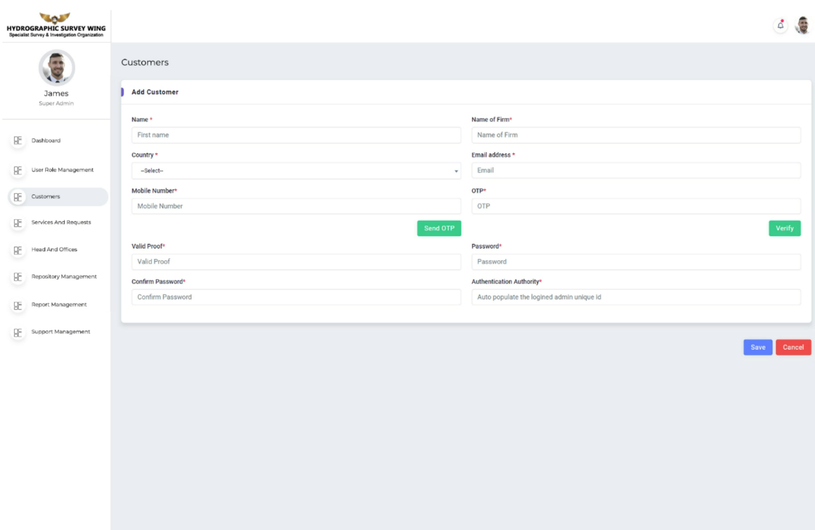
USERS Add NEW USER list Attributes

	Name	Field to enter the user name.
	Phone number	Field to enter the user mobile number.
	Add photo /upload	Upload function to add photo
	designation	Field to enter the designation
	Email	Field to enter email id
	Designation	Field to enter designation
	Choose role	Select from list
	Institutiton	Select from the list
	Parent user	Select from the lsit .
	cancel	Button to go back to user list
	save	Button to add the user in the system.

4.2.11 Add New Customer (changes)

Super Admin can add new customers from their login. If the customer is present in head office admin can himself add the customer (register).User can add new customer from the admin panel. If the customer is in person present, User can add the customer from this panel..

1. Add customer page details are following
   a. first name – text field user need to enter customers first name
   b. last name – text field user need to enter customers last name
   c. name of the firm – text field user need to enter customers name of firm
   d. type of the firm –select from option field that user need to enter customers type of firm
   e. email id – text field users need to enter customers' email id.
   f. mobile number – text field users need to enter customers mobile number.
   g. valid proof -– text field users need to enter customers with any legal valid proof.
   h. password – text field users need to enter a customer created password for their account.
   i. confirm password – text field users need to re -enter the password that customer gave.
   j. authentication authority – this field will be automatically populated with the name of the -person logged currently in the system.
   k. submit application – button will allow the user to create the customer account.



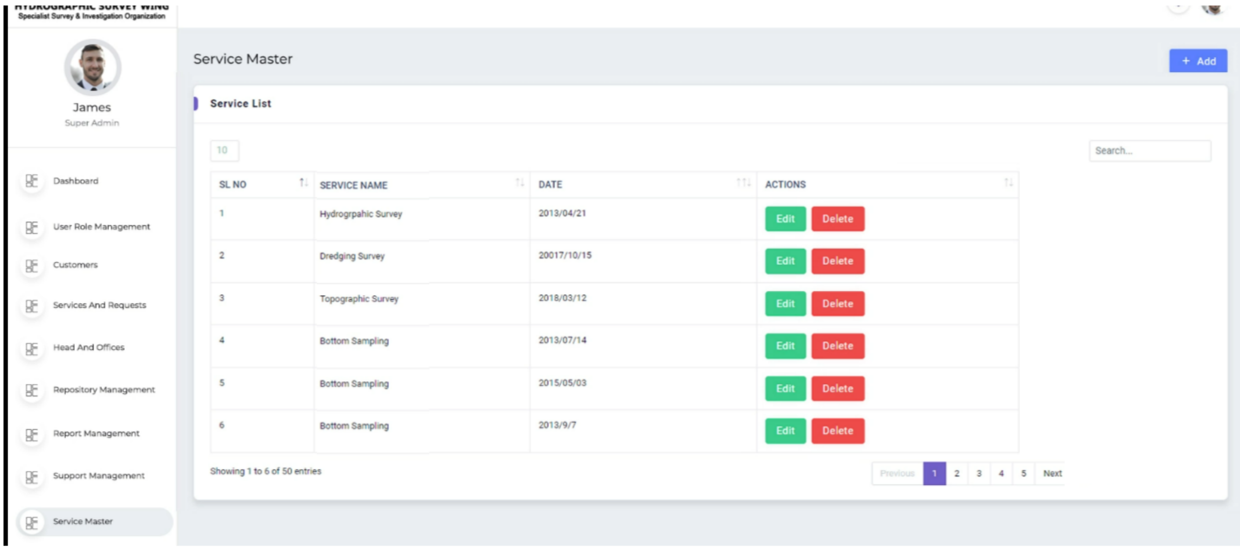
Registration page attributes

S.No	Attribute	Description
	First name	Field to enter name
	Last name	Field to enter name
	Name of the firm	Filed to enter the firm name
	Type of the firm	Select from the list PUBLIC or PRIVATE

S.No	Attribute	Description
	First name	Field to enter name
	Email id	Field to enter email id
	Mobile number	Field to enter mobile number
	Valid proof	Enter the valid proof
	password	Field to enter / create password
	Confirm password	Re-entered the password entered above. Should be match
	Authentication authority	Auto populate the logged in persons name or id number

4.2.12 Service master list page

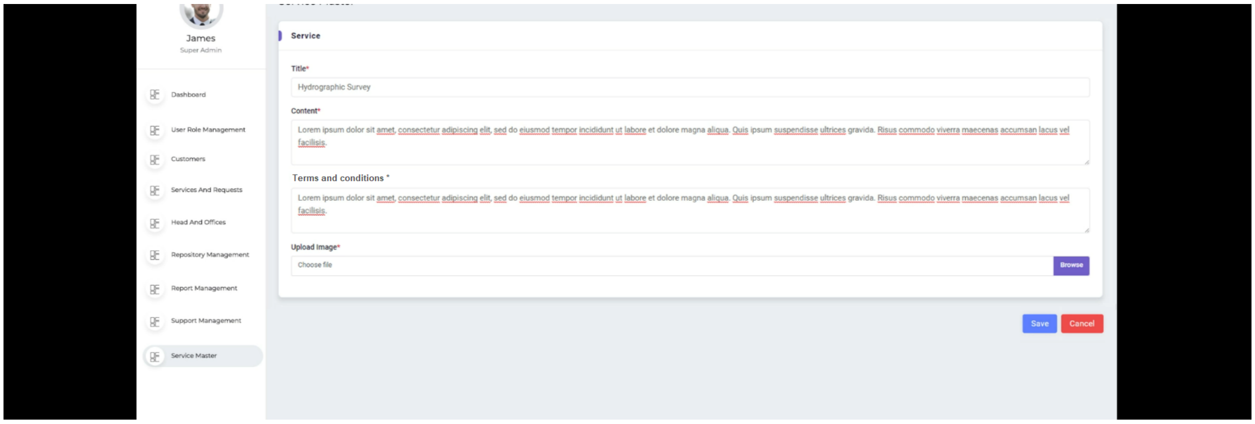
Users can add new services to the list. Users can create new services and avail to the customers. User adding service will be directly stored in the respective database and will be added in customers module.



S.No	Attribute	Description
	Table	Display Sl no, service name, date, action
	Edit	Button to edit the service
	Delete	Button to delete the service
	Add	Button to add new service

4.2.13 Service master - Add new service (changes)

Users can add new services to the list. Users can create new services and avail to the customers. User adding service will be directly stored in the respective database and will be added in customers module.



Add new service page attributes

S.No	Attribute	Description
	Name of the service	Field to enter name
	Service description	Field to enter description of the service
	Terms and conditions	Field to enter the terms and conditions
	image	Image upload option
	Save	Button to add the service to the list
	cancel	Button to cancel the page.

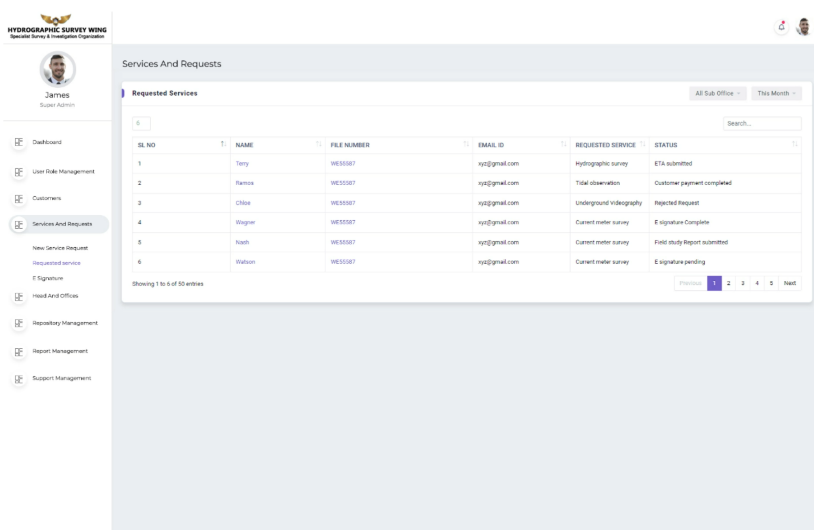
4.2.14 Service requests

The Super Admin can manage the service requests which will be made available in the webpage.

The packages module has the following features. This page will view all the accepted or on progressing services requests. Each various stages of a service request will be reflected here. Users can direct to the individual page of each customer's service by clicking on the file number .Users can status-wise can filter the table.

1. Table contents
   a. filters sub office wise
   b. Monthly wise
   c. search function – user can search file number or customer name, system will get the result.
   d. ongoing service will be displayed in table format
2. Body table Content
   a. Date - will display the date of the last activity that happened.
   b. Name – will display the customer name
   c. File number – will display the customer file number of the accepted service
   d. Users can view all the services in table view and can access the individual details by clicking the file number of the particular customer.
   e. Email id – will display the customers email id
   f. Requested service – will display the name if the service accepted or under progressing
   g. Status – will display the last activity that happened .

Service and request page



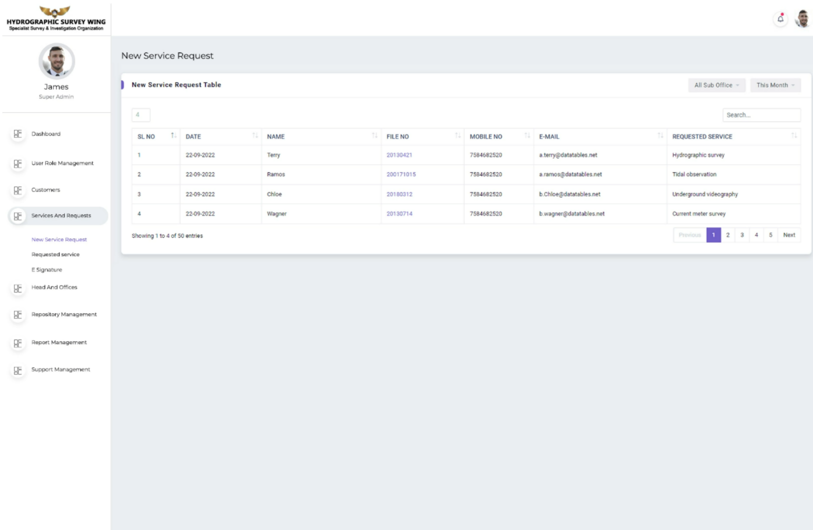
Service list page attributes

S.No	Attribute	Description
	date	Date of the requests accepted
	name	Name of the accepted customer
	File number	File number of the service request to track
	email	Customer email id
	Requested service	Name of the progressing requested services
	status	Current status of the progressing services
	filter	Filtering list based on month, sub office
	Search bar	Search bar to search service
	New service requests	Click to open the new service requests

4.2.15 New Service Requests

New service requests - button will allow the user to view and manage all newly received service requests User can view and manage all the service requests that came from customers. Customers can send service requests from their account and all the requests will be displayed in list format in the super admin panel. Super admin can only accept or reject the requests.All the service requests will be displayed in table format

1. Table content
    a. Date – date of the requests received
    b. First name – name of the customer who submitted the requests
    c. File number – file number of the requested service. Users can click the file number to go to the details page or individual details page of the customer. Once the user clicks on the file number, the system will direct the user to the details page of the selected customers.
    d. Mobile number – will display the customer mobile number
    e. Email id – will display the customers email id
    f. Requested service – will display the name of the service customer requested



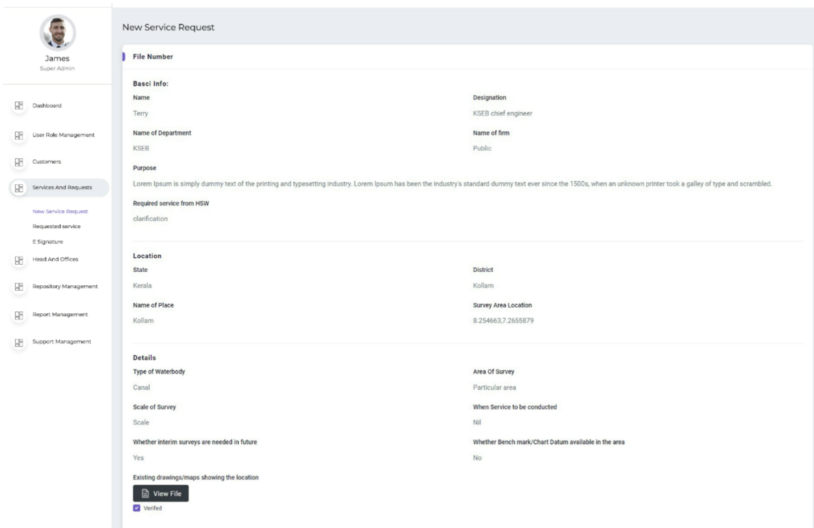
New service requests attribute

S.No	Attribute	Description
	date	Date of the requests accepted
	name	Name of the accepted customer
	File number	File number of the service request to track
	email	Customer email id
	Mobile number	Customer registered mobile number
	Requested service	Name of the requested service

4.2.16 Service Request - Submitted Form Page

Super admin can view the service request received from customers. When a customer submitted a service request,it will be listed in the new service request page. Once the user clicks on a particular file number, the customer submitted form page will be visible for user verification.

1. Page content
    a. Name
    b. Name of department



S.No	Attribute	Description
	name	Name of the customer requested
	designation	Designation of the customer
	Name of the department	Type of the department (private or public undertakings)
	Name of the firm	Name of the firm
	purpose	Description of the purpose of this request
	Requested service from HSW checklist	Not clarified
	Next page	Button to move to next page

S.No	Attribute	

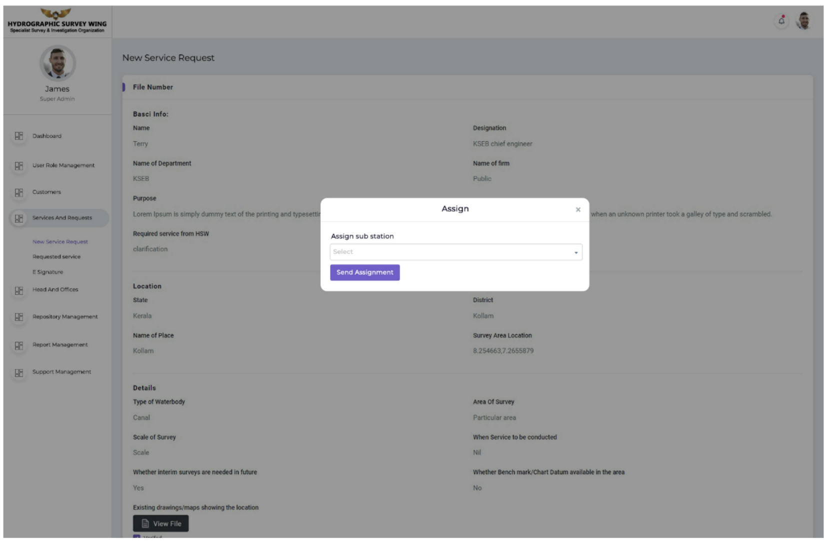
	state	Customer state location
	district	Customer district location
	Name of place	Customer place/ location name
	Survey area location	Survey area location (data type not confirmed)
	Next page	Button to move to next page

S.No	Attribute	Description
	Type of waterbody	Customer selected type of water body
	Area of survey	Customer selected area of survey
	Scale of survey	Data type ot clarified
	When service to be conducted	Data type not clarified
	Whether interim survey needed in future	Customer selected from option
	Whether benchmark / chart datum in the area	Customer selected form option
	Existing drawings /maps showing location	Customer added docs/files
	verify	Verify checklist button to mark the docs is verified
	Accept and send customer notification	Accept button to accept the request and send customer the notification
	Reject open send notification	Reject open button to send customers the request rejected with remarks added .
	Reject closed send notification	Reject button to send customer the request rejected and closed , no more interactions will happen after this.

4.2.17 Accept and Send Notification

Super Admin (user) can accept the request and send customer notification .Once the user clicks on accept and send notification button , the system will allow the user to send customer notification and the system will allow the user to assign the sub office. Users can select the sub office from the list. the user can select an office and click the button SEND ASSIGNMENT to assign the office and send them notification.

1. Assigning page content
   a. Select the sub office from the list
   b. Send assignment - button will allow the user to send the assignment.



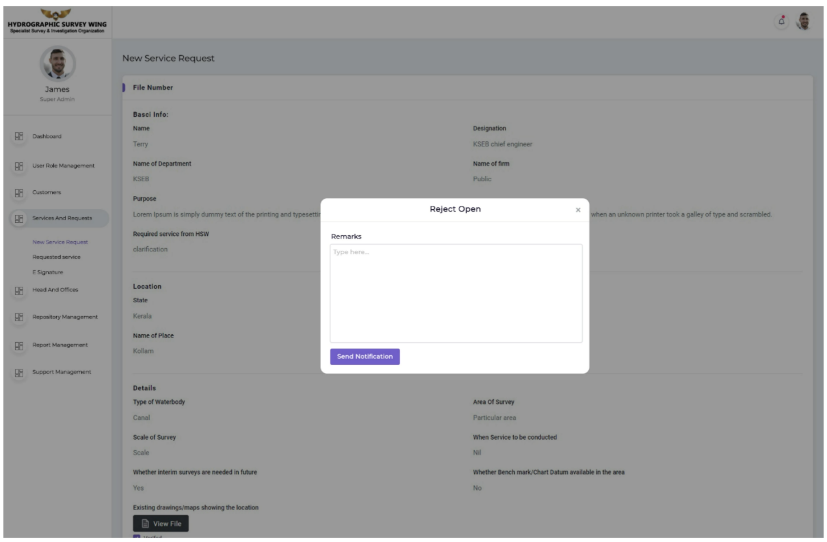
Accept and send notification page attributes

S.No	Attribute	Description
	Customer file number	Customer file number will be displayed
	Requested service	Customer requested service name will display
	Assign sub station	Select sub station from list to assign the service
	Send assignment	Send button to send notification and assignment.

4.2.18 Reject Open and Send Notification (changes)

Once the user clicks on the reject open and send notification button, the system will land the user to add remarks page. Once the user selected the reject with open button , system will allow the user to add remarks and send notification

1. Reject open page content
    a. Remarks - text area to add remarks
    b. Send notification - button to send the notification including the remarks to the customer.



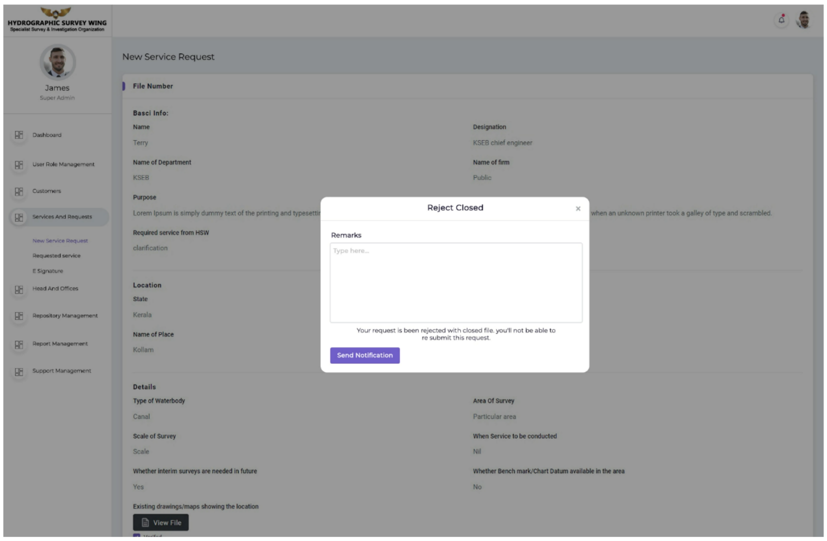
Reject open send notification page attributes

S.No	Attribute	Description
	Customer file number	Display the customer file number
	First name	Display customer first name
	Last name	Display customer last name
	Requested services	Display customer requested service name
	remarks	Text Field to add the remarks (including section to mark - Basic details, location, Details - select focus area option).
	Send notification to customer registered email id.	Send button to send notification . linked with confirmation page

4.2.19 Reject Closed and Send Notification

Users can reject the request by entirely closing the transactions. Once the user clicks on reject with a closed button, the system will direct the user to add a remarks page.

1. Reject with closed page contents
    a. Remarks - text field for user to add remarks
    b. Static remarks will be displayed apart from user added remarks
    c. Send notification - button will allow the user to send the remarks and notify the customer.

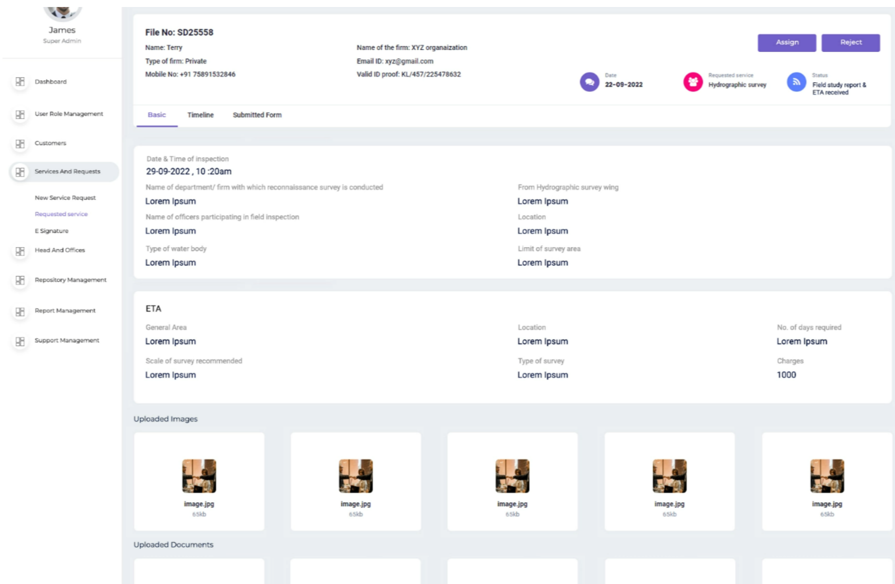


Reject closed send notification page attributes

S.No	Attribute	Description
	Customer file number	Display the customer file number
	First name	Display customer first name
	Last name	Display customer last name
	Requested services	Display customer requested service name
	remarks	Text Field to add the remarks
	File closed notification	Pre added text field about file reject closed (customer acknowledgement message)
	Send notification to customer registered email id.	Send button to send notification . linked with confirmation page

4.2.20 DH verified field study report with ETA (changes)

Users will receive the field study report with ETA added by the admin . the user can see the details page by clicking the file number of the particular file number. Once the user clicks , the system will display the user report created by the surveyor and ETA added by the admin(sub office). Users can verify the report and assess the draftsman or field assistant for creating invoice. Users can select the draftsman / field assistant from the list to whom they want to assign the invoice preparation assignment. Once the user selects a particular user and clicks the send button will notify the customer. **Status changes.**

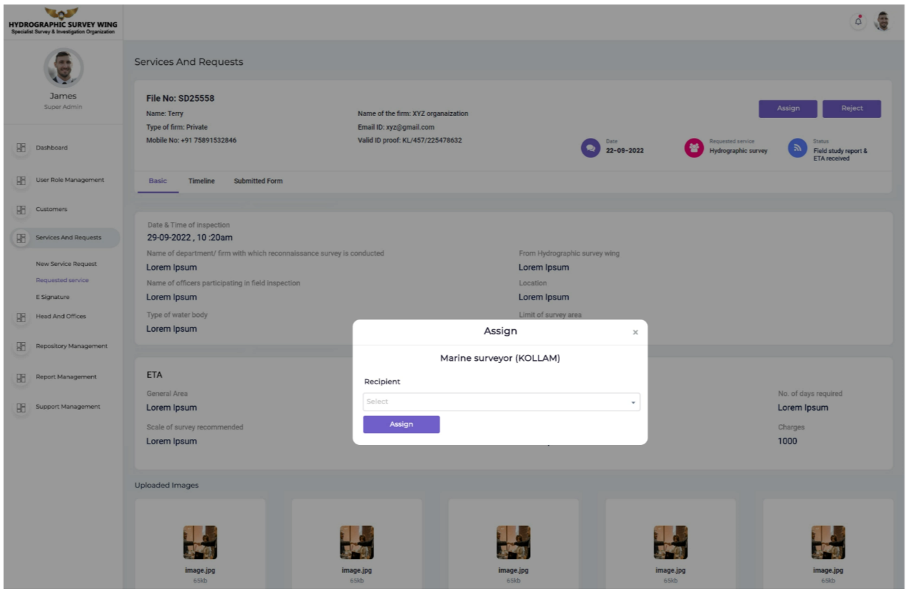


Report page attributes

S.No	Attribute	Description
	report	Will display the report
	assign	Button to assign the field assistant or draftsman
	revoke	Button to reject the report back to admin
	Reject	Reject the service entirely and send customer notification.

4.2.21 Assign the draftsman or field assistant for invoice preparation

Users can select the field assistant or draftsman to send the invoice preparation assignment. Once the user select the receipt and clicks the button Send will send the assignment and user will be notified

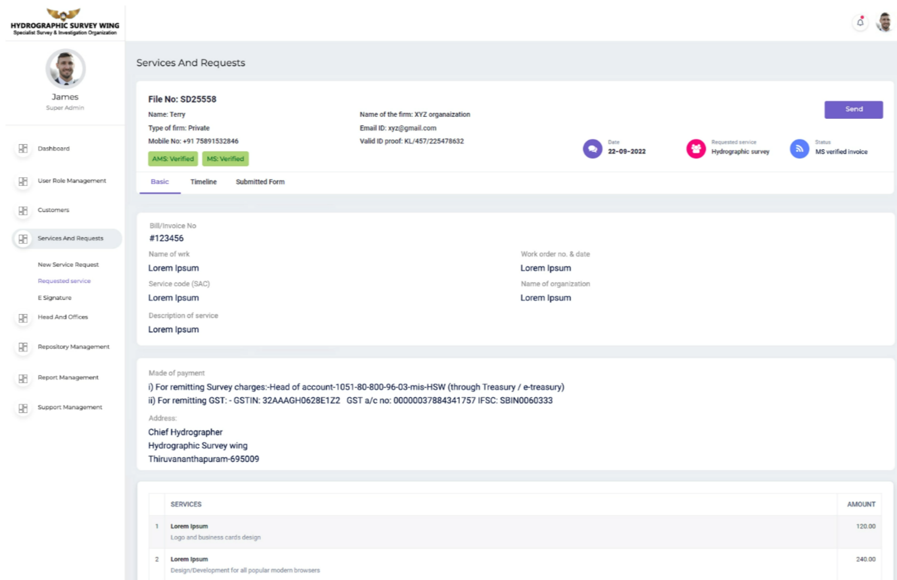


Page attributes

S.No	Attribute	Description
	Name of the sub office	Will display the sub office name
	Recipient	Select from the list
	assign	Button to send the assignment

4.2.22 Invoice verified by DH

Once the marine surveyor (admin) verifies the invoice , the user will receive the notification and once the user opens the page will allow the user to send the invoice to the customer.
Users need to send the invoice as a proforma invoice in the initial stage for customer acceptance. Users can select the invoice as proforma before sending and will be sent as the proforma invoice to the customer. Once the customers accept the proforma , CH (super admin) will be notified as customer accepted proforma . then the user can send the original invoice . if the customer rejects the proforma invoice, will cancel the service entirely.

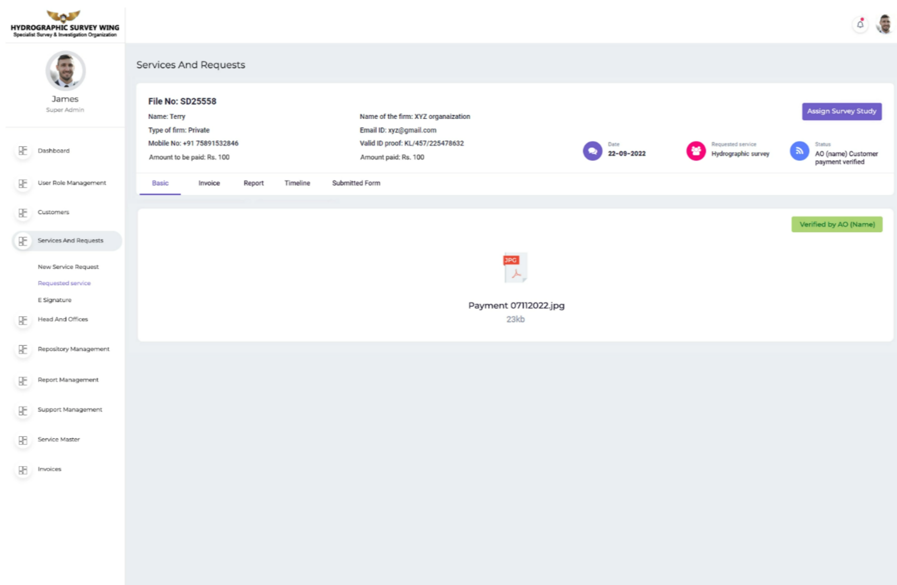


Page attributes

S.No	Attribute	Description
	Invoice details	Will display invoice details
	Verified status	A. cartographer and AMS verified status will display
	Send	Button to send the invoice to the customer.
	Assign survey study	Assign the survey study without sending the invoice to the customer at the same time the accounts office will be notified.

4.2.23 DH verified the receipt

Once the accounts officer verified the customer submitted the receipt , the user will be notified and can view the status . Once the status is verified that the accounts officer verified the payment receipt , users can initiate the survey study . users can assign a particular sub office to conduct the survey study.

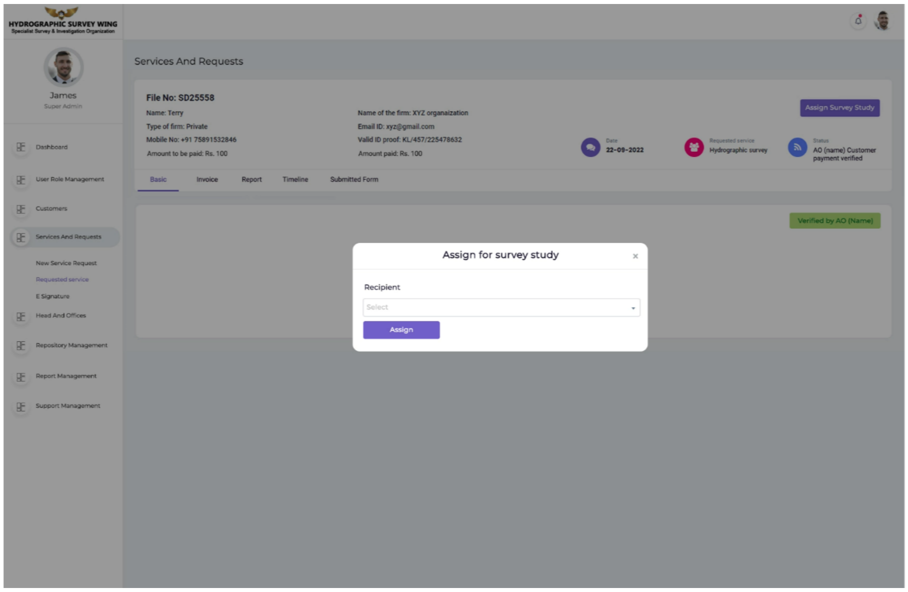


Page attributes

S.No	Attribute	Description
	Verified status	AO verified status will display
	Assign survey study	Button to provide the sub office list to assign survey study assignment

4.2.24 DH verified the invoice - assign the survey study page (change)

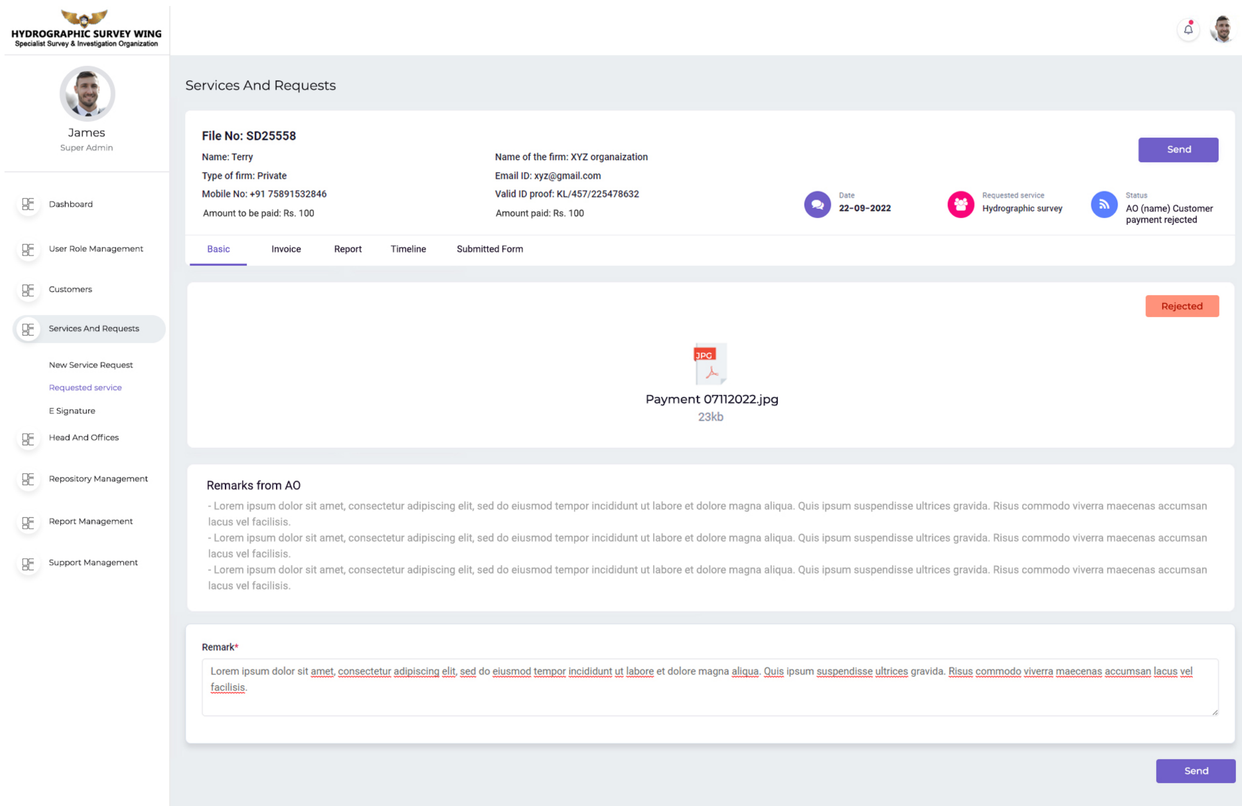
This page will allow the user to select the sub office which they want to send the survey study assignment to. Once the user select the recipient and clicks the assign button will send the recipient the assigned notification



S.No	Attribute	Description
	Recipient	Sub office list to select
	assign	Button to send survey study assignment
	Date field	Field to select a date to which the surveyor needs to conduct the survey.

4.2.25 Account officer rejected the payment receipt

Once the accounts officer rejected the customer's submitted receipt. Users can notify the customer by adding the remarks. Once the user added remarks and can send the customer notification about the user.

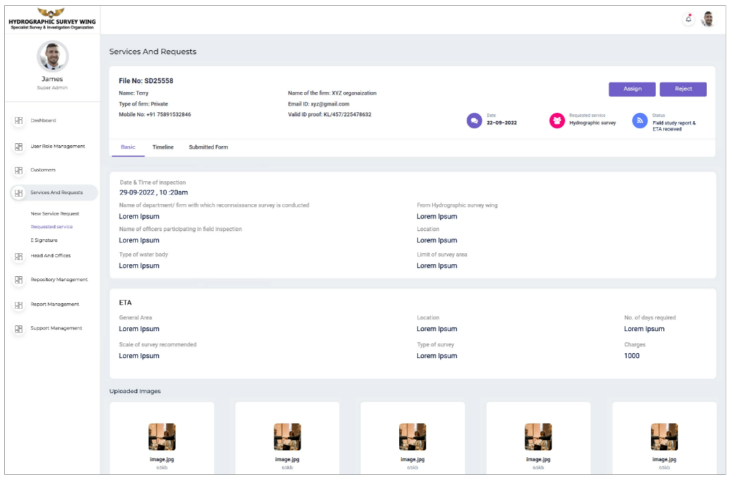


Page attributes

S.No	Attribute	Description
	Remarks	Super admin/chief hydrographer added remarks will be display
	Send	Button to send survey the remarks to customer

4.2.26 DH verified survey report

Once the survey study report was verified by the marine surveyor (admin) . the user will be notified and can send the report to the draftsman in the head office . Once the draftsman is verified will be transferred to higher hierarchy until DH. once the DH verified teh report , CH can send the report to draftsman for E signature process



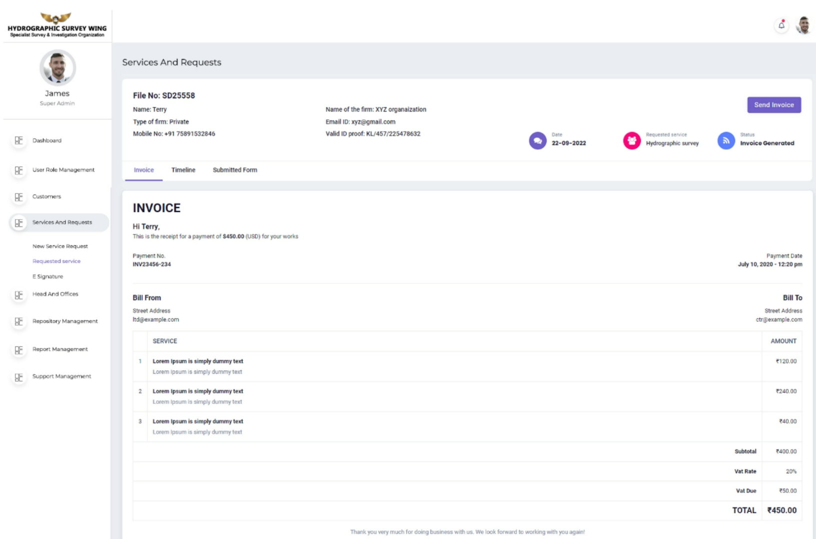
Page attributes :

S.No	Attribute	Description
	Basic details	Customer basic details (registered time data) will display
	Report	Will display the report and docs attached.
	Verify	Button to send the report to draftsman- once the hierarchy is completely verified , CH can mark verified . once the CH user verified . Draftsman will be allowed to generate E signature to the report.
	Reject	Button to reject the report , and will notify the surveyor

4.2.27 Service Individual Details Page

Users can view and manage the individual service details of a customer by clicking the file number. Once the user clicks on a file number, the system will direct the user to the individual details page.

1. Page contents
   a. Basic details – will display the basic details of the customer. First name, last name, name of the firm, type of the firm, email, mobile number, valid proof
   b. Activity page (name will be varying) – button to access the activity area of the service request.activity area for (Super Admin and Admin users) area where the user can trigger their pending actions. Sending invoices, verifying the invoice receipt.
   c. Timeline – button to access the log page of the selected progressing service.
   d. Submitted form – button to access the form that customer submitted for this particular service
   e. Service last activity happened date , name of the service and status will be displayed.



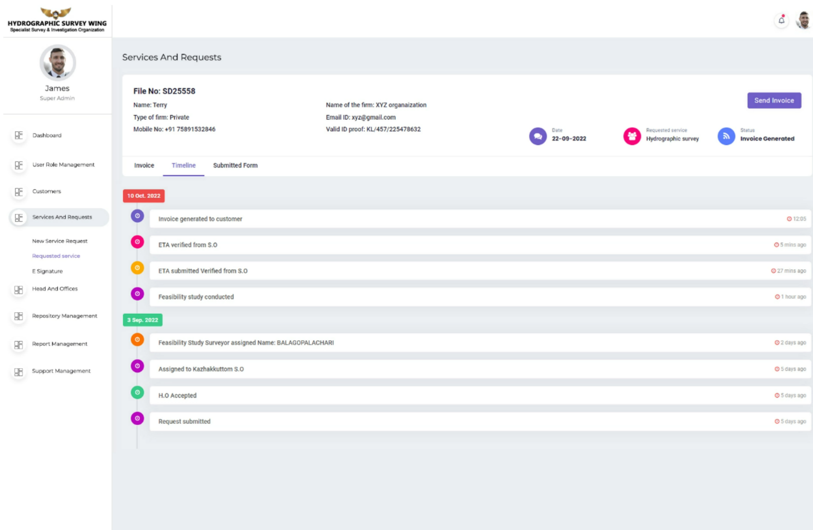
Service individual details page attributes

S.No	Attribute	Description
	Basic details	Customer basic details (registered time data) will display
	Selected service quick view [list]	Date , requested service name , status willdisplay in
	Actionable area	Invoice , submitted reports will display here,
	Send invoice to customer registered mail id	Send button (actionable button)

	Timeline	Button linked with time line of this service
	Submitted form	Button linked to submitted form for this service

4.2.28 Service Individual Details Page - TimeLine

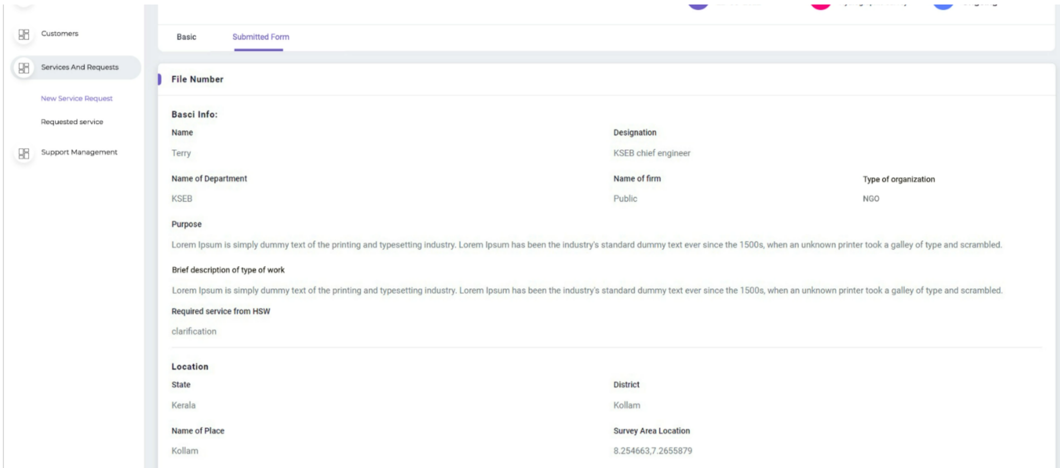
Timeline page will display the entire activity happening in a particular service. Once a service is accepted it will be captured until the service is completed. Super Admin can easily become informative about that particular service by looking into the timeline.



S.No	Attribute	Description
	Selected service quick view [list]	Date , requested service name , status will display
	Time log	Record / history of each activity done in this service

4.2.29 Service Individual Details Page - Submitted Form

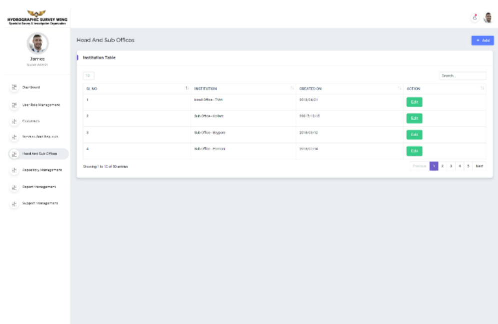
Users can see the customer submitted form by clicking the submitted form tab . For each service, the customer needs to submit a form.once the form is submitted will be displayed and can be referred anytime.



S.No	Attribute	Description
	Submitted form report	Customer submitted form for this service will be displayed
	File / document	Customer submitted file /docs also will display

4.2.30 Sub Office List Page

Users can view and manage the sub office. Users can add a new sub office by clicking the add new button. Users can get into the details page once the user clicks on the name of the sub office.

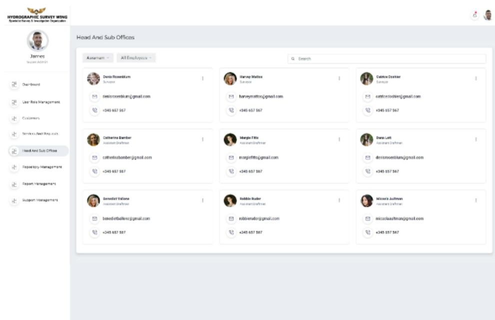


Sub office list page attributes

S.No	Attribute	Description
	institution	Display name of each institutions added
	Created on	Display Date of the institution created
	actions	Edit button to access the edit page of the institution
	Hyperlink in the name	Will land the user to its details page
	Add new	Button to add new institution

4.2.31 Sub Office Individual Details Page

Users can view and access the sub office page. Once the user clicks a particular sub office from the table, the system will display the users mapped under the particular sub office. Marine office, surveyor, assistant surveyors will be displayed. This will be the settings used in transferring the report and documents inside the system

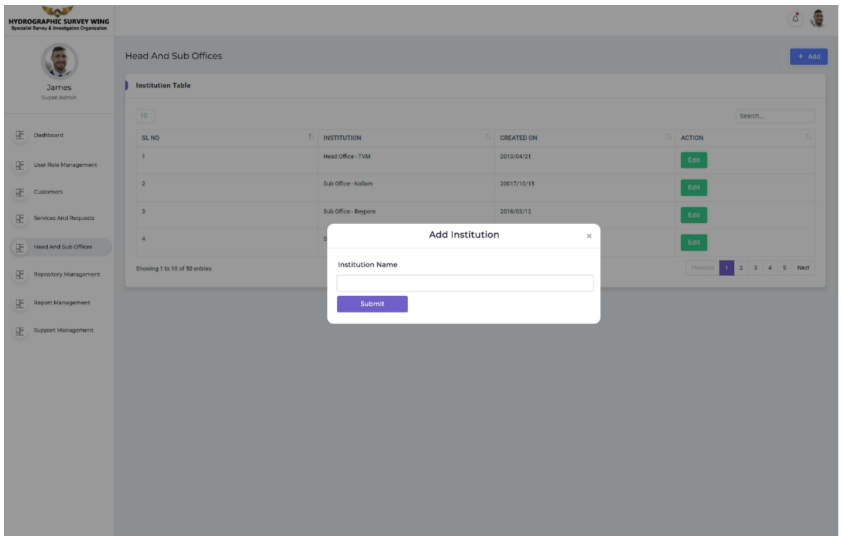


Sub office individual details page

S.No	Attribute	Description
	Name	Name of the sub office will display
	Basic details space	Basic details of the sub office will display
	Administrative details	Details of surveyors and assistant surveyors will display.

4.2.32 Sub Office - Add new

Users can add a new sub office by clicking the add new button. System will land the user to pop up where the user can add the name of the sub office . once the user clicks the save button will create the sub office and will be displayed in the table. Users can be mapped to the sub office from the users module. If a user is mapped to the sub office will be displayed inside the sub office details page.

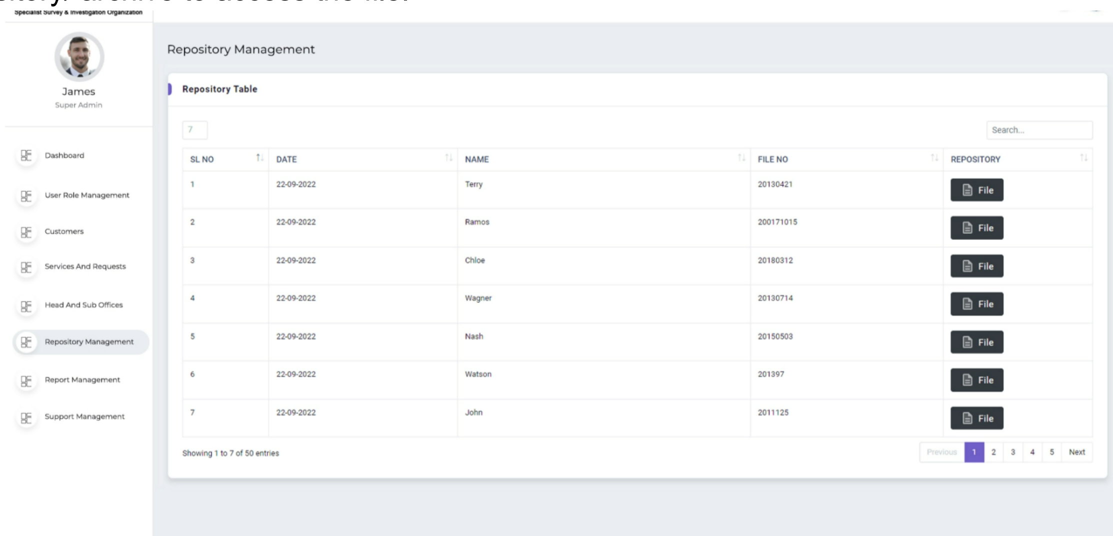


Add new sub office page attributes

S.No	Attribute	Description
	Name	Text field to enter the creating sub office name
	save	Button to add the sub office in the system .

4.2.33 Repository Management

Super Admin can access the file repository where all the e signatures given will be stored. Chief hydrographer, deputy hydrographer, and cartographer are only allowed to access the repository.once the service request for chart or previous data received , user can access the repository/ archive to access the file.

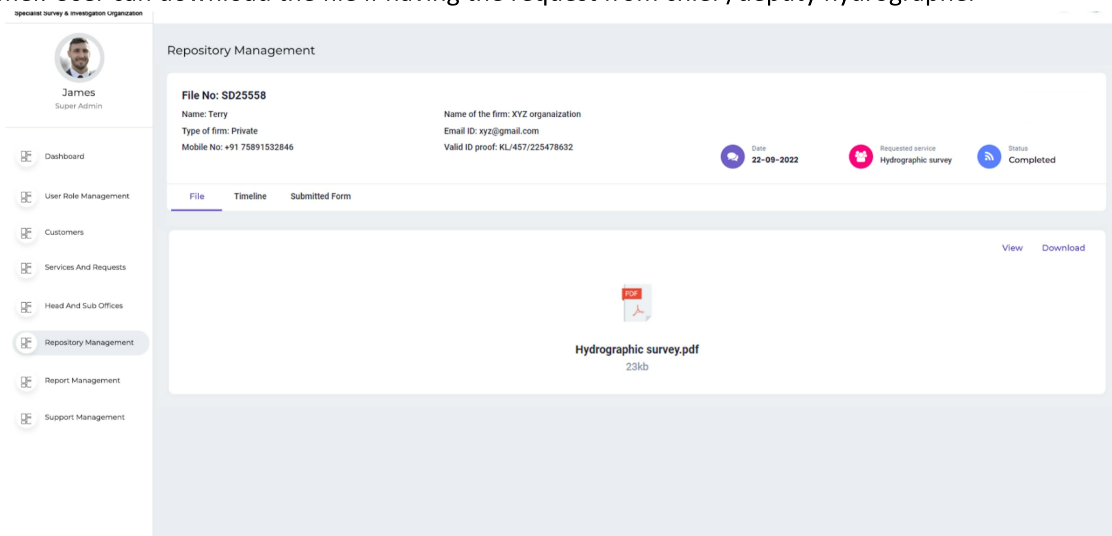


Repository management list attributes

S.No	Attribute	Description
	date	Date of the file is added to the repository
	First name	First name of the customer
	Last name	Last name of the customer
	File number	File number of the service request
	Repository [actionable area]	Final draft report file /PDF.

4.2.34 Repository Management Individual Details Page

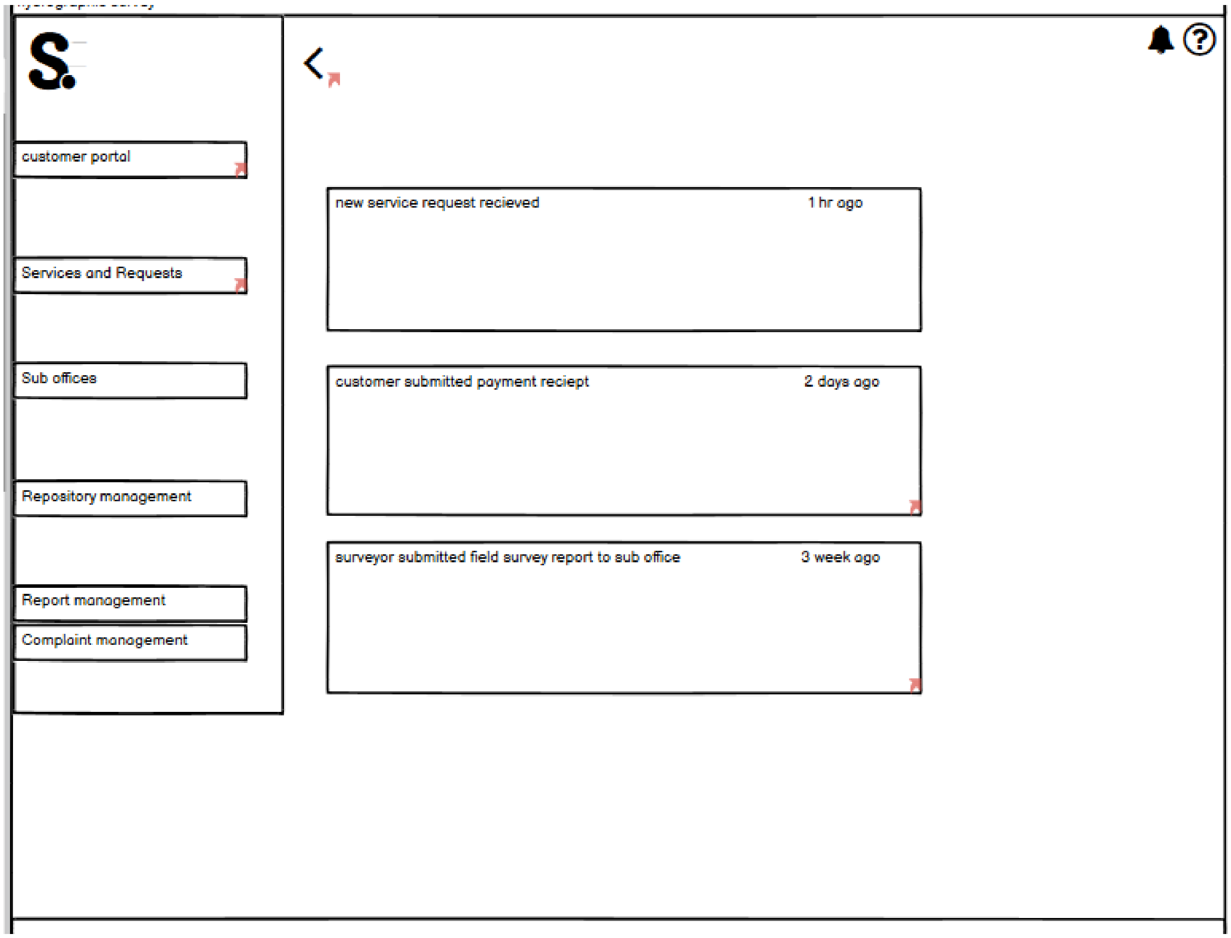
Once the user selects a particular customer repository will display the signature file of that particular customer. User can download the file if having the request from chief /deputy hydrographer



Repository Individual details page attributes

S.No	Attribute	Description
	Basic details	Customer registration details will display
	List	Selected service name date and status will display
	File / document	Final draft in repository will display
	save	Button to go back to the repository list.
	Timeline	Time log page (mentioned in service individual details page)
	Submitted form	Customer submitted form (mentioned in service individual details page)

4.2.35 Notification Page



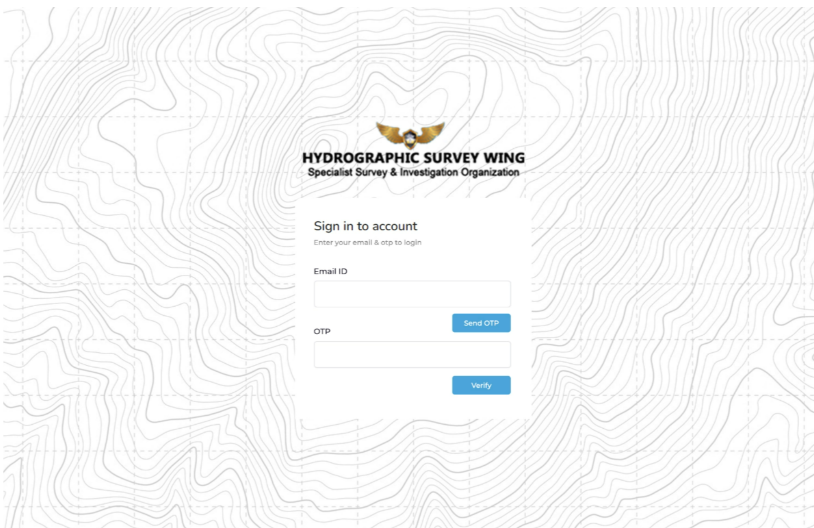
Notification page list attributes

S.No	Attribute	Description
	List	Tile view display of received notification
	text	Latest activity done will be displayed (in words)
	time	Time of the notification received will display

5 Admin Panel

5.1 Admin Login

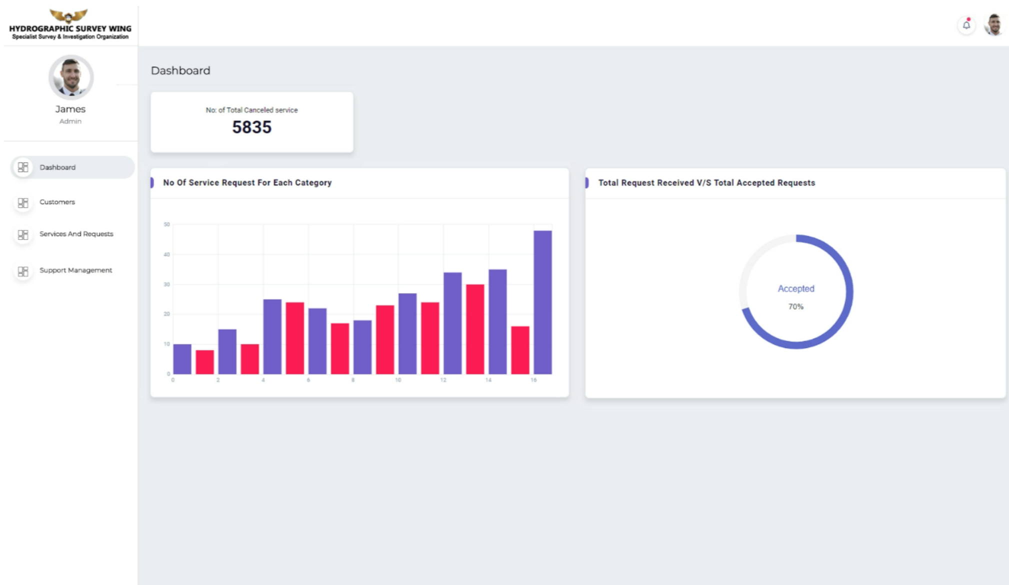
Admin is hierarchically positioned after super admin, admin also has the web module . Permissions can be varied provided by super admin.Admin can login to the system by entering the Email id. Once the user enters the mail id , the system will send an OTP to the mail id . Users need to enter the OTP to successfully login to the system.



Login page attributes

S.No	Attribute	Description
	Unique id	Field to enter username
	password	Field to enter password
	login	Button to validate and access homepage

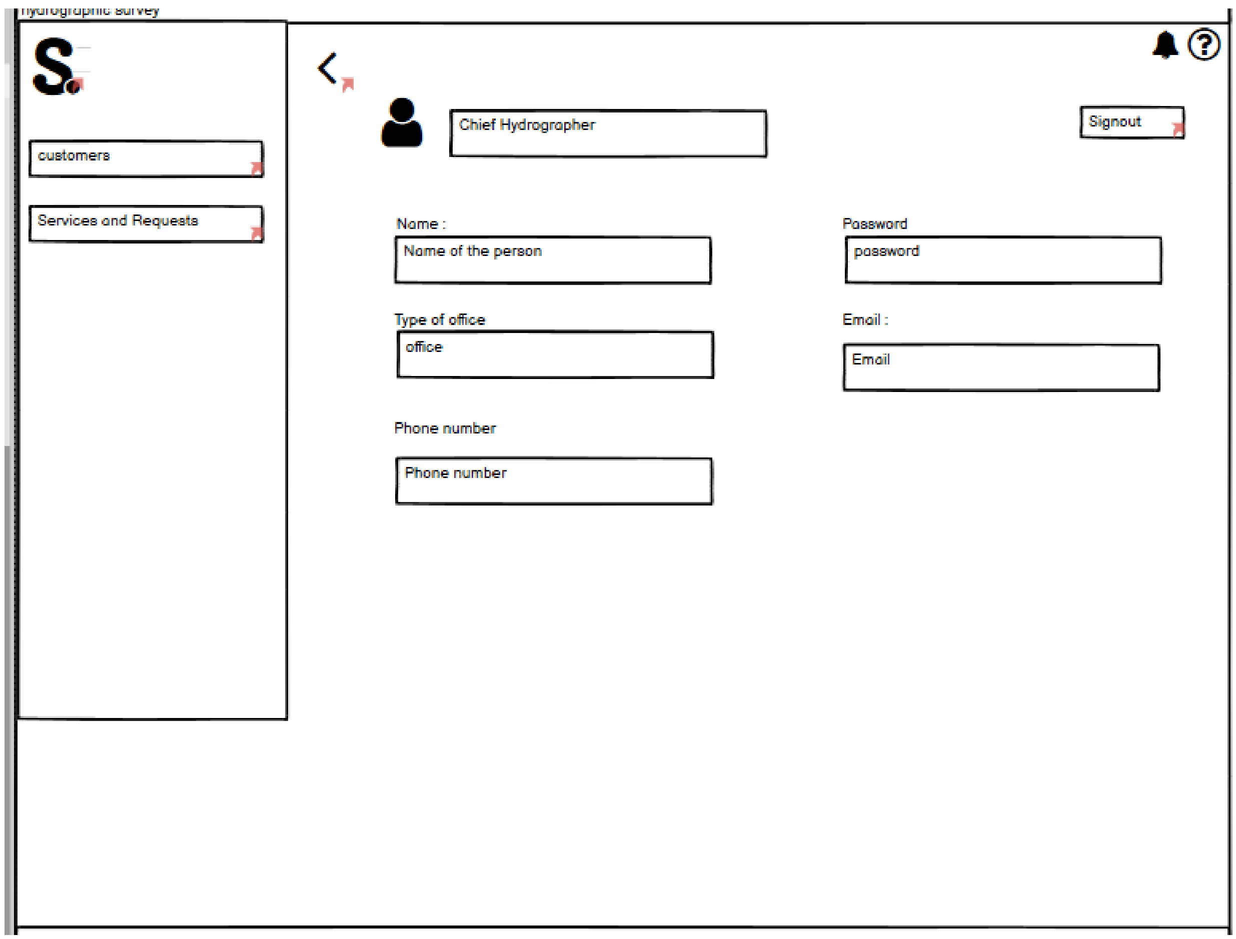
5.2 Homepage - Dashboard



Dashboard page attributes

S.No	Attribute	Description
	graphs	Graphical representation of data
	customers	Button to access the customer module page
	Service and requests	Button to access the module page

5.3 Profile Page



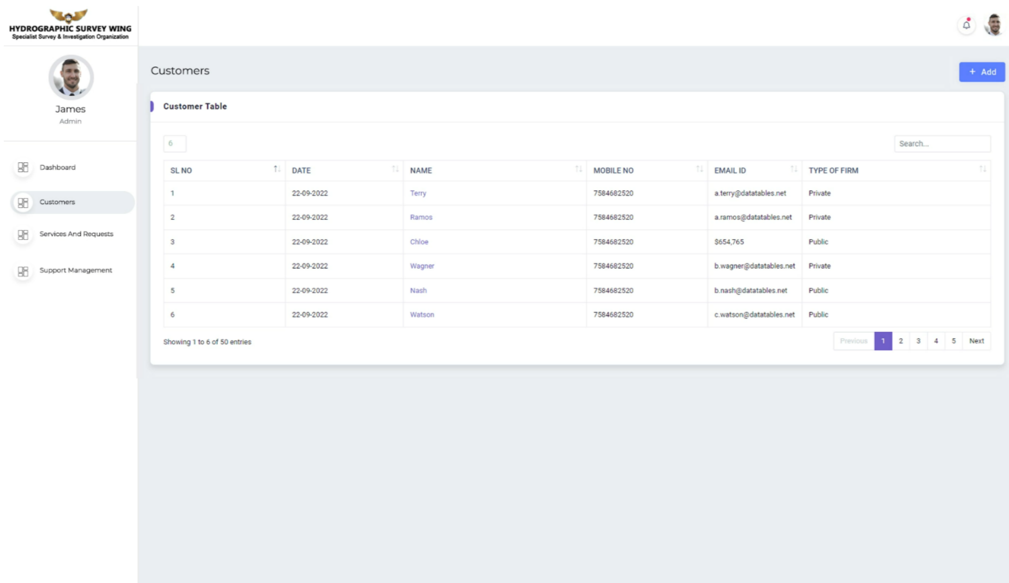
Profile page attributes

n Profile Attributes

S.No	Attribute	Description
	ROLE of the person	Display the role of the person
	Name	Display the Name of user
	OFFICE	Display the type of the office from the list
	Email ID	Display the email ID of the user
	Phone No.	display the phone number of the user
	Password	password

5.4 Customer Page

Users can view and add customers, admin has the privilege to view all the existing customers, admin can add new customers by clicking the Add button, and will direct the user to customer registration page. If the customer is in person present in the office can register via admin



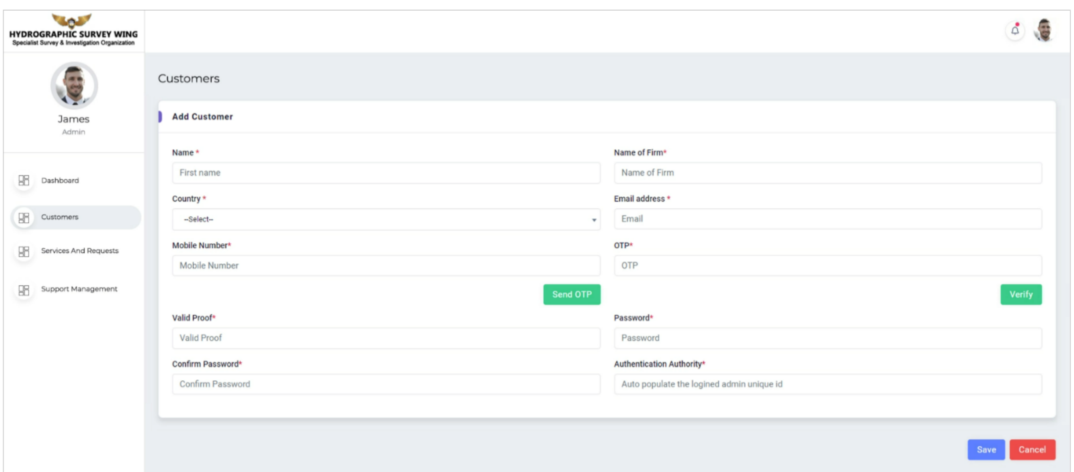
Customer page attributes

S.No	Attribute	Description
	Add New	Click to add a new customer
	List Table	Display the list of customers Columns: date, Customer Name,last name, mobile number, email id, type of firm
	Filter	Filter the list based on the selected filter

5.5 Add New customer page

Admin can add new customers from their login. If the customer is present in head office admin can himself add the customer (register).User can add new customer from the admin panel. If the customer is in person present, User can add the customer from this panel..

2. Add customer page details are following
   a. first name – text field user need to enter customers first name
   b. last name – text field user need to enter customers last name
   c. name of the firm – text field user need to enter customers name of firm
   d. type of the firm –select from option field that user need to enter customers type of firm
   e. email id – text field users need to enter customers' email id.
   f. mobile number – text field users need to enter customers mobile numberOnce the user entered the mobile number system will ask to send OTP to the entered number. Once the user clicks on the button, OTP will be send to the number
   g. OTP – text field users need to enter customers who have received OTP. Once the user entered the OTP correctly, the user needs to click the validate button to verify the entered OTP is valid.
   h. valid proof -– text field users need to enter customers with any legal valid proof.
   i. password – text field users need to enter a customer created password for their account.
   j. confirm password – text field users need to re -enter the password that customer gave.
   k. authentication authority – this field will be automatically populated with the name of the -person logged currently in the system.
   l. submit application – button will allow the user to create the customer account.



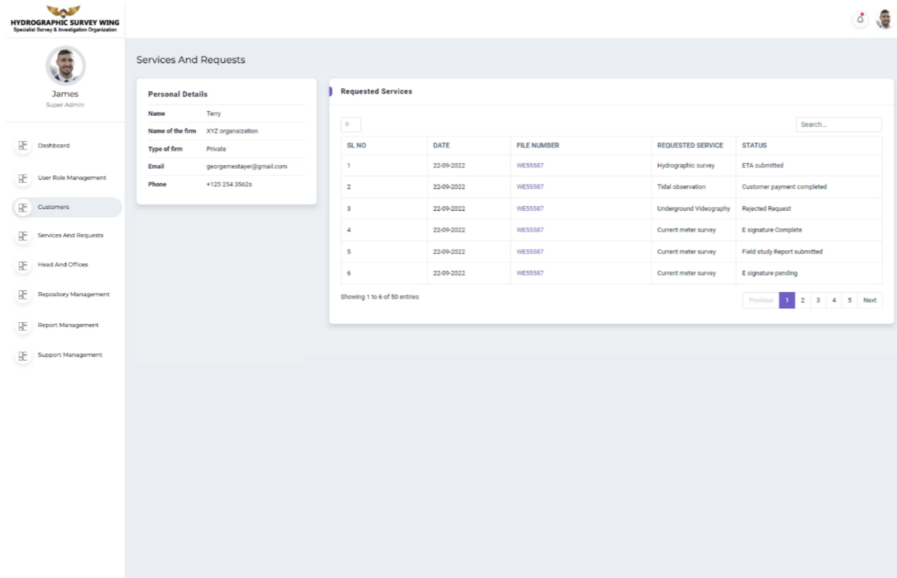
Registration page attributes

S.No	Attribute	Description
	First name	Field to enter name
	Last name	Field to enter name

S.No	Attribute	Description
	First name	Field to enter name
	Name of the firm	Filed to enter the firm name
	Type of the firm	Select from the list PUBLIC or PRIVATE
	Email id	Field to enter email id
	Mobile number	Field to enter mobile number
	OTP	Field to enter the OTP number
	Valid proof	Enter the valid proof
	password	Field to enter / create password
	Confirm password	Re-entered the password entered above. Should be match
	Authentication authority	Auto populate the logged in persons name or id number

5.5.1 Customer Details Page

Users can view the customer details page once they select a particular customer. Customers' basic details and their ongoing requests will be displayed. Users can track their ongoing service by clicking the file number of the particular service.

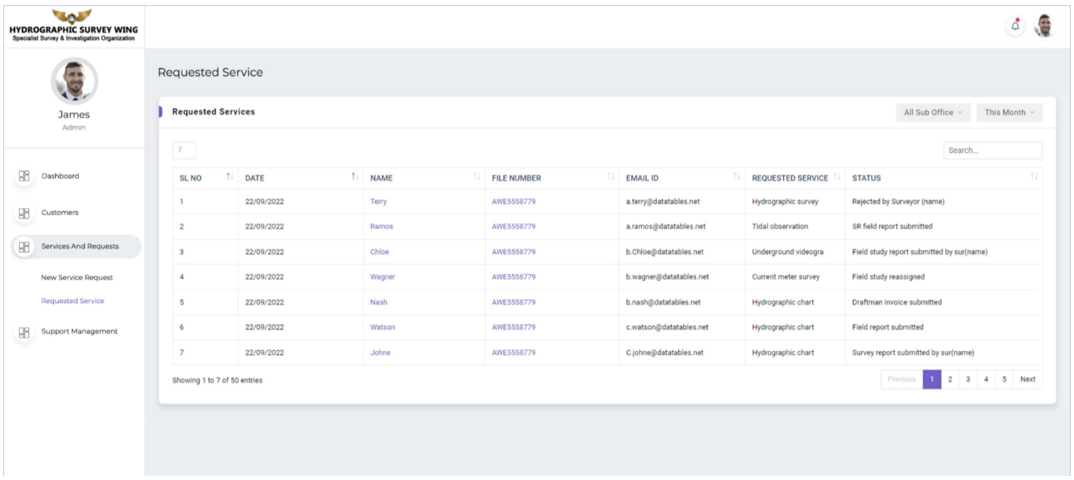


Customer individual basic information page attributes

S.No	Attribute	Description
	Basic details	Displays customer registration details
	List Table	Display the list of customers requested services Columns: date, Customer Name,last name, mobile number, email id, type of firm
	timeline	Button to access the customers timeline page

5.5.2 Service and request page.

Users can access and manage the service request page. All the requests under the particular sub office (kollam/beypore) under this admin will be displayed. All the services assigned through this admin will be displayed. Users can track all the ongoing services and services that need their actions currently will be displayed on top. Users can filter by status.

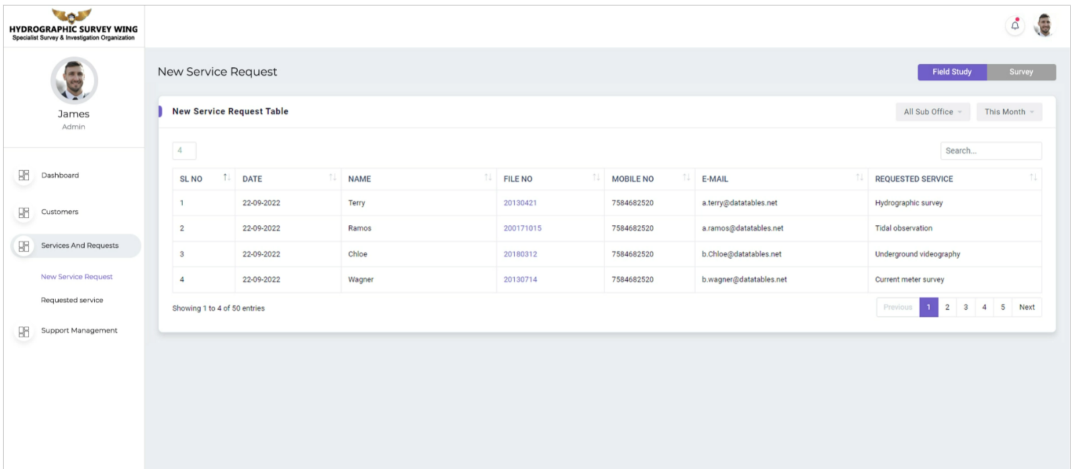


Service list page attributes

S.No	Attribute	Description
	date	Date of the requests accepted
	name	Name of the accepted customer
	File number	File number of the service request to track
	email	Customer email id
	Requested service	Name of the progressing requested services
	status	Current status of the progressing services
	filter	Filtering list based on month, sub office
	Search bar	Search bar to search service
	New service requests	Click to open the new service requests
	Re assignments list page	Button to open the re assignment pages.

5.5.3 New assigned service page

New assigned services will be displayed in a page that users can access and manage. Both field study and survey study assignment will be assigned from the chief hydrographer. Users can view the individual details of the assignment and the user needs to assign a surveyor for each assignment. File number is the user triggerable area that user can access

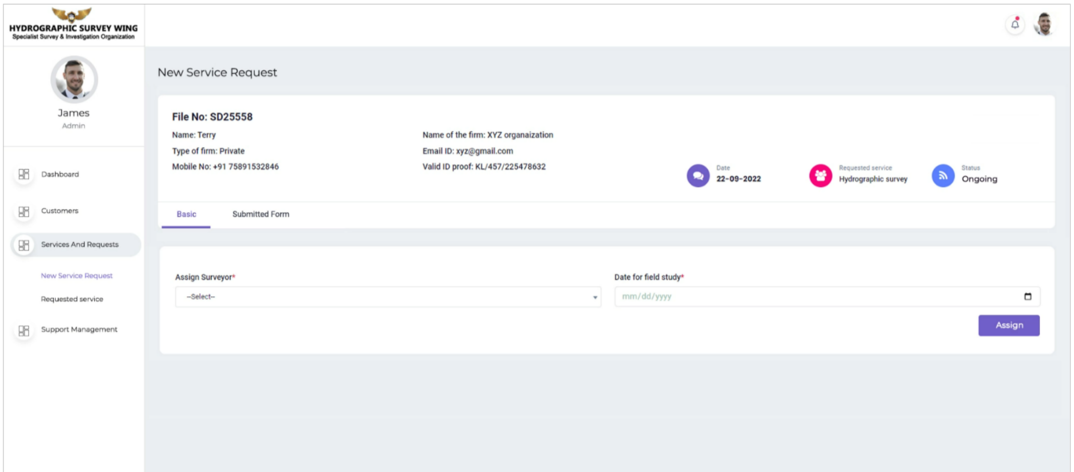


New assigned service page attributes

S.No	Attribute	Description
	Assigned services table view	Display the service details of each customer
	Field study	Button to access the assigned field study assignment
	Survey study	Button to access the assigned survey study assignment

5.5.4 Assigning field study to surveyor

Once the user is assigned with an assignment, the user needs to assign a surveyor to conduct the study. Users can select a date and send a surveyor the assignment request. Surveyor can accept or reject the request , once the surveyor rejects the request, the user will be notified with remarks and the user needs to assign another surveyor for he study.

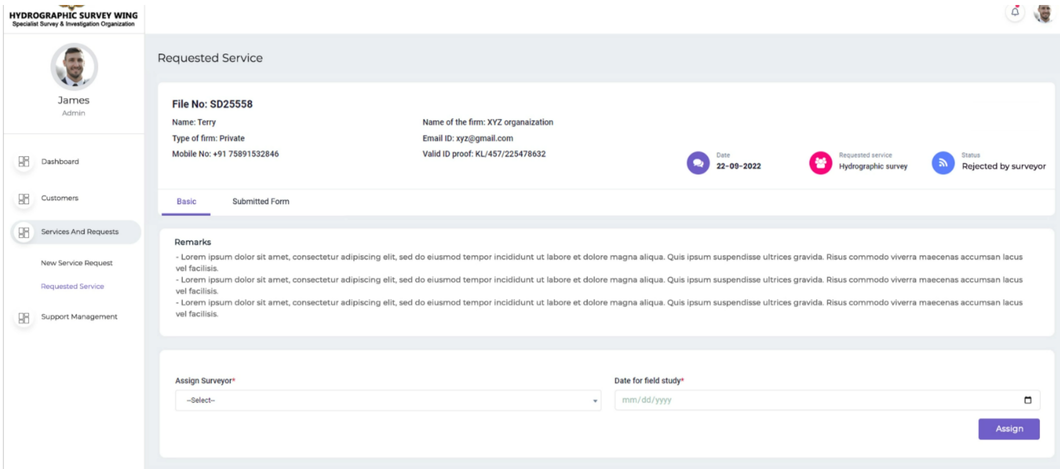


Assigning field study page attributes

S.No	Attribute	Description
	Assign surveyor	Option to select surveyor from list
	Date of field study	Option to select the date which the surveyor needs to conduct field study
	Assign	Button to assignment to the selected surveyor

5.5.5 Surveyor rejected the request - Assigning new surveyor page

Once the surveyor rejects the request, the user will be notified with remarks (as reason) for rejecting the request , from the same page itself user can send assignment to another surveyor. Users can select another surveyor from the same page.

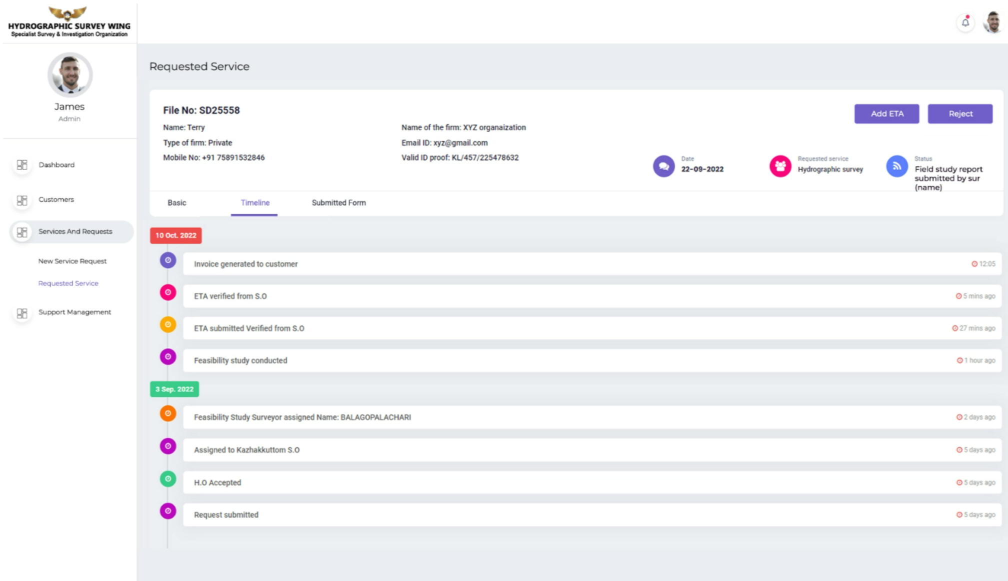


Surveyor rejected page attributes

S.No	Attribute	Description
	remarks	Display the surveyor added remarks
	Assign surveyor	Option to select surveyor from list
	Date of field study	Option to select the date which the surveyor needs to conduct field study
	Assign	Button to assignment to the selected surveyor

5.5.6 Customer Individual Details Timeline Page

Timeline is the page where user can see the the all activities done in a particular customers service. All the activities under a particular customers ongoing service will captured and displayed inside timeline page.

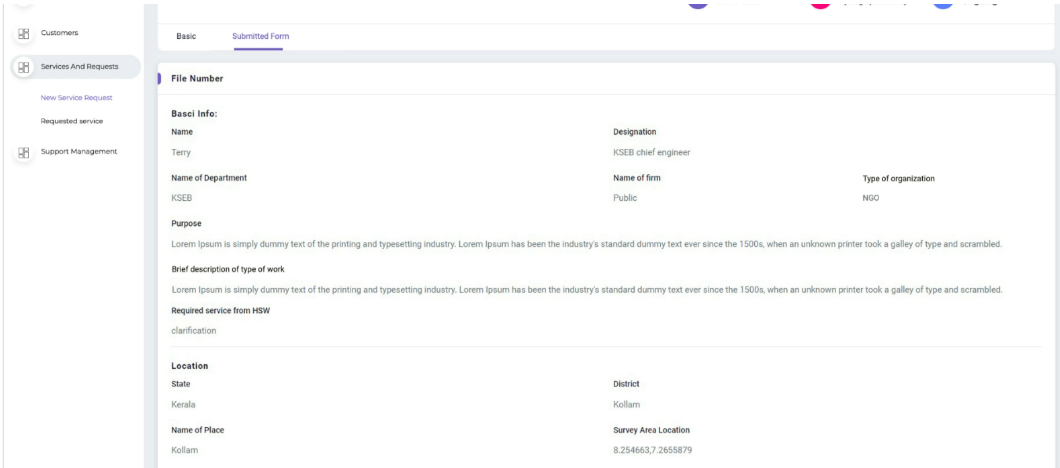


Customer individual timeline page attributes

S.No	Attribute	Description
	Basic details	Displays customers total service requests
	List Table	Display the list of customers requested services Columns: date, requested service, status
	timeline	displays the customers timeline page
	Basic information	Button to access the basic details page

5.5.7 Service - customer submitted Form Page Details

Customer submitted forms for a particular page will be accessible by the admin. If a user selects a particular customer and clicks on one of the ongoing services , the user can access the timeline and submit the form page. Submitted form page will display the customer submitted form and uploaded documents for this service. User only can read the form.

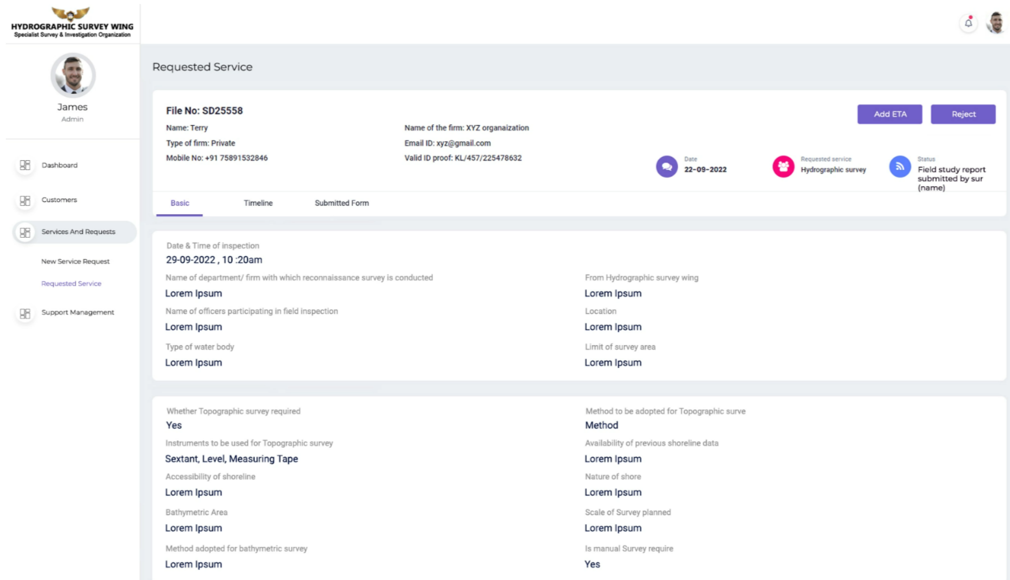


Form page attributes

S.No	Attribute	Description
	Report	Display the customer submitted report for this service
	file	Display the documents/ files uploaded by customers

5.5.8 Service - Surveyor Report Submitted Page Details

Surveyor will be mapped under a particular Admin, each surveyor submitted data will be received to the mapped admin. Once the surveyor submitted a field study report, the user will receive the report . users need to verify the report. If the report is not proper, users can re assign the same surveyor for re conducting the study. Once the user verifies the report, they need to add ETA along with the report . users need to click on the Add ETA button to avail the ETA page where they can value in the field. Once the user fills in the ETA can send it to the chief hydrographer (super admin) .

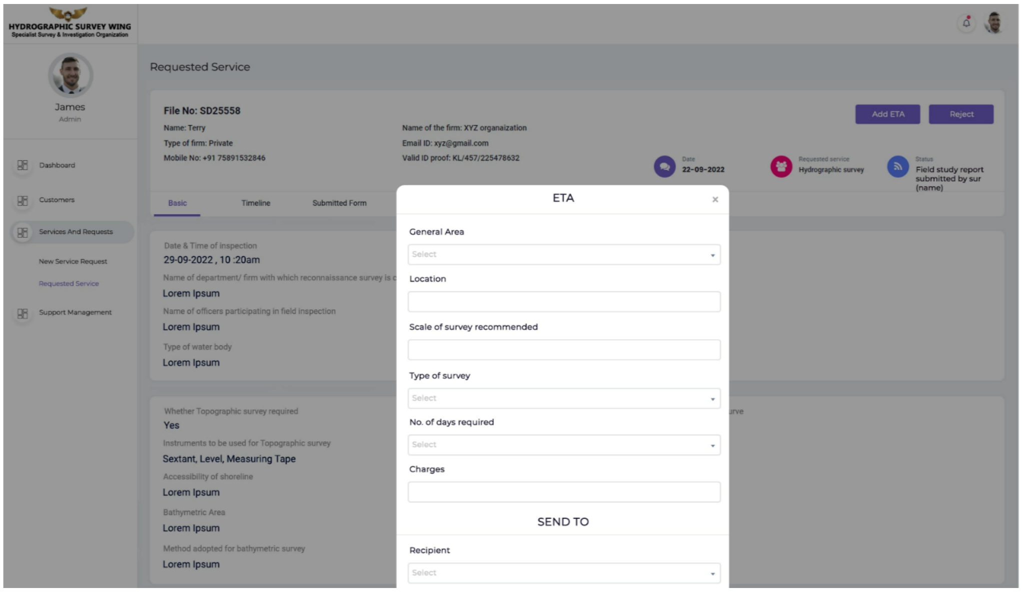


Service customer individual page surveyor report submitted page attributes

S.No	Attribute	Description
	Basic details	Displays customers basic details
	List []	Displays selected customer service Date, selected service, status
	Report	Displays the surveyor submitted report
	Accept and send SA notification	Button to accept the report and send notification to admin
	Reject with re assign	Button to reject the report

5.5.9 Add ETA page

The ETA button will land the user to this page where the ETA template will be visible and the user needs to fill the fields based on the report received. Each field is mandatory to fill. Once the user fills all the fields and clicks on the submit button the button will send the report to the hydrographer.

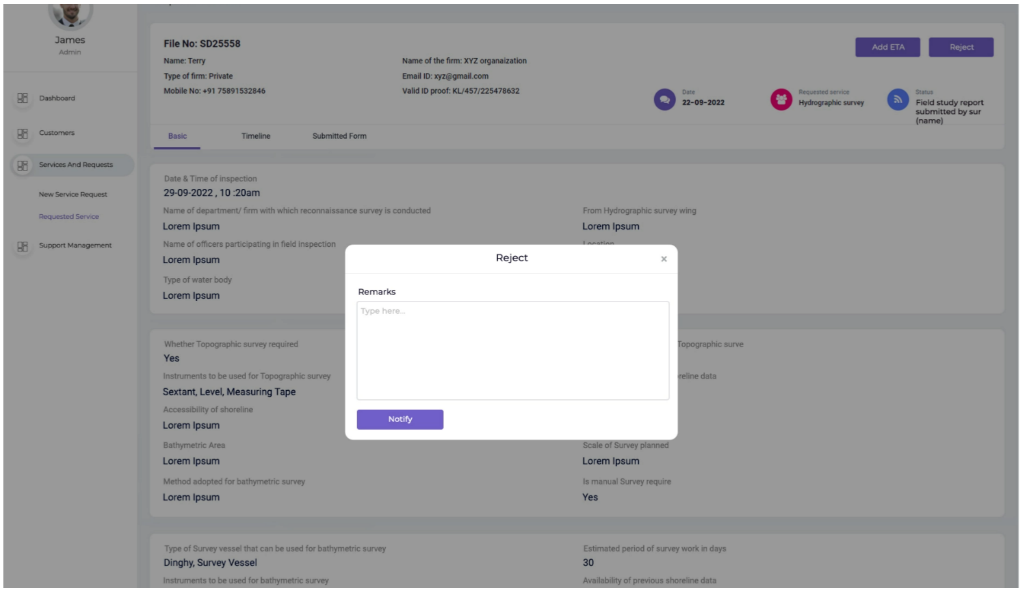


Accept and send notification confirmation page attributes

S.No	Attribute	Description
	Tex box	Confirmation message
	Go back to homepage	Button to go homepage

5.5.10 Field Report Reject Page Details

Users can reject the report received from the surveyor. Users can add remarks for rejecting the report. Users can remark and once the user clicks on the notify button will send the reassignment to the surveyor.

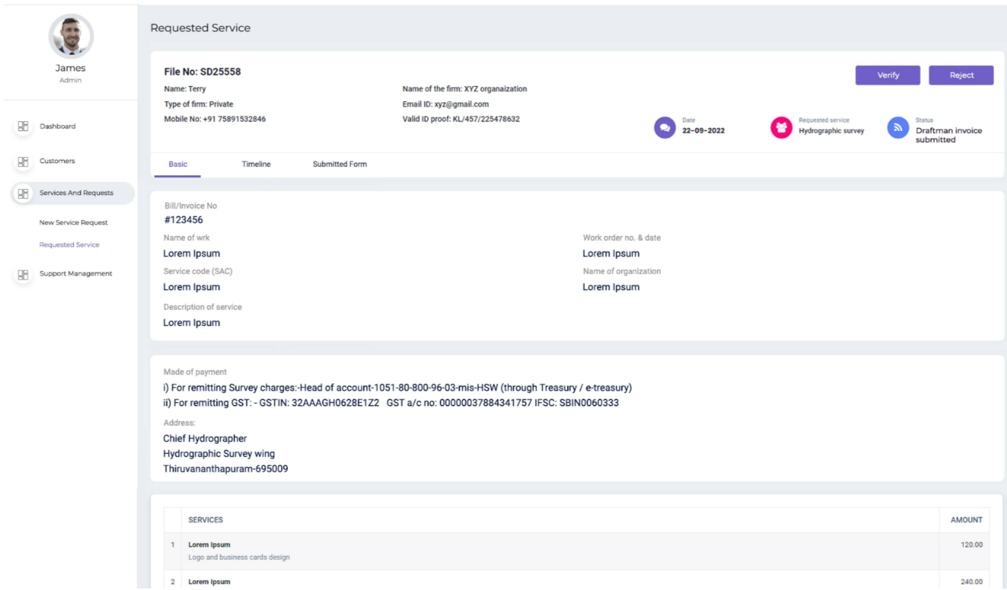


Field report reject page attributes

S.No	Attribute	Description
	Basic details	Displays the Customer file number, first name, last name, requested service name, report
	remarks	Text field to enter the remarks , entered remarks will be send along
	Notify surveyor	Button to send the remarks to surveyor

5.5.11 Service - Surveyor invoice verified Page Details

Once the draftsman or field assistant mapped under this admin created an invoice and submitted it will be displayed, users need to verify the invoice and can reject it for the appropriate reason. If the invoice seems accurate, the user can click the verify button to notify the chief hydrographer that this invoice is verified .

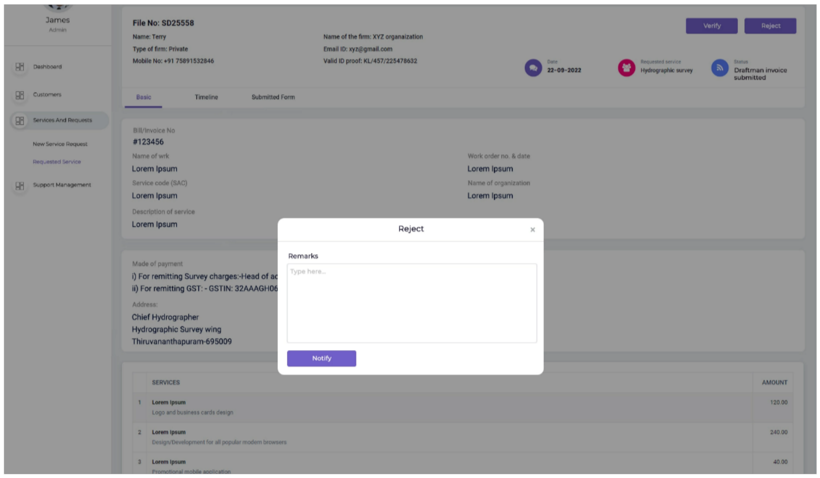


Service - ETA generating page attributes

S.No	Attribute	Description
	Basic details	Displays customers total service requests
	List Table	Display the list of customers requested services Columns: date, requested service, status
	timeline	displays the customers timeline page
	form	Button to access the customer submitted form for this service
	ETA	Not clarified
	Generate invoice	Not clarified , need to develop

5.5.12 Service - Surveyor invoice reject page details

Once the user clicks the reject button it will land on the remarks page. Users need to text the reason for rejecting the invoice. Once the user adds the remarks , user can click the notify button to notify the draftsman/ field assistant (who prepares the invoice).

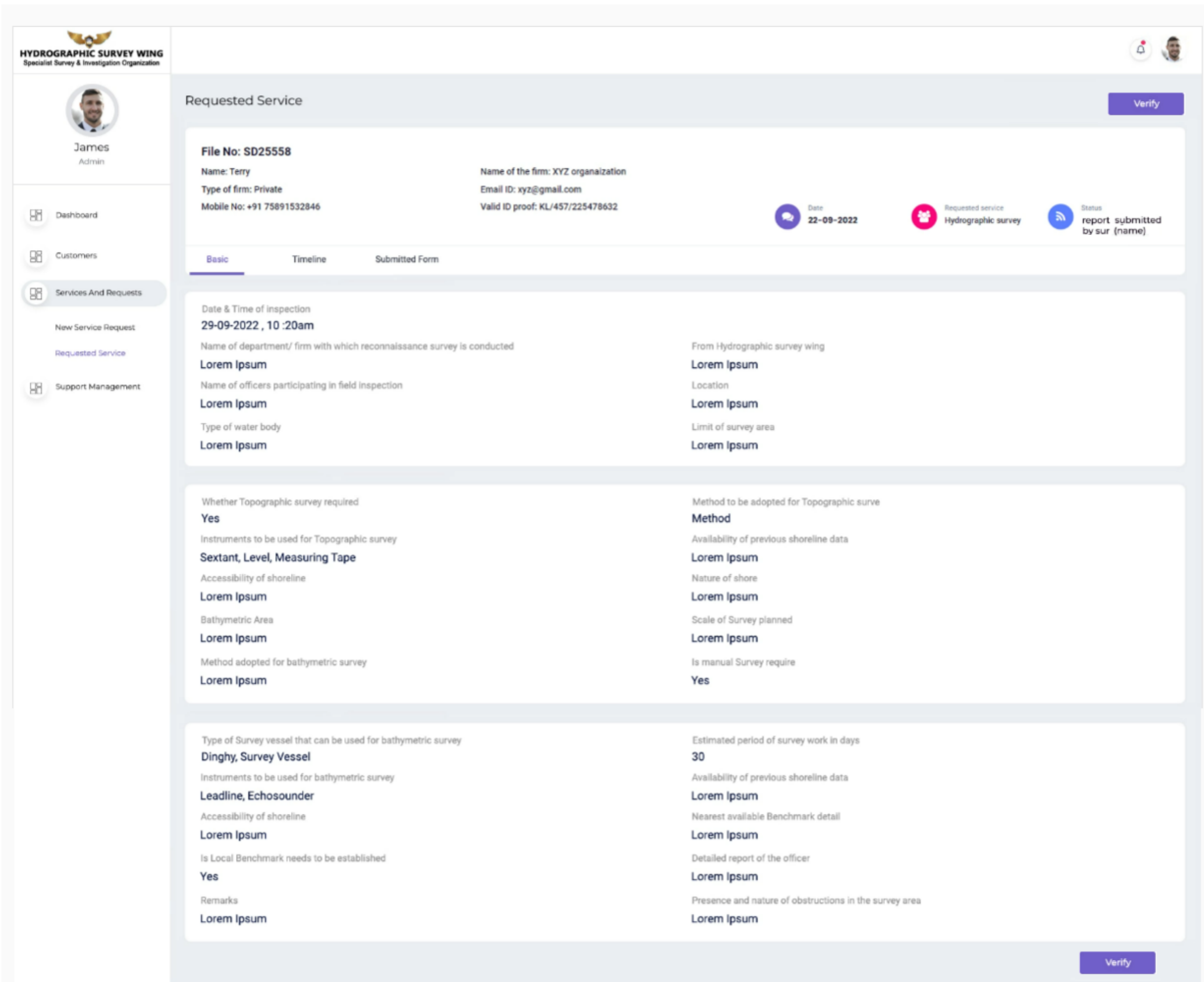


Rejecting invoice attributes

S.No	Attribute	Description
	remarks	Text field to enter the remarks , entered remarks will be send along
	Notify	Button to notify the surveyor, draftsman and field assistant

5.5.13 Service - Survey report received

Users will receive the survey study report like a field study report from the surveyor. Users can verify the report and can mark the report as verified to acknowledge the chief hydrographer. Once the user arked the report as verified, chif hyfrogrpaher will be notified and will be forward to next process (e signature).4



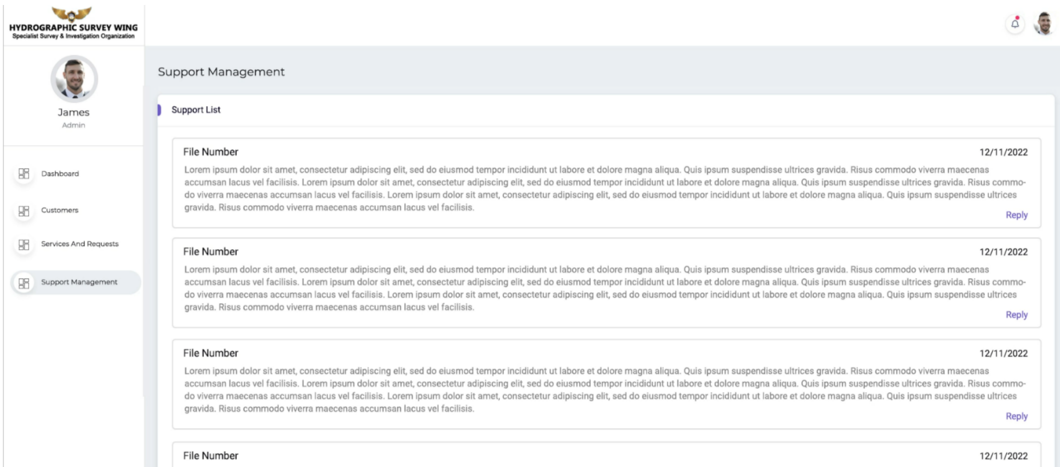
Page attributes

S.No	Attribute	Description
	Survey report	Survey report submitted by survey will display
	Verify	Button to notify the chief that the admin verified the report.
	Send	Button to send the report to the CH (super admin). In the second th phase , once the assistant cartographer

		(admin) verifies the survey report , it will be sent to DH for verification.

5.5.14 Support management page

Users will receive the customer raised queries. Support management page will allow the user to manage the user raised queries. User will receive the queries and the user can give the replay accordingly. Users need to select the individual queries and can view the detailed information about the query.

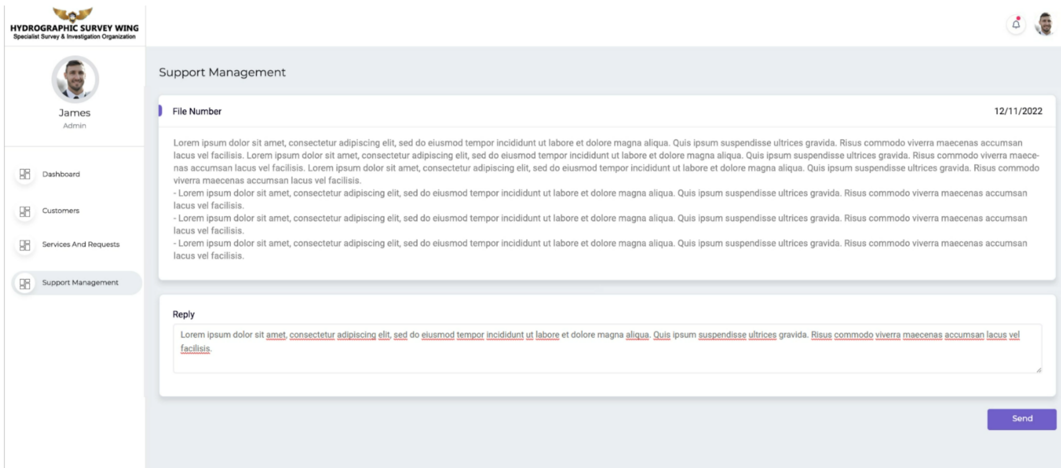


Support management page attributes

S.No	Attribute	Description
	Customer	Text received from customer will be displayed , user needs to select a particular query from the list to access the details page.

5.5.15 Support page individual page details

From this page users can give the replay for the customer query. Users can input their response in the replay text field. Once the user gives a proper explanation for the query, user can clicks on the send button to send the response to the respective customer.



Support page individual details page attributes

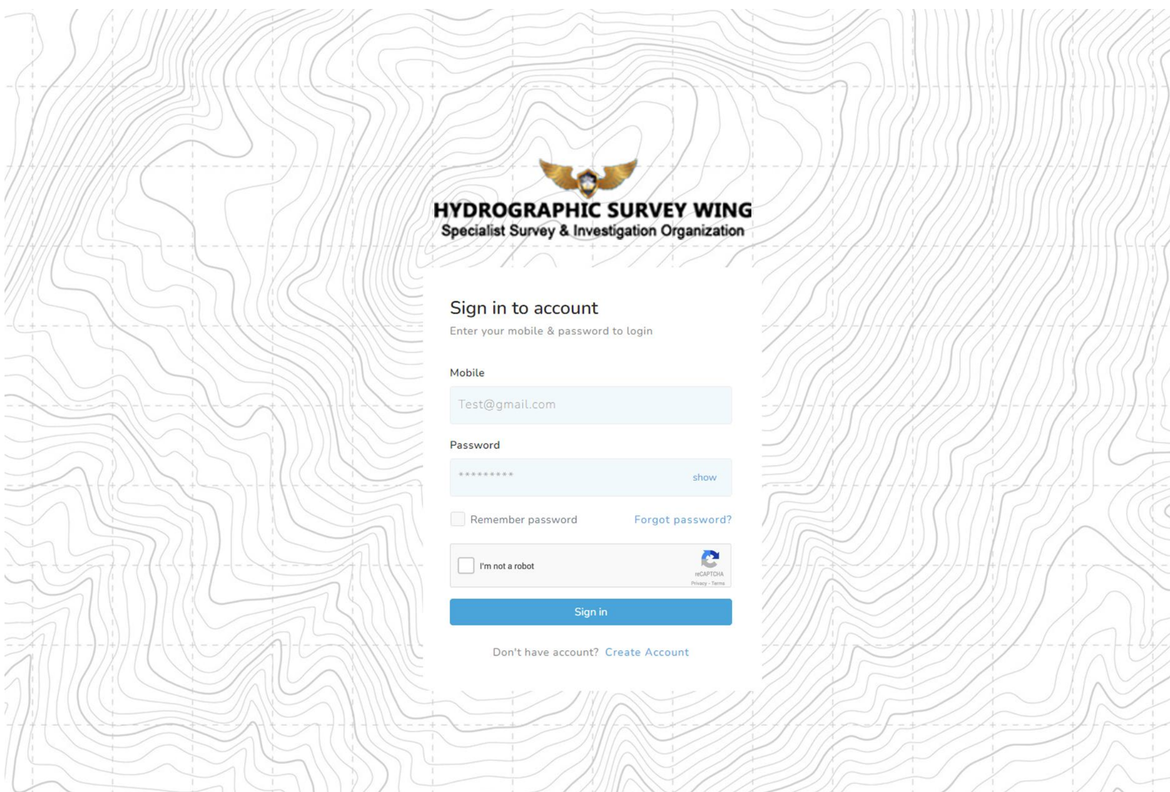
S.No	Attribute	Description
	Message box	Display the customer query text
	replay	Text field to add the admin side replay
	Send	Button to send the replay to the customer

5.5.16 Login

The users shall be able to login to the application from the Login page by entering their credentials. Users can login to their account using mobile number and OTP. If the user is using this for the first time , they need to first register with the system and can avail the functionality.

The following features are available in the Webpage

a. Email id - user need to enter email id.
b. Password- user can enter the created password . once the user the credential, system will check the user is existing, if yes it will login, if not system will display “New user register”



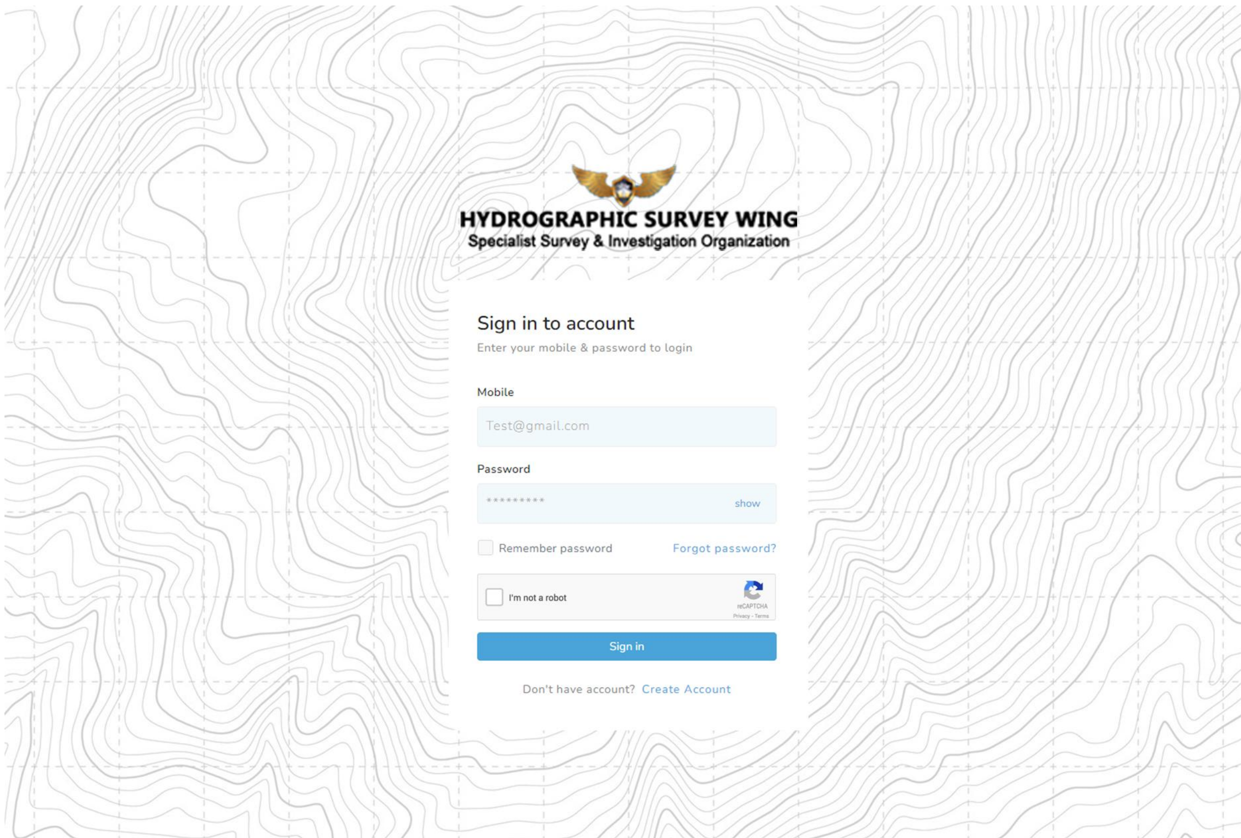
Login page attributes

S.No	Attribute	Description
	Email id	Field to enter EMAIL ID
	password	Field to enter password

	Recaptcha box	Human bot verification.
	Forgot Password	Link to create new password
	New user register	Button to register the user (if the user new to this)
	login	Button to enter to homepage (condition checks on mobile number and password)

5.5.17 Forgot password - create new password

User can reset the password if he/she forgets. By clicking the forgot password button from the login page will direct the user to forget password page where user can enter mobile number to receive OTP, Once the OTP is verified, user can create new password. Users need to enter the created password again to confirm. Once the user filled both fields and clicks on sign , the new password will be replace with old password and the user will directly logged into the system.



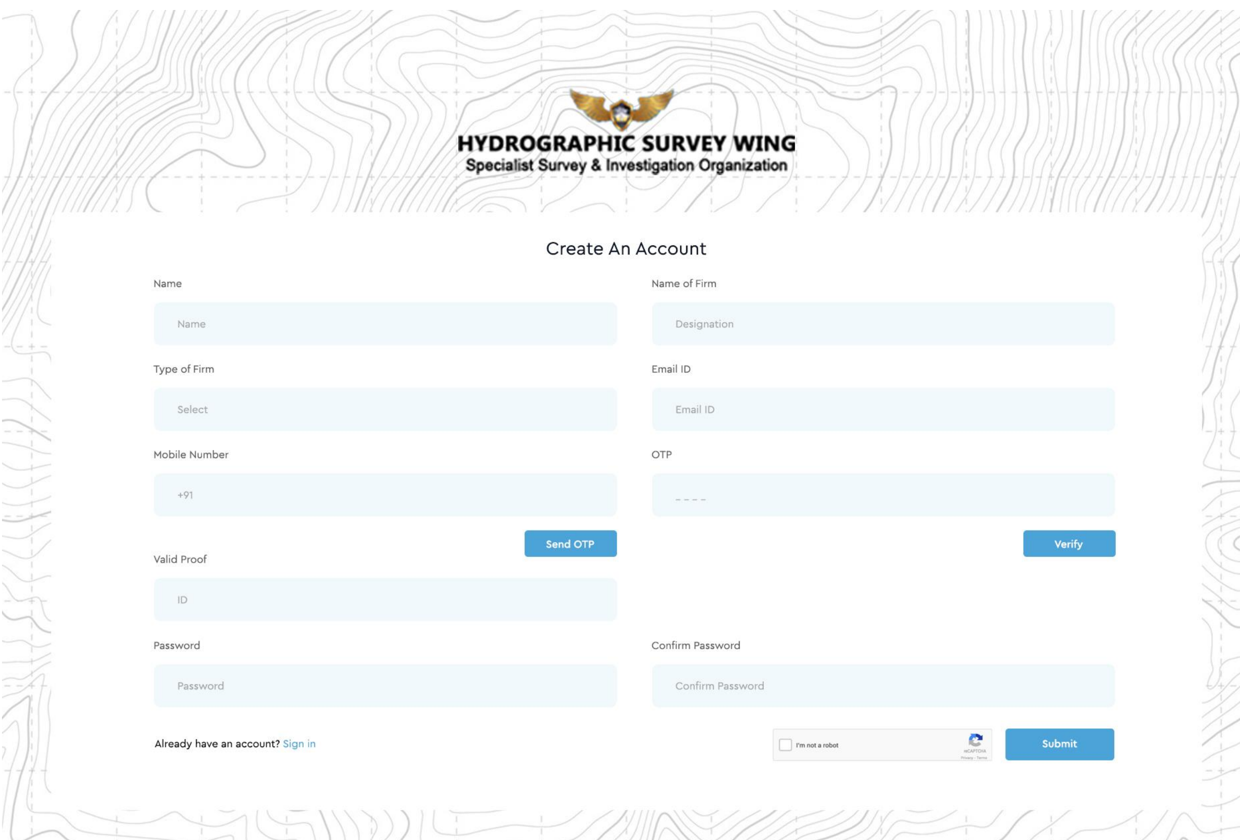
Create new password page attributes

S.No	Attribute	Description
	EMAIL ID	Field to enter Email id
	OTP	Field to enter otp
	Create New Password	Field to enter new password
	Confirm New Password	Field to re enter the new password
	Login	Button to save the change and log in to the system.

5.5.18 Registration

The user shall be able to register an account in survey with their business profile and create their account by filling the required details in register page

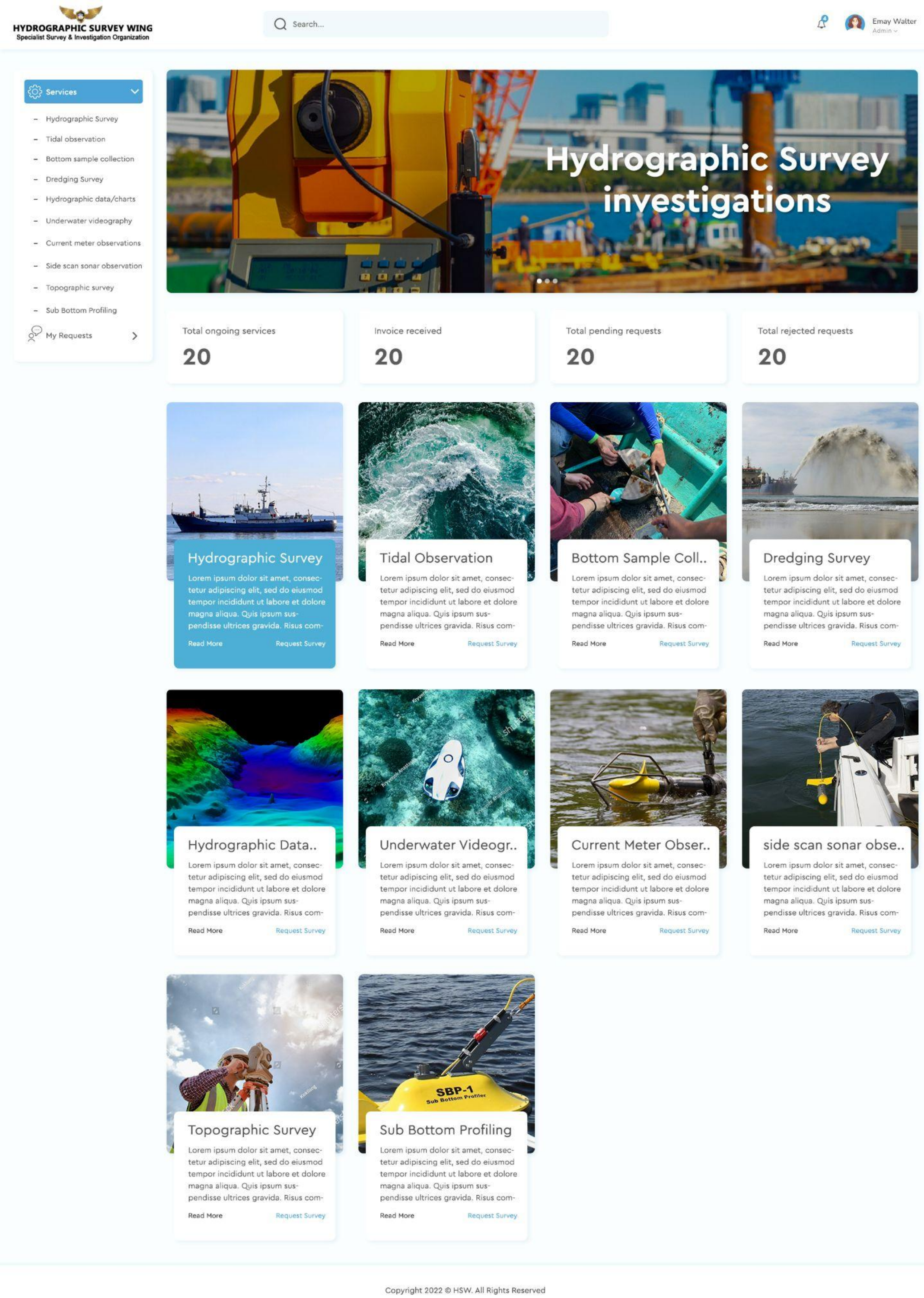
1. The user need to enter following details
    a. Name
    b. name of firm
    c. type of firm
    d. email id
    e. mobile number
    f. OTP
    g. valid proof
    h. password
    i. confirm password
2. recaptcha - user need to complete the captcha box



Registration page attributes

S.No	Attribute	Description
	First name	Field to enter first name
	Last name	Field to enter last name
	Name of firm	Field to enter name of firm working
	Type of firm	Select type of firm from options
	Email id	Filed to enter the email id
	Mobile number	Field to enter mobile number
	Valid id proof	Field to enter the valid legal proof
	password	Field to enter password
	Confirm password	Field to re enter password
	Recaptcha	Recaptcha box to verify human /bot.
	Register account	Button to create account , linked to confirmation page

5.5.19 Dashboard



The homepage shall be the landing page after the user has successfully logged into the application. Once the user successfully completes, the homepage will be displayed. Following details will be available from the homepage:

1. Contents
    a. Services - all the services availed by system will be displayed. Users can select which service they want to submit the request.
    b. My request - users can track their ongoing services from the my request page. All the services including the status will be displayed.
    c. Notification - number of received notifications will be displayed in the notification icon.
    d. Profile page - users can access their profile page from the homepage by clicking the profile page icon.
    e. Get help - support page will be displayed , user can access get support window from home page

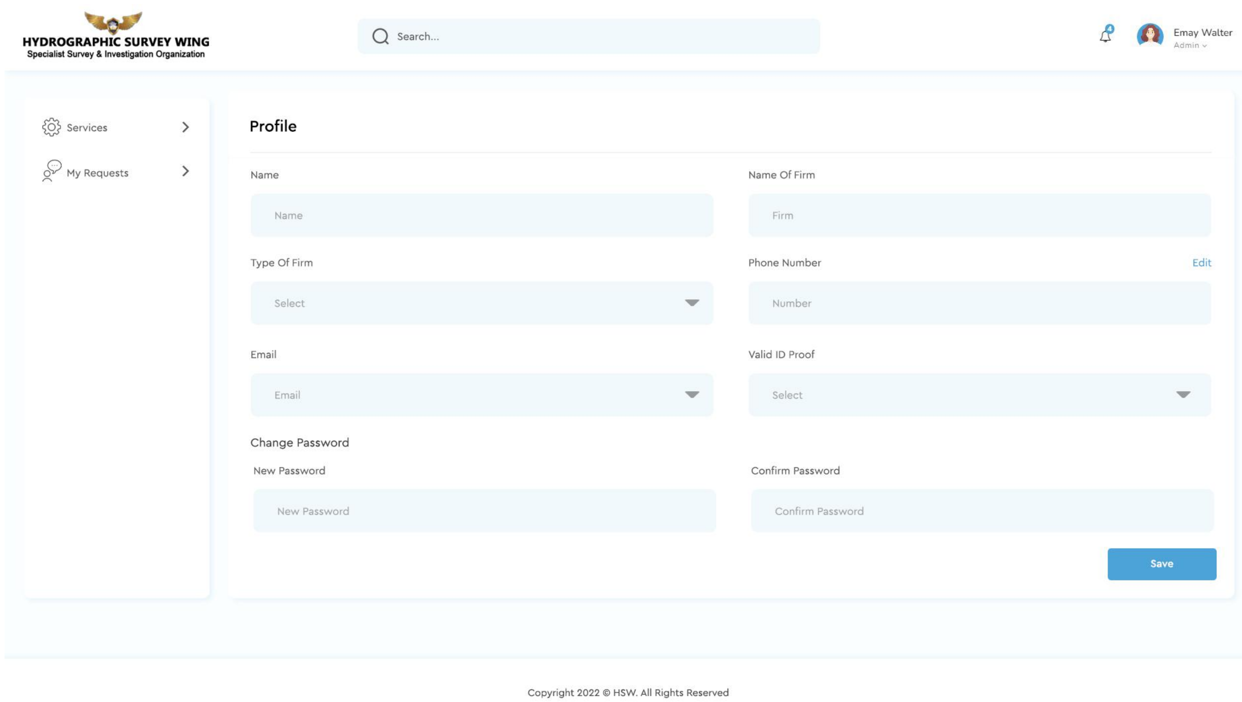
Dashboard page attributes

S.No	**Attribute**	**Description**
	services	All services will display in tiles
	My requests	Button to access ongoing services page
	profile	Button to access the profile page
	notification	Button to access the notification page
	Get help	Button to get support related service

5.5.20 Profile

The user can view their profile , user can view and manage their profile , edit their details. User can change their password from the profile page.

1. Profile page content
    a. Name - will display the customer name
    b. Name of firm - will display the customer name of firm
    c. Type of firm - will display the customer type of firm
    d. Phone number - will display the customer phone number
    e. Email - will display the customer email
    f. Valid id proof - will display the customer valid proof
    g. Change password - field to add new password
    h. Confirm password - re enter the confirm password to change the old password



Profile page attributes

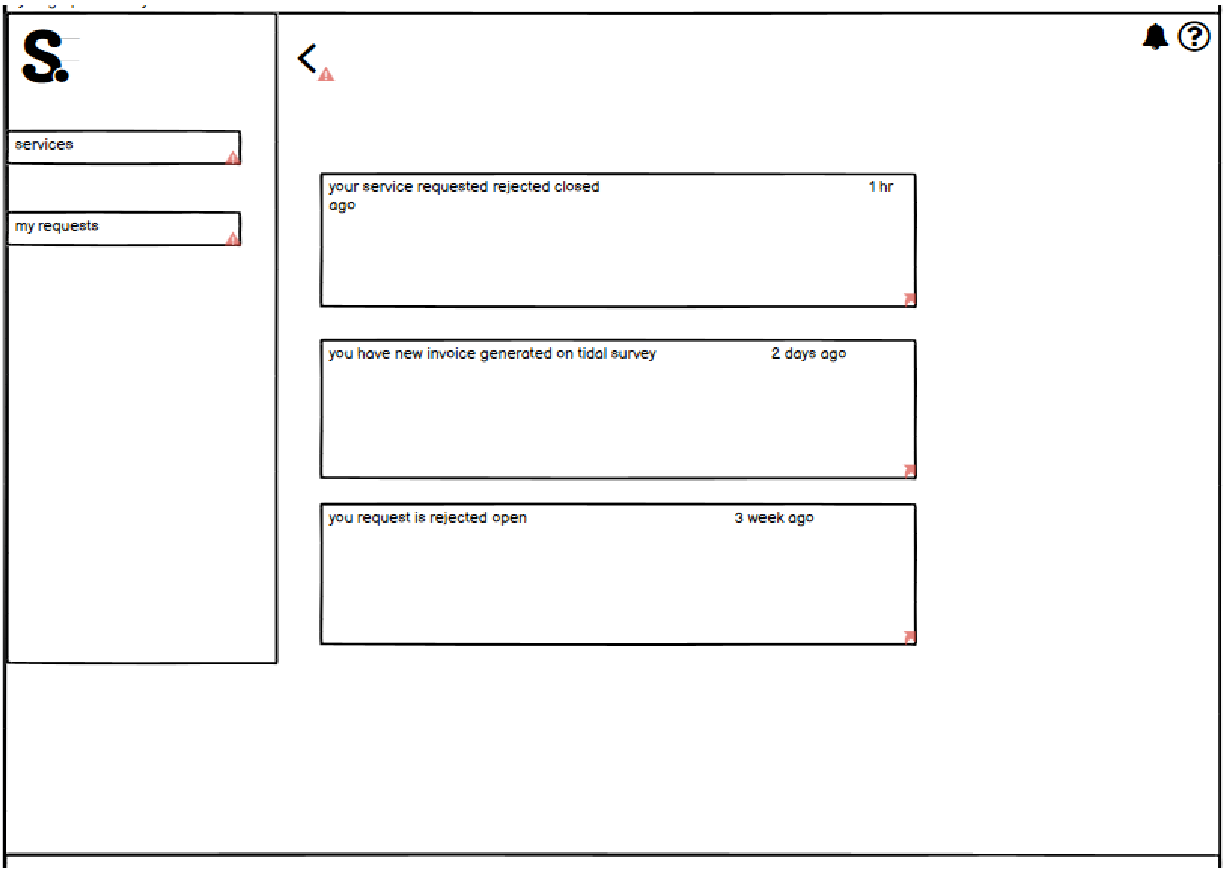
S.No	Attribute	Description
	First name	Display the first name
	Last name	Displays last name
	Name of the firm	Displays name of the firm

	Type of the firm	Displays type of the firm
	Valid id proof	Displays proof details
	Email	Displays email id
	password	Displays password
	services	Button to access the homepage service list
	My requests	Button to access the on going services

5.5.21 Notifications

The user can view and update their profile as required from the Profile section.

Notifications



1. The notifications for the user will be listed under the bell icon and the user can choose to view all the notifications in a list view.

2. In the all notifications list there should be an option to view the unread and read notifications.

Notification page attributes

S.No	Attribute	Description
	tiles	Each notification will be displayed in tiles , which is linked to the respecting redirecting page
	services	Button to access homepage

	My requests	Button to access the my service module

5.5.22 services

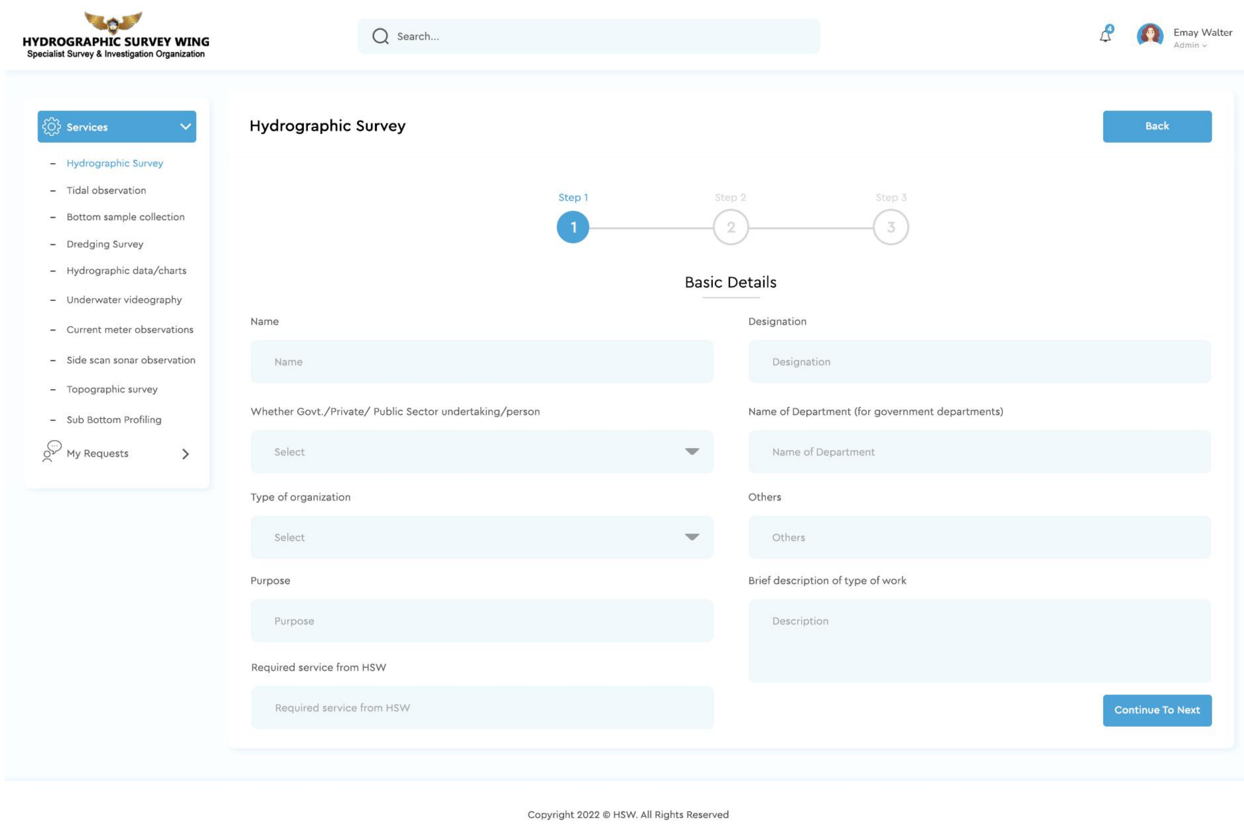
Here the user can view and access the service listed by admin. Users can open the service and look for basic information. If the user wants to avail the service , can submit the form through web.

These are the following services

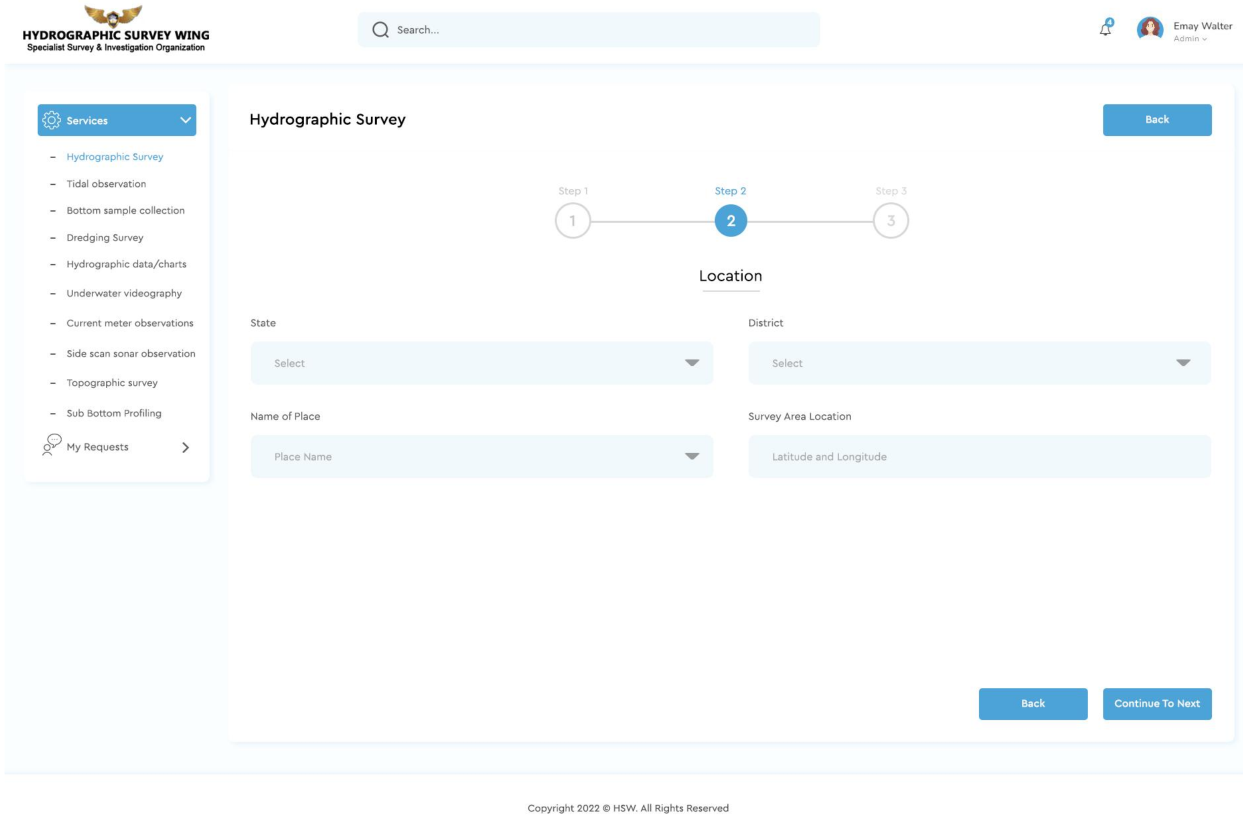
- Hydrographic survey
- Tidal observation
- Current meter observation
- Hydrographic chart
- Underwater videography
- Bottom sample survey
- Dredging survey
- Side scanning sonar
- Topographic survey
- Sub bottom profiling
-

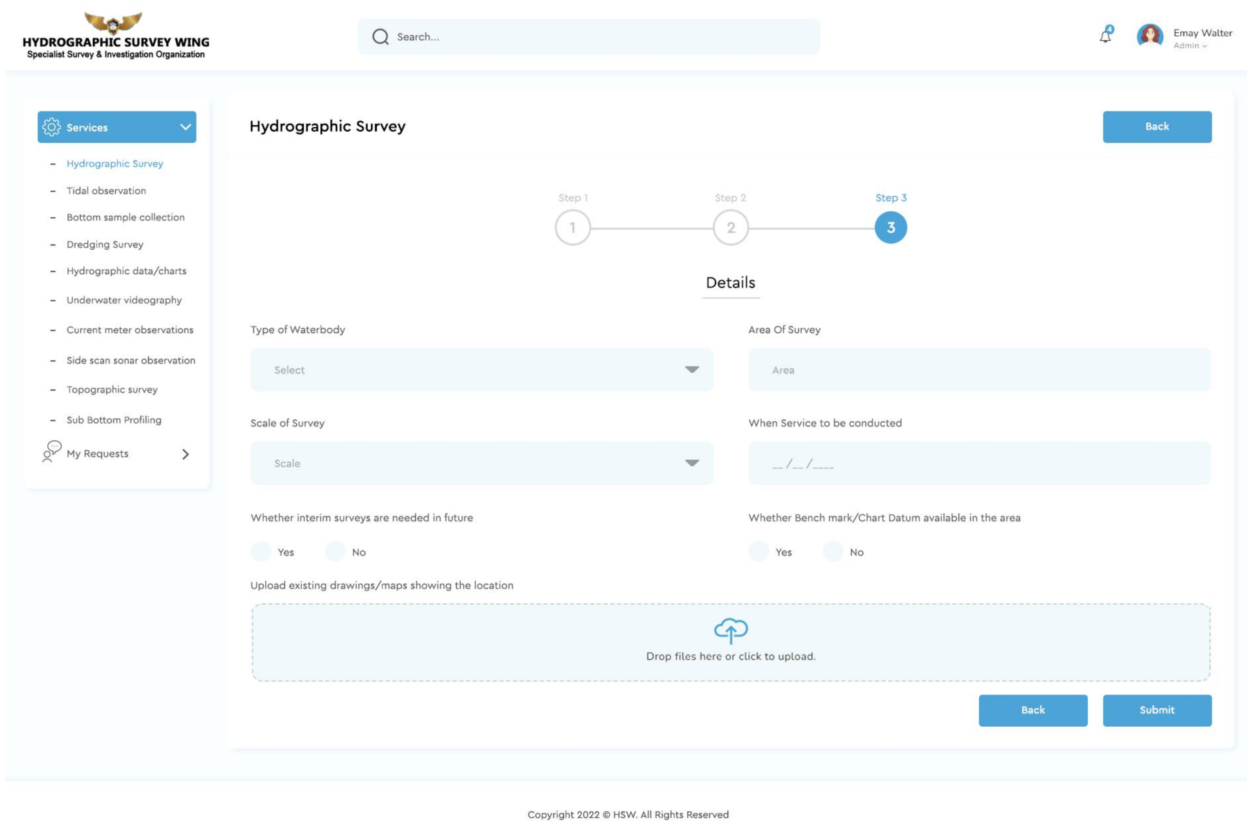
These fields are common to every service request form

1.Hydrographic survey form page attributes



From this onwards fields can vary according to the service they are requesting for.





S.No	Attribute	Description
	Text field	Name
	Text field	Designation
	Select from option [central govt, state govt]	Whether Govt./Private/ Public Sector undertaking/person (choose the relevant one)
	Text field	Name of Department (for government departments)
	Text field	Name of firm (Private or Public Sector undertaking)
	Text field	Purpose

S.No	Attribute	Description
	Text field	Need/purpose for the survey/data collection - users can add the reason for requesting thi survey.

	Combo box	General area proposed for survey/data collection [State,District, Name of place]. Users need to select the location where survey needs to conduct
	Text Input	Survey area location (Latitude/longitude limits if available). User and specify the longitude and longitude if available.
	Combo box	Nature of field (sea/river/canal/lake/reservoir/lagoon/pond). Users can select the type of the field they are need to conduct hydrographic survey
	Text input	Area of survey (approximate) .users can select the area which they want to conduct survey
	Text input	Scale of survey (specify distance between survey lines)
	Choose from calendar	when a survey to be conducted (choose Date)
	Radio button for yes or no	Whether interim surveys are needed in future
	Radio button for yes or no	Whether Bench mark/Chart Datum available in the area
	Upload option	Existing drawings/maps showing the location .

2 Tidal observation service request form details (Common fields are added in the first service request form will be applicable in each service request)

S.No	Attribute	Description
		Need/purpose for the data collection
		General area proposed for data collection [State, District ,Name of place,Name of place]
		Tidal area location (Latitude/longitude if available)
		Period of observation
		Whether Bench mark/ Datum available in the area

3 Bottom sample collection service request form (common fields are added in the first service request form will be applicable in each service request)

S.No	Attribute	Description
		[Place, Location]
		Depth at which samples to be collected (user need to add value in meters)
		No. of locations from which samples to be collected
		Quantity of sample to be collected in each location (user need to enter value in grams)

4. Dredging survey form details (common fields are added in the first service request form will be applicable in each service request)

S.No	Attribute	Description
1.		[Place ,Location]
2.		Detailed description of area (whether Sea/river/channel/harbor/jetty locations)
3.		Whether pre/post dredging survey required or both
4.		Whether interim surveys required
5.		Whether dredging quantity calculation required
6.		Method to be adopted for volume calculation (Tick Manual/software)
7.		Length, width, depth for calculation

5. Hydrographic data / chart required survey service request form details (common fields are added in the first service request form will be applicable in each service request)

S.No	Attribute	Description
1.		[Place, Location]
2.		Sea/ inland water bodies
3.		Year of survey chart required
4.		No. of copies required
5.		Whether print/soft copy required or both
6.		(Client can view the thumbnails/footprints of available data by clicking the link to HYMSIS portal)

6. Underwater videography service request form details (Common fields are added in the first service request form will be applicable in each service request)

S.No	Attribute	Description
1.		[Place, Location]

2.		Type of waterbody (Sea/ inland water bodies)

7. Current meter observation service request form details (common fields are added in the first service request form will be applicable in each service request)

S.No	Attribute	Description
1.		[Place ,Location]
2.		Sea/ inland water bodies
3.		Period of observation (user need to enter start date and end date)

8. Sub bottom profilling service request form details (common fields are added in the first service request form will be applicable in each service request)

S.No	Attribute	Description
1.		name of place
2.		location
3.		Latitude and longitude
		Area to be scanned (in sq km)
		Depth of the area (in meter)
		Line / scanning interval (iun meter)

9. Sub bottom profiling service request form details (common fields are added in the first service request form will be applicable in each service request)

S.No	Attribute	Description
1.		name of place
2.		location

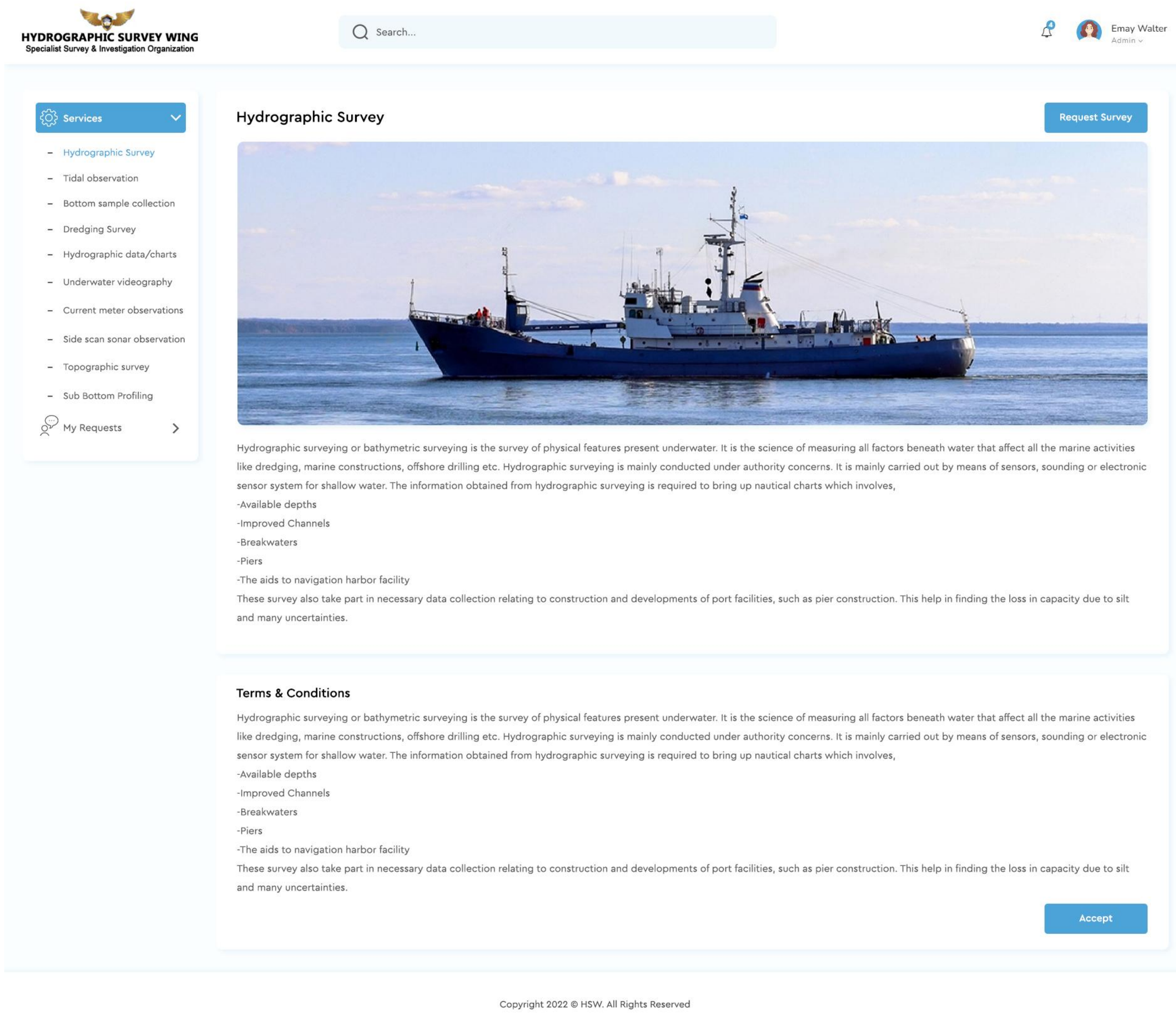
3.		Latitude and longitude
		Area to be surveyed (in sq km)
		Scale of survey (in meter)

9. **Side scan sonar observation service request form details (common fields are added in the first service request form will be applicable in each service request)**

S.No	Attribute	Description
4.		name of place
5.		location
6.		Area to be scanned (in sq km)
		Depth of the area (in meter)
		Line / scanning interval (iun meter)

5.5.23 Service Details Page

Users will be landed to the details of the selected service. Once the user selected a particular survey from the list, the system will land the user to the details page of the selected survey. Details page will give the basic and descriptive information about the selected survey service. Each service has their unique terms and conditions that customers need to accept. User needs to accept the terms and conditions for submitting the request, otherwise customer can not able to submit the request



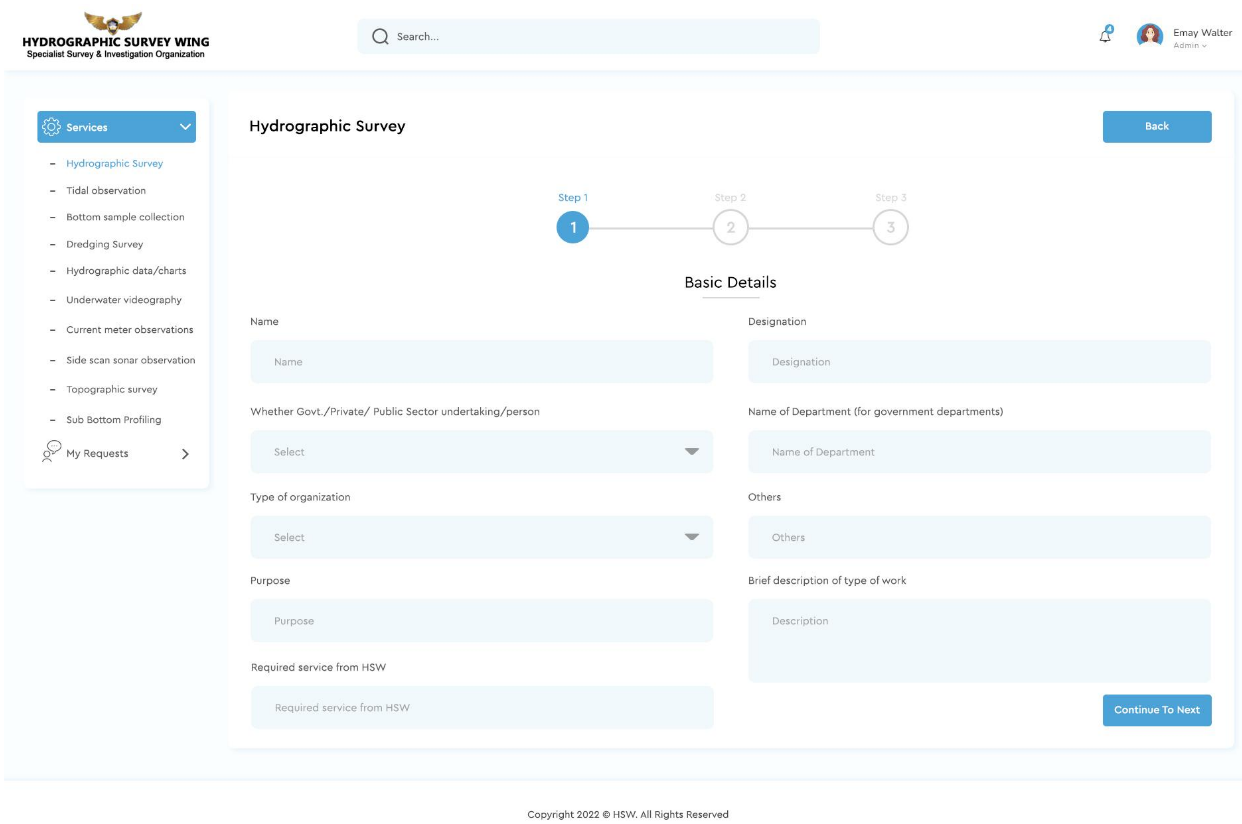
Service details page attributes

S.No	Attribute	Description
	banner	Contents about the service will be displayed
	services	Button to access homepage
	My requests	Button to access the my service module
	Submit the form	Button to go to documentation page (form)

5.5.24 Submit Form Basic Details Page

Submit form for each service having different fields . there are common fields in those seven services. Apart, there are different fields that the user needs to fill inorder to submit the form. User need to fill the details , some fields are text fields and select from option.From page will be different for each services .

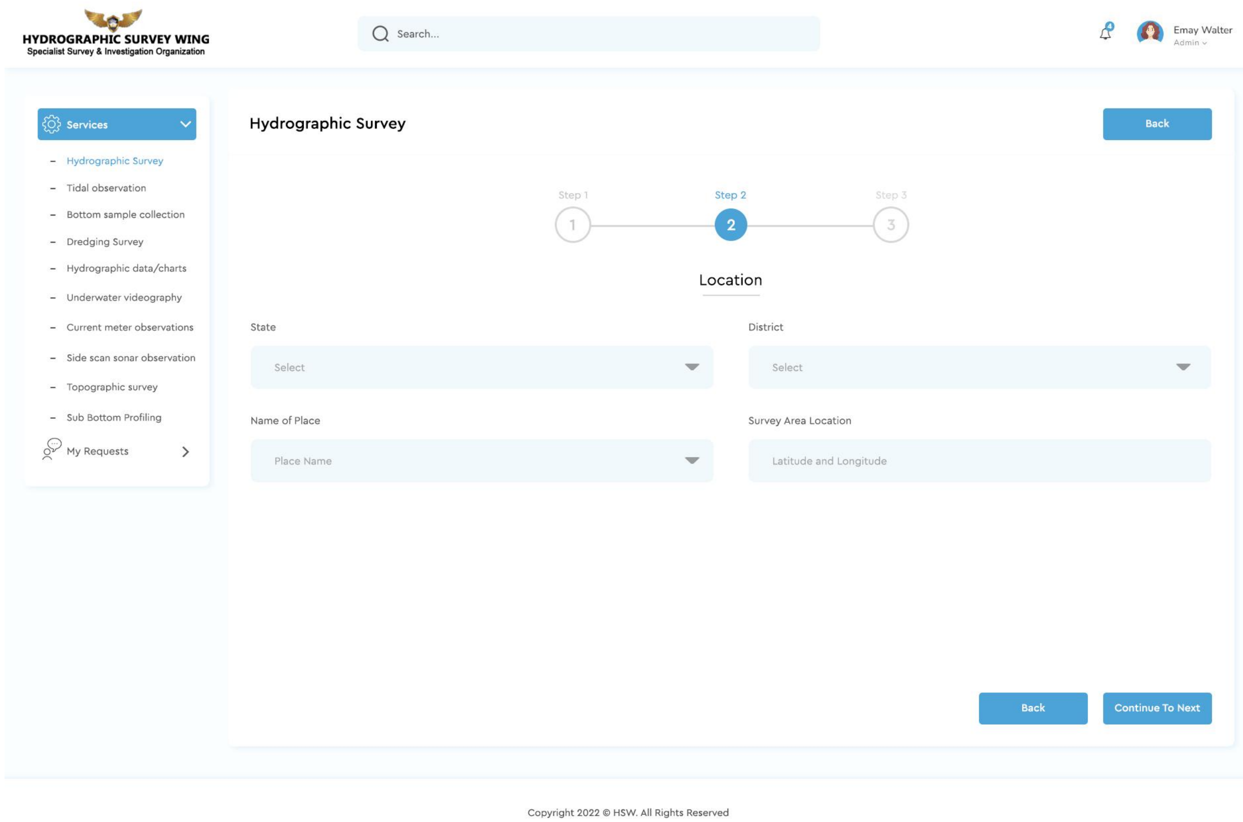
1. Form page content
    a. Name - User need to enter
    b. designation - User need to enter
    c. whether govt, public private - - User need to select from option
    d. name of department type of organization - User need to select from list
    e. other specify - User need to enter
    f. purpose - User need to enter
    g. brief description of type of work - User need to enter
    h. required service HSW- User need to enter



Submit form basic details page attributes

S.No	Attribute	Description
	name	Field to enter customer name
	designation	Field to enter the designation
	Name of the department	Field to enter the name of the department
	Name of the firm	Field to enter the name of the firm
	Type of organization	Select from list
	If others, Please specify	If selected type is others, need to enter the type of firm
	purpose	Field to enter the purpose for the service request
	Required service from HSW checklist	Nor clarified
	Brief description of type of work	Text field to enter in descriptive words.
	Next page button	Button to access the next page

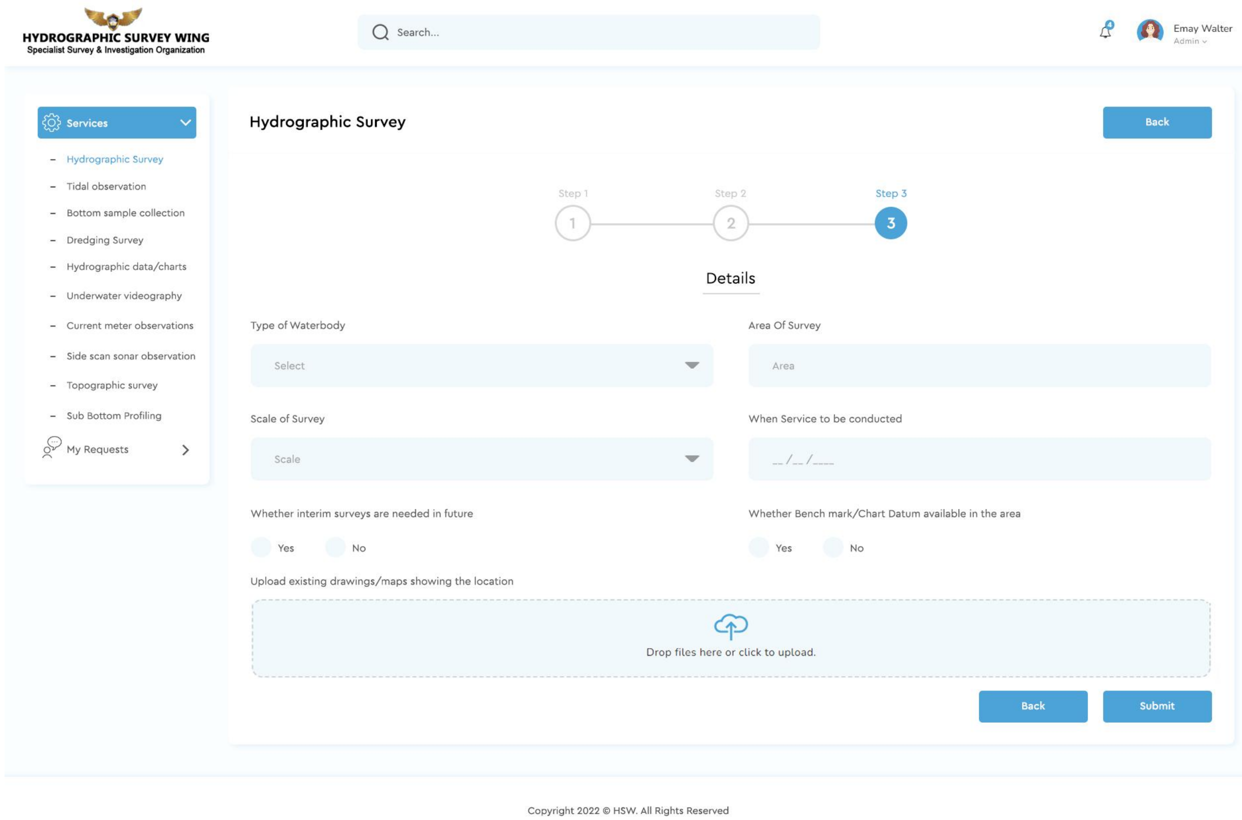
5.5.25 Submit Form Location Details Page



Submit form location details page attributes

S.No	Attribute	Description
	state	Select state from list
	district	Select district from list
	Name of place	Field to enter the name of place
	Survey area location	Use map to access lat and long data
	Next page	Button to access the next page

5.5.26 Submit Form Survey Details Page



Submit form survey details page attributes

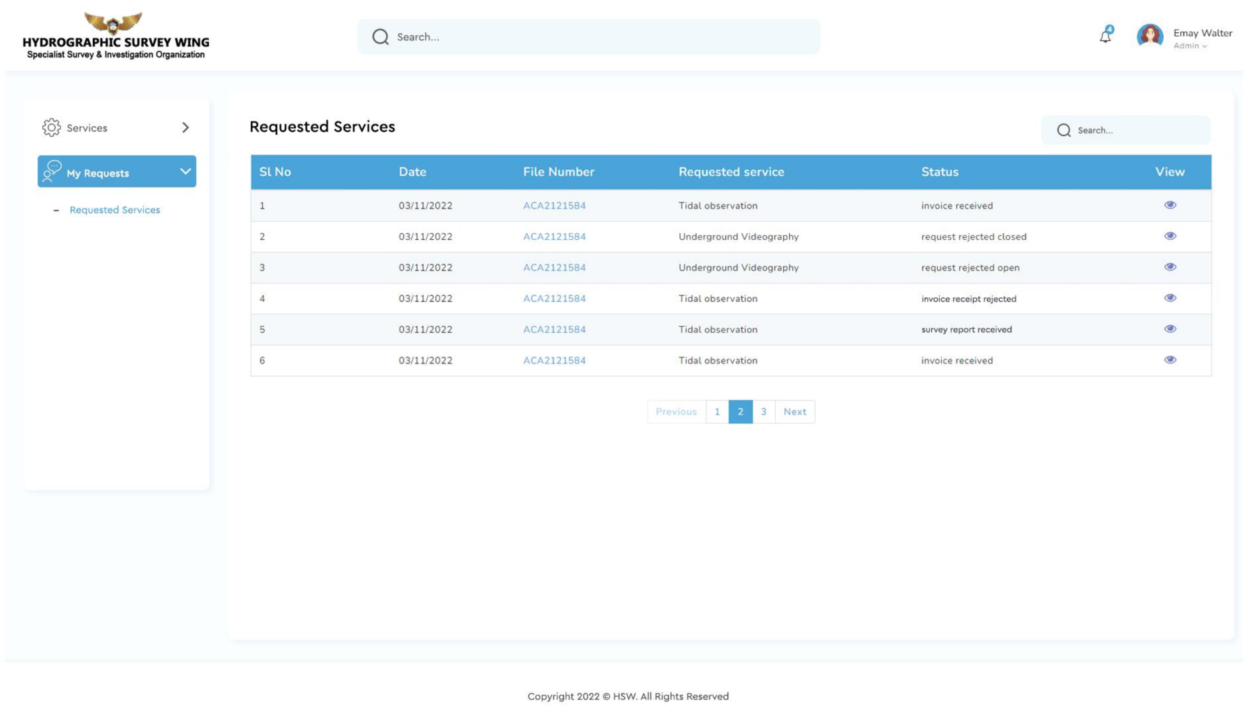
S.No	Attribute	Description
	Type of waterbody	Select from list
	Area of survey	Field to enter
	Scale of survey	Not clarified
	When service need to be conducted	Not clarified
	Whether interim survey needed to be conducted	Select from option (yes or no)

	Whether benchmark or dat chartum available in the are	Select from option (yes or no)
	Existing drawings / map showing the location	Upload function to upload files or documents
	Submit form	Button to submit the form

5.5.27 My Service Requests

Users can access all their requests received, requests will be displayed in a list with actionable only from file number. By clicking on file number will direct to the selected individual service details page.

1. Table content
    a. Date - date of the last activity happened in the service will display
    b. file number - file number of the service will display
    c. requested service - name of the service will display
    d. status - current status of the particular service will display

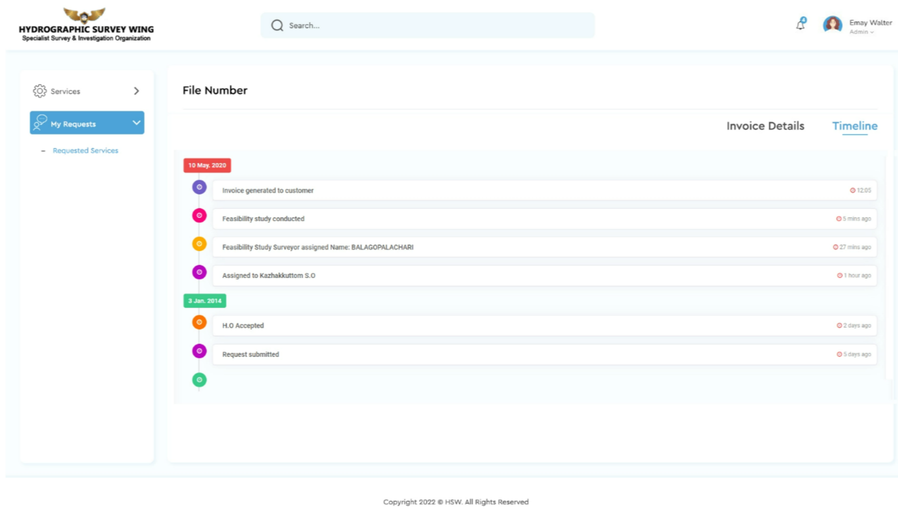


My service requests page attributes

S.No	Attribute	Description
	date	Display date of the service added
	File number	File number of the service
	Requested service	Name of the requested service
	status	Current status of the requested service

5.5.28 My Service Requests Individual Service Timeline Page

Users can always access their timeline page to understand what activities are those activities done in their service. All the activities will be displayed in timeline and user can go to the specific page from the timeline itself. If a user activity needed part is required the area will be highlighted for user to identify the latest activity need to take.

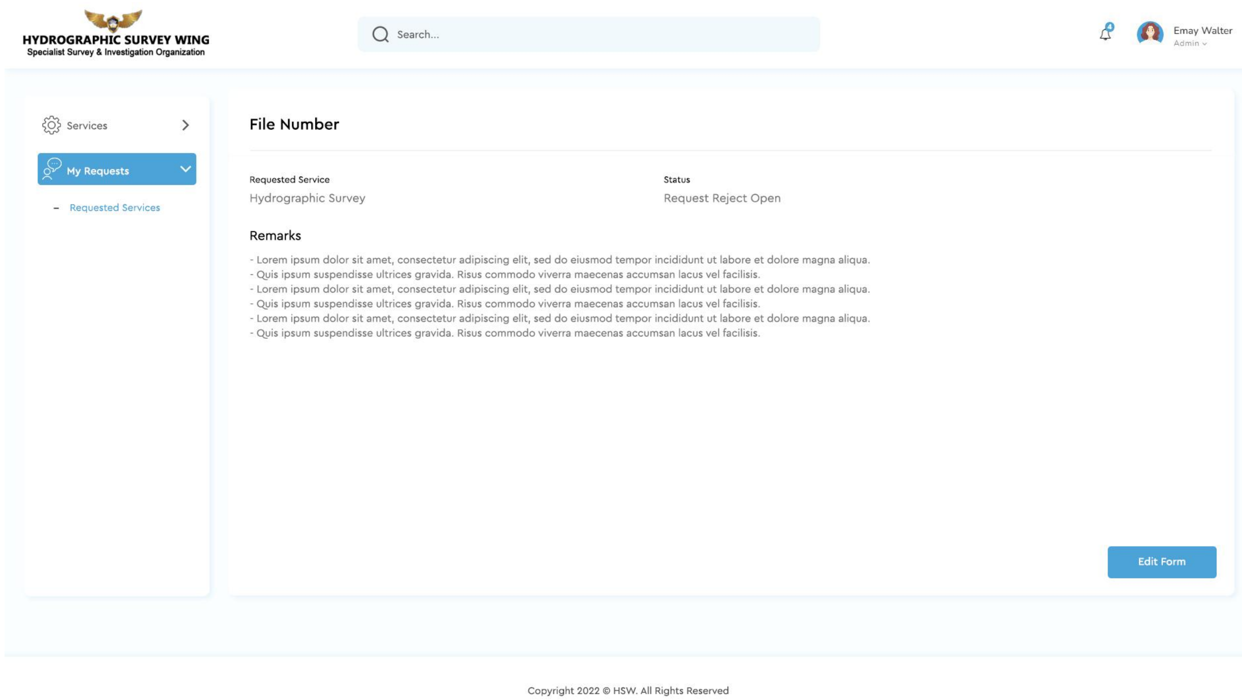


My service requests individual service timeline page attributes

S.No	Attribute	Description
	List []	Date , name , status of the selected service will display
	Log	Each activity occurred will display
	Basic details	Button to access activity area

5.5.29 My Service Requests - Reject Open Page Details

Users will land in this page if their request is rejected open from the admin. This page will display the remarks (reasons) for rejecting the service request, users can easily identify their errors and can edit their form from this page itself. Users can re submit the request.

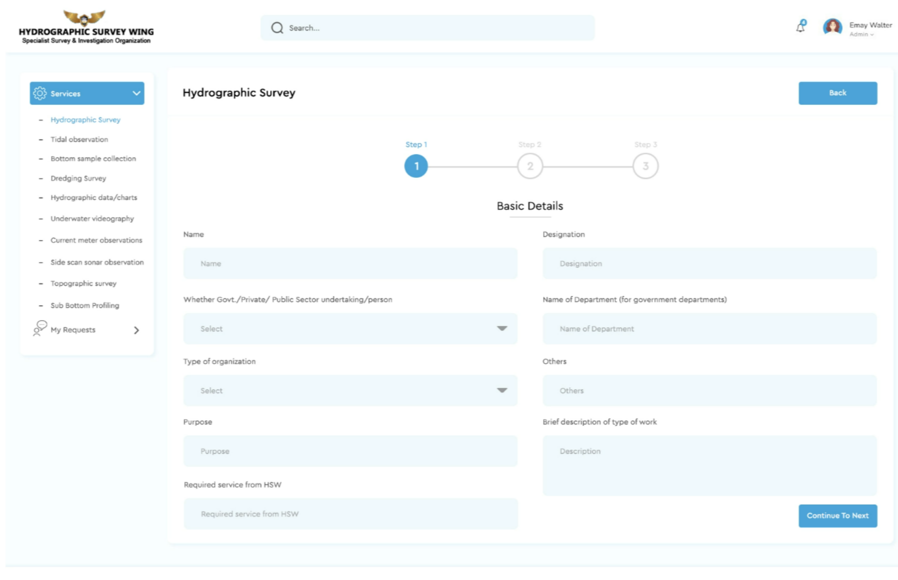


My service requests - reject open page attributes

S.No	Attribute	Description
	List []	Date , name , status of the selected service will display
	Actionable area GO TO FORM PAGE	Button to access the submitted form to edit the required

5.5.30 My Service Requests - Reject Open Page - Form editing 1

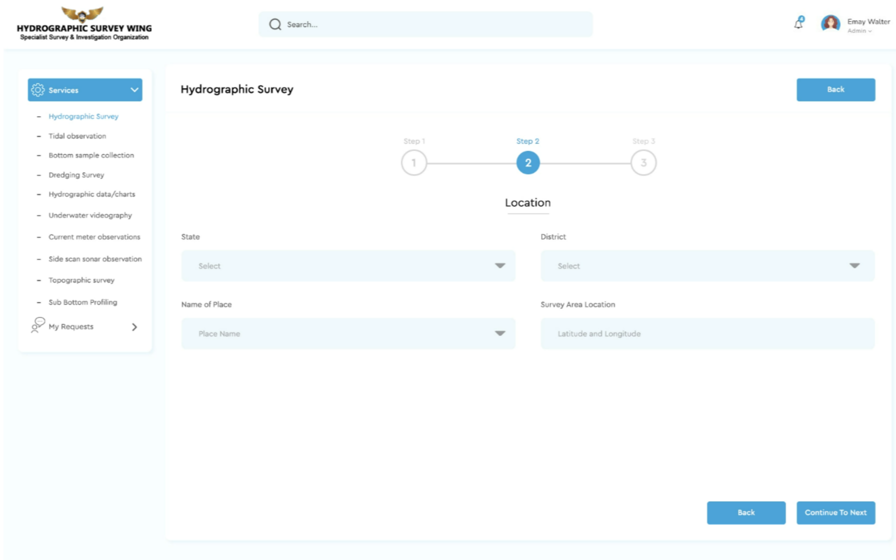
User can edit the fields ,add new texts in respect of the reason marked for rejecting the request.once the user clicks on the continue button will direct the user to next page.



My service - reject open page form editing page 1 attributes

5.5.31 My Service Request -Reject Open Page - Form edit 2

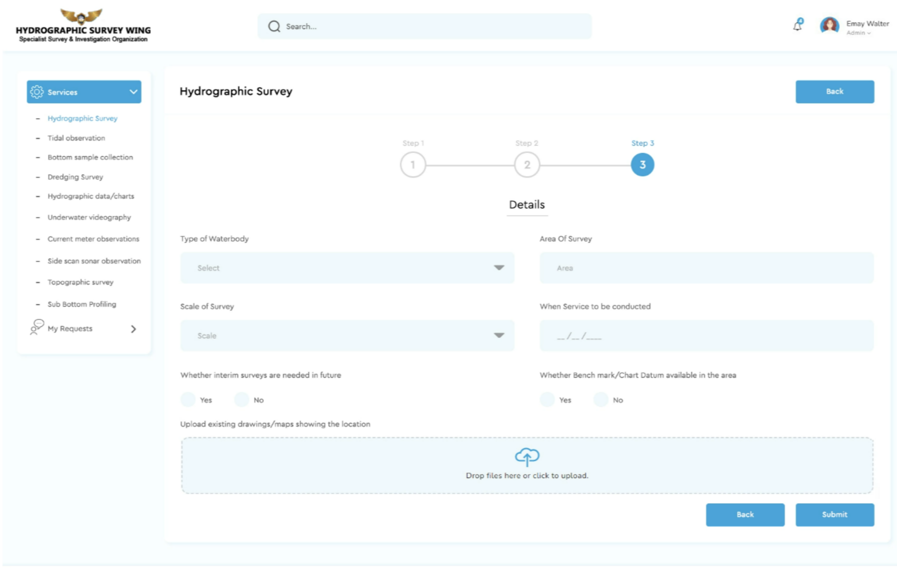
User can edit each field here in respect to the reason marked for rejecting . once the user clicks on the continue button will direct the user to next page.



My service requests - reject open - re submitting the form page 2 attributes

5.5.32 My Service Request -Reject Open Page - Form edit 3

Users can re-upload the file , if the file part is the reason for rejecting the request. Once the user completes the form and clicks on the submit button will re-submit the form to the chief hydrographer.



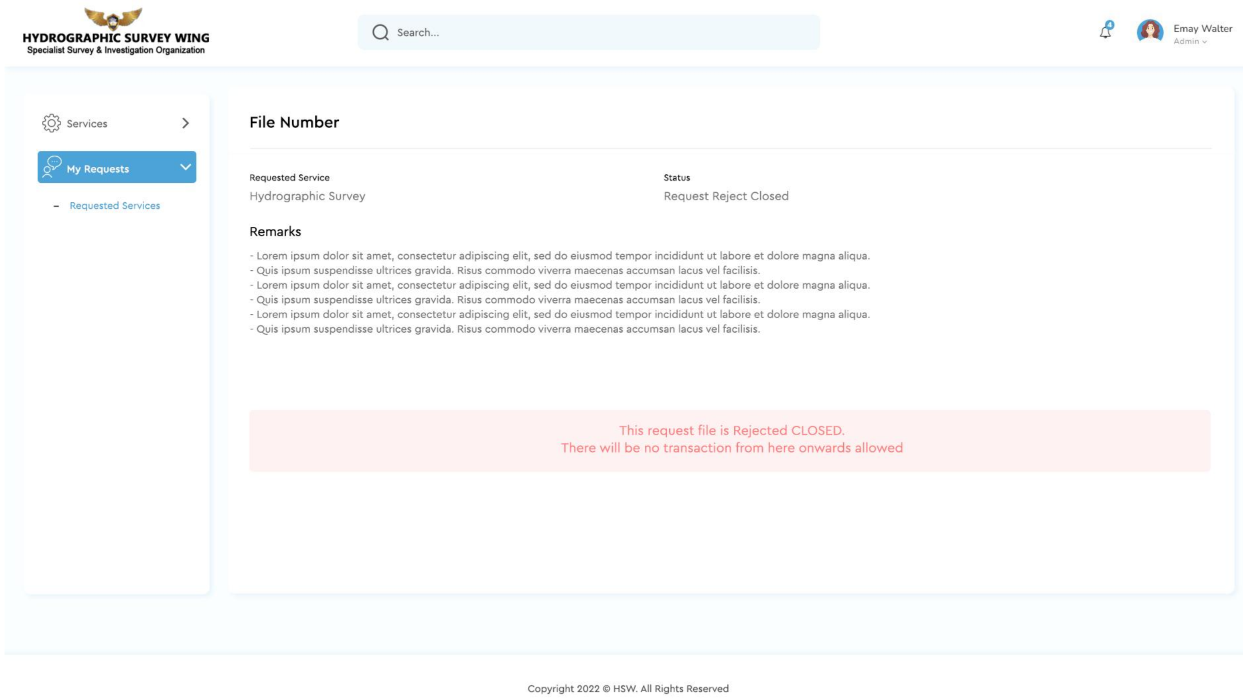
My service requests - reject open - re submitting the form page 3 attributes

My service requests - reject open - re submitting the form confirmation page attributes

FLOW and PAGES EXACTLY SAME LIKE REQUESTING FOR A SERVICE. SUBMIT FORM HAVE DIFFERENT FIELDS .

5.5.33 My Service Requests - Reject closed Page

Admin can reject the request forever. Reject with closed requests can not be further activated from both sides. Once the request is rejected it is closed. Users will receive the notification and remarks for rejecting and can not make further transactions.



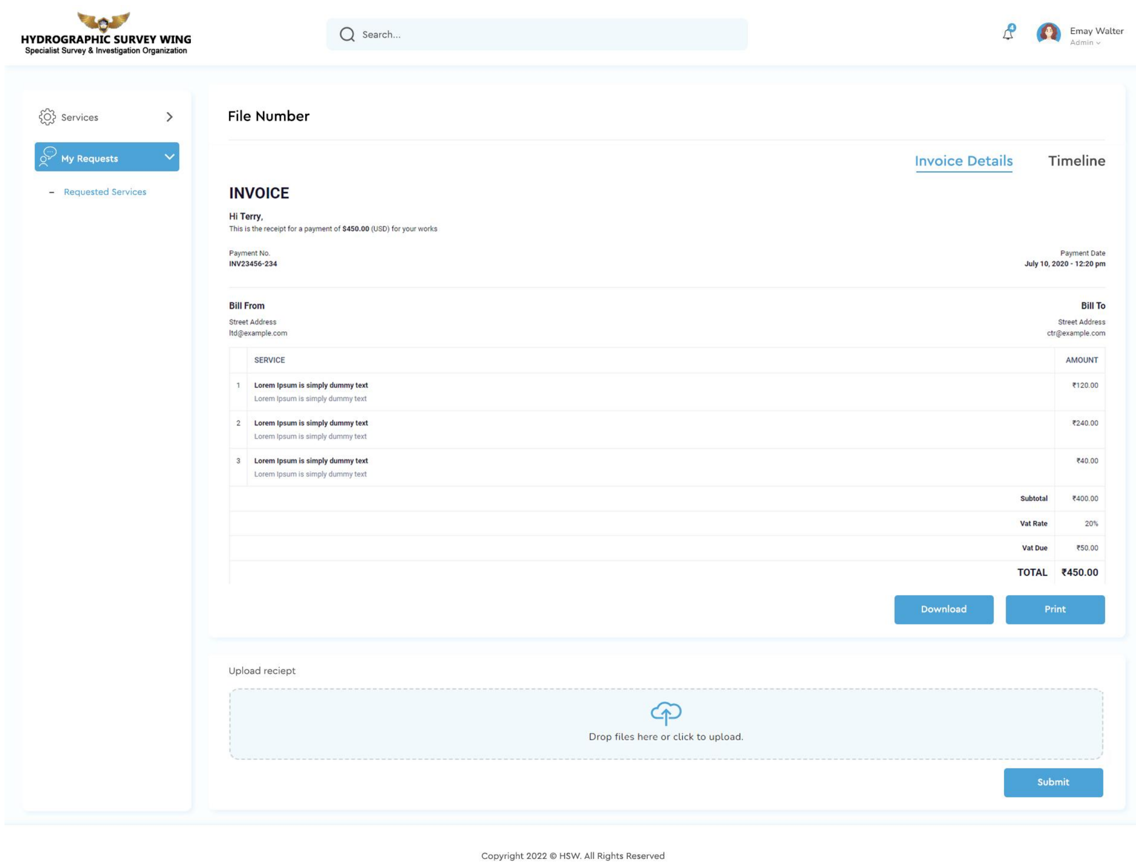
Reject closed page attributes

S.No	Attribute	Description
	Name of the service and status	Will display the name and status of the service.
	Remarks	Will display the remarks

5.5.34 My Requests Individual Service - Invoice received details Page (change)

Users will be receiving invoices to their account once the field study is completed . users need to pay for the survey study in advance, a challan mod of payment is required so here customers will have the feasibility to download the received invoice and pay the challan. Once the user completes the payment, they need to upload the receipt to pull this to admin verification. Only after verification , survey study will be initiated.

1. Customers will have both options to download the invoice received and upload the receipt from the same page.
2. Once the receipt is uploaded and the customer clicks on the submit button will send the receipt to the account officer.
3. Customer will receive the proforma invoice first . users can accept or reject the invoice . If the user accepts the invoice, the user will receive the final invoice which they need to make payment. If the user rejects the proforma invoice, it will cancel the service entirely.
4. Users will have multiple upload options to be given for uploading the receipts.

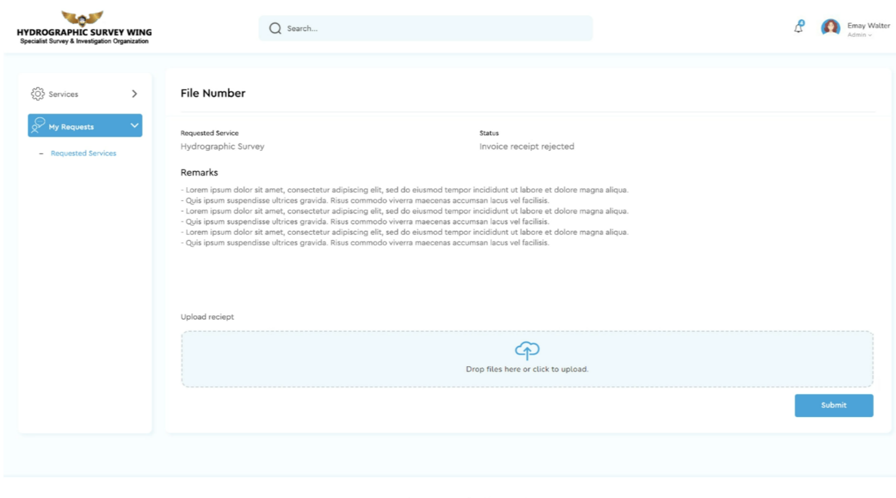


My requests individual service - invoice generated page attributes

S.No	Attribute	Description
	Invoice	Received invoice will display
	Download / print	Button to download or print.
	Actionable area UPLOAD receipt	Upload the receipt file/ documents
	Submit receipt	Button to submit/ send the receipt

5.5.35 Invoice receipt rejected

User submitted receipts can be rejected by the authorities. If the submitted receipt is not clarified or valid. The receipt will be rejected and the customer needs to resubmit/ re-upload the receipt . unless the survey study will not be initiated.

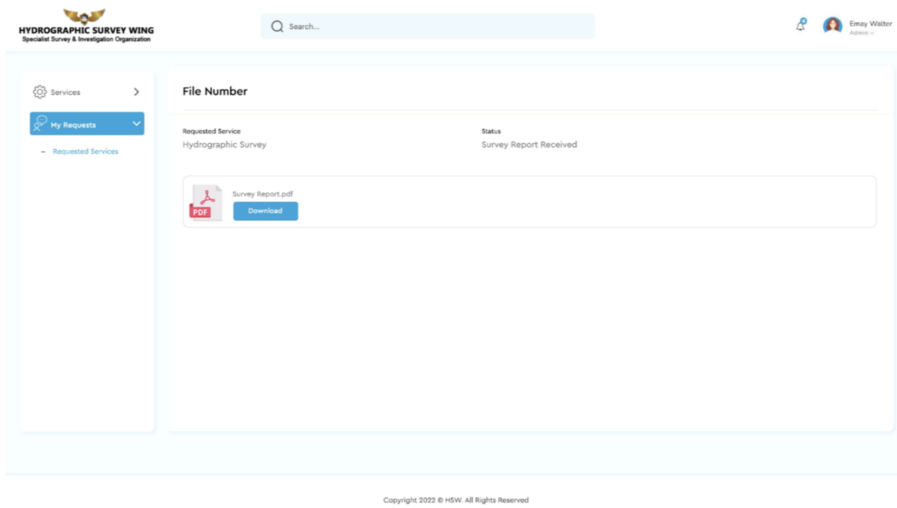


Invoice rejected page attributes

S.No	Attribute	Description
	remarks	Will display the super admin added remarks
	Actionable area UPLOAD receipt	Upload the receipt file/ documents
	submit	Button to send receipt.

5.5.36 My Requests Individual Service - survey report received

Once the survey study is complete the chief hydrographer will send the survey report to the customer . the user will receive the report from the system and can download the report. Report will be an E signature given .

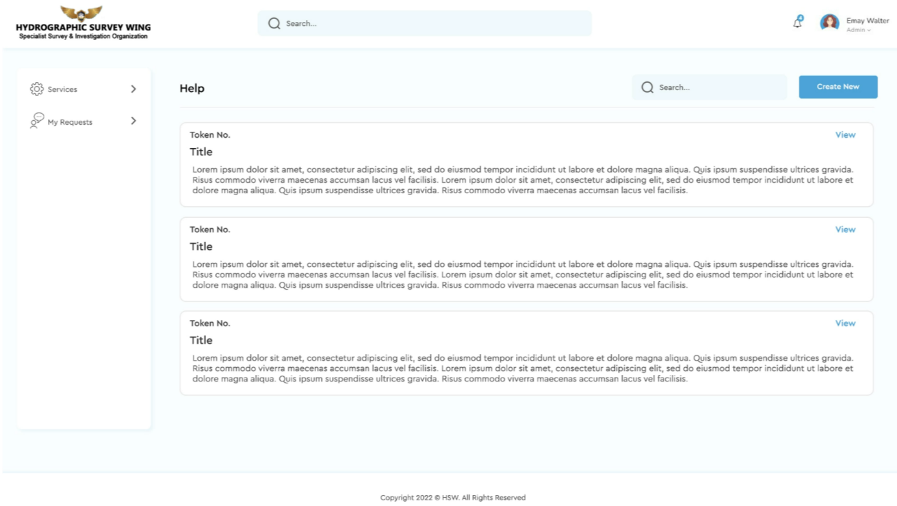


Survey report received page attributes

S.No	Attribute	Description
	Service name and status	Will display the name of the service and current status.
	Report - download	Button to download the report (pdf file)

5.5.37 Get help/ support page

Users can access and avail the help/ support . This page will display all the support tokens that a user has created so far. The communications happening inside each token will be displayed once the user clicks a particular token. Users can create a new token if they have an issue.

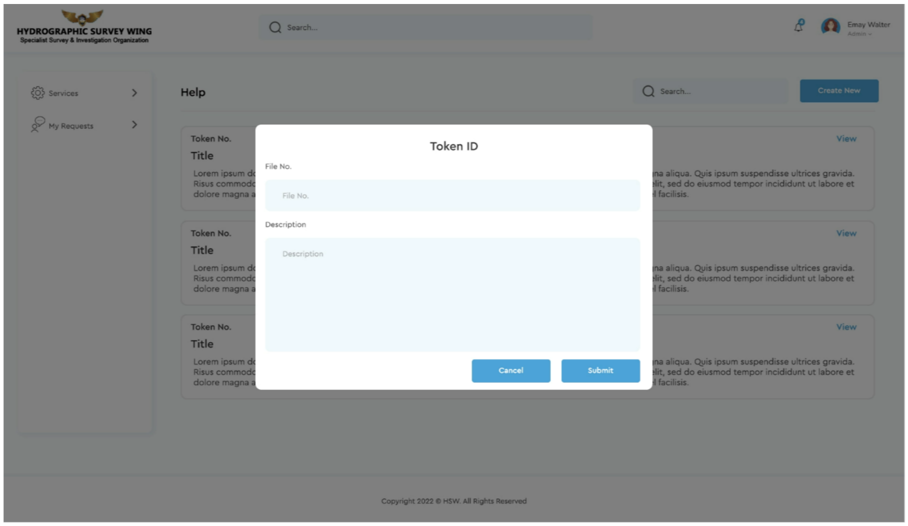


Get help/ support page attributes

S.No	Attribute	Description
	Create token	Button to create new token
	Tokens	Tile view of previously created token with pages inside

5.5.38 Get help/ support individual page

Users can avail support from the officials from the support page. Users can create a token giving the detailed description of their issues including the file number and once the token is submitted admin will receive and verify and will receive the replay inside the issue raised page.



Get help / support individual page attributes

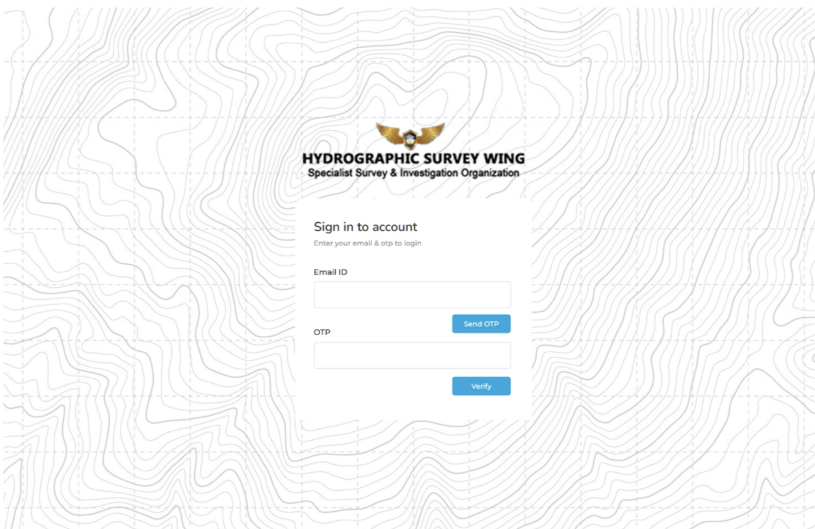
S.No	Attribute	Description
	File number	User need to enter file number
	description	User need to enter the issue descriptively
	Submit	Button to send this to admin
	Cancel	Button to cancel the token and go back to the support page.

6 Surveyor Web Panel

6.1.1 Login

Surveyors have a web panel module , web panel module only giving the permission to upload files which cannot be uploaded using mobile devices. Surveyors can log in to their profile in a web panel and upload documents in the reports which are submitted from their mobile application.
Surveyors can only submit the documents from web module. No other permissions or actions can be performed.

Login



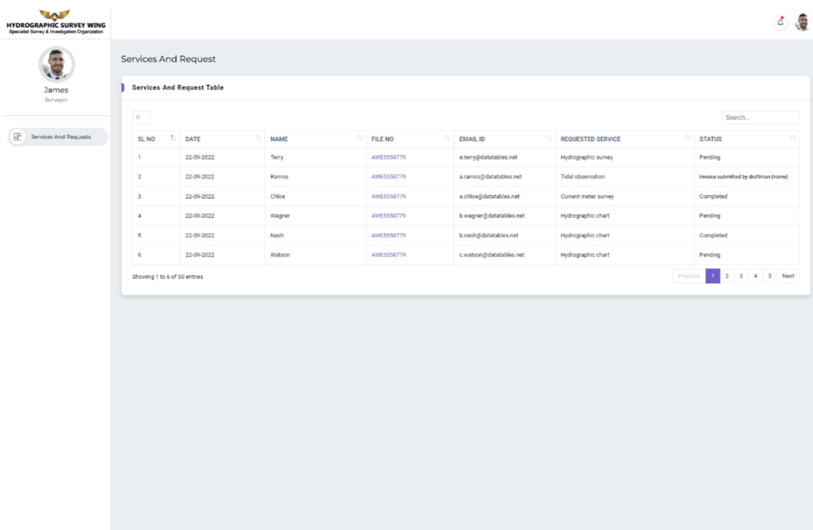
1. surveyor can login to the system by entering the Email id. Once the user enters the mail id , the system will send an OTP to the mail id . Users need to enter the OTP to successfully login to the system.

Login page attributes

S.No	Attribute	Description
	Email id / ?	Field to Enter users email id
	password	Field to Enter the password
	login	Button to verify the credentials and log into homepage

6.1.2 Service and Requests List Page

Users can access the service page. Users can access the upload file to the report and verify the invoice prepared by draftsman or filed assistant.

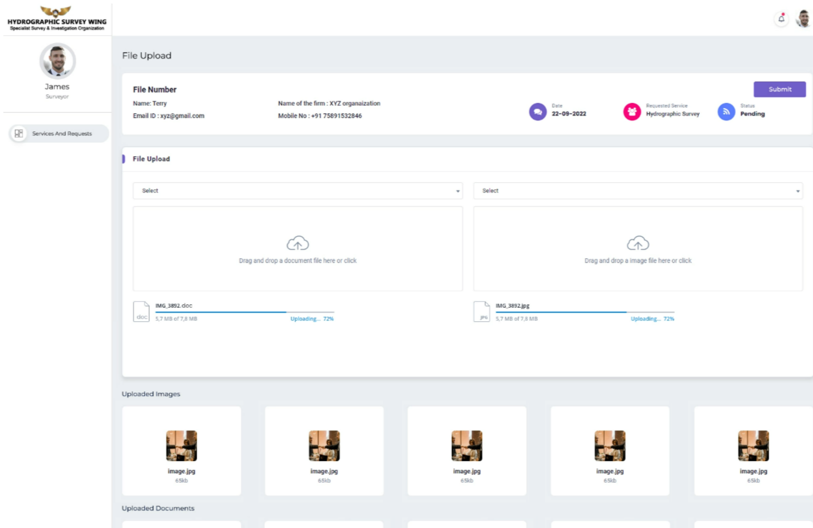


Service and request list page attributes

S.No	Attribute	Description
	date	Date of the service request accepted
	First name	Name of the customer requested
	File number	File number of the requested service
	Email id	Email id of the customer
	service request	Name of the service request received
	status	Current status of the service

6.1.3 Accepted Service Individual Page - Upload Document page

Users can upload the files which cannot be uploaded from the mobile device. Users can select the file number which the files need to upload by clicking the particular file number. It will land the user to details page where user can upload the files

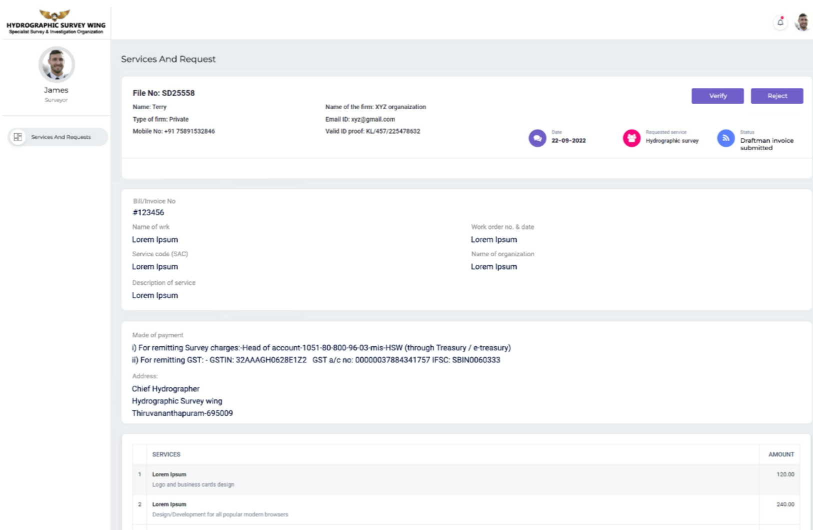


Accepted service individual page attributes

S.No	Attribute	Description
	Uploaded documents	Files uploaded from mobile device will display
	Field captures	Images uploaded from mobile device will display
	Upload documents	Upload function to upload documents or files
	Select recipient	Recipient select from list option
	Send report	Button to send report to the selected recipient
	Report form	Button to access the report form page

6.1.4 Accepted Service - invoice submitted by draftsman / field assistant page

Users can view once the draftsman submitted the invoice. Users need to verify the invoice created and can mark as verified to escalate to higher authorities. Once the user selects a file which the draftsman created invoice , the system will land the user to that specific page. Users can mark the invoice as verified.



Page attributes

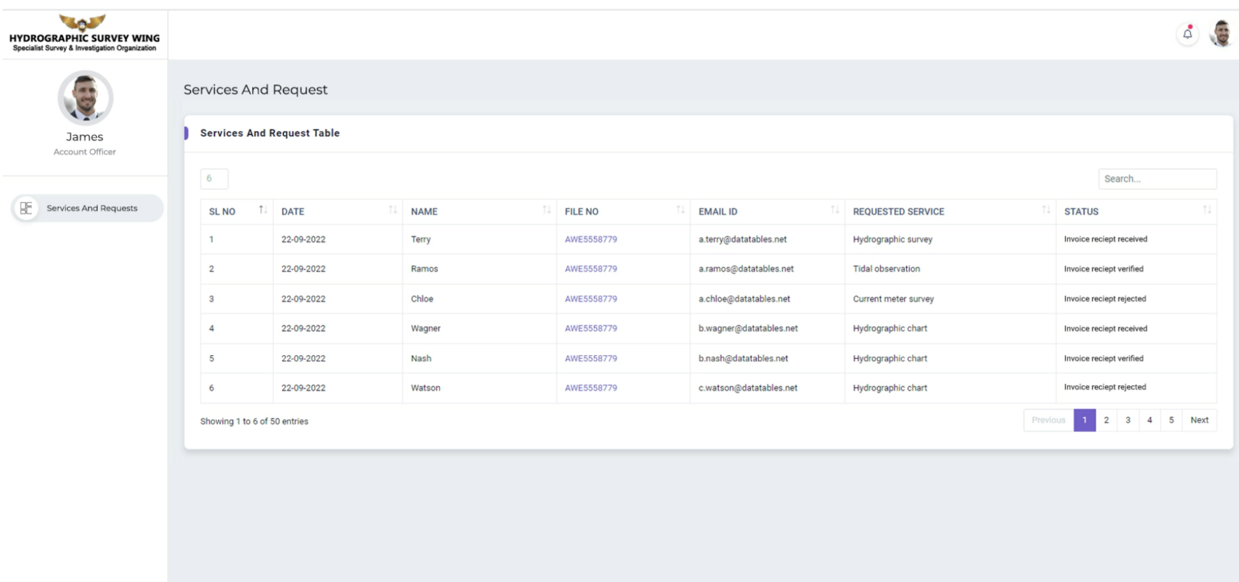
S.No	Attribute	Description
	Invoice	Invoice submitted by the surveyor will be displayed
	verify	Button to mark the invoice as verified and will notify the Marine surveyor
	reject	To send the reassignment to the draftsman to create the invoice

7 Accounts officer

Accounts officer is the person who is acting as the receipt verifying inside the system. All the customer submitted payment receipts will be directed to the accounts officer module and the accounts officer will be validating/ verifying the receipts. Accounts officer will not having any other functionalities.

7.1.1 Service request page

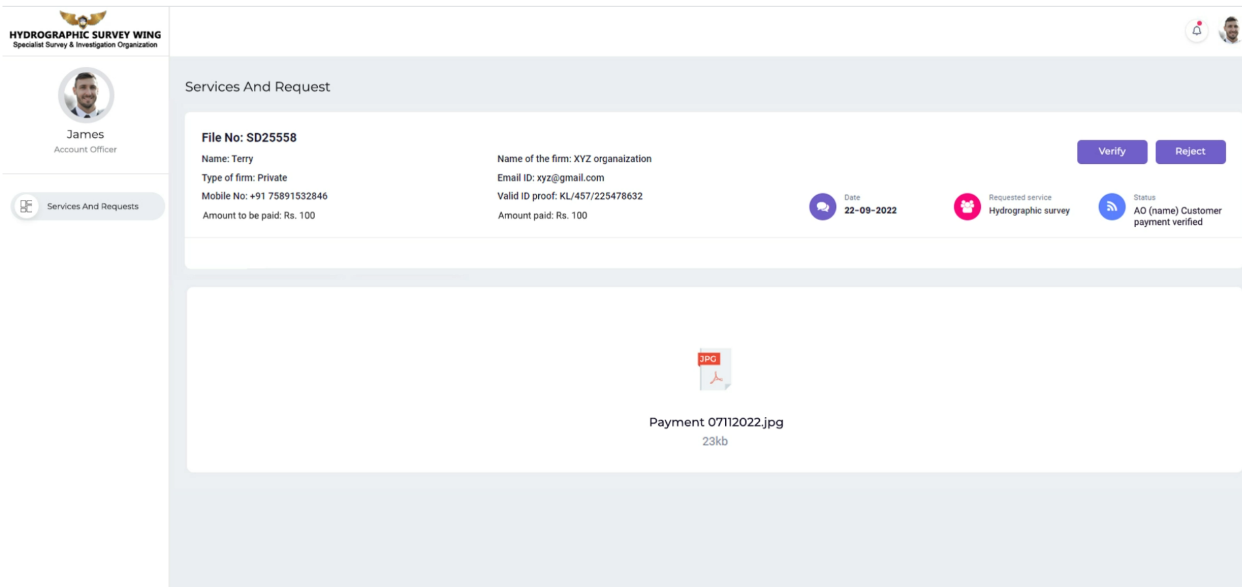
Users can view and access the service request page to identify the received customer receipt . once a new receipt received from a customer will be notified in the notification page as well in the service request page.



7.1.2 Invoice received individual page

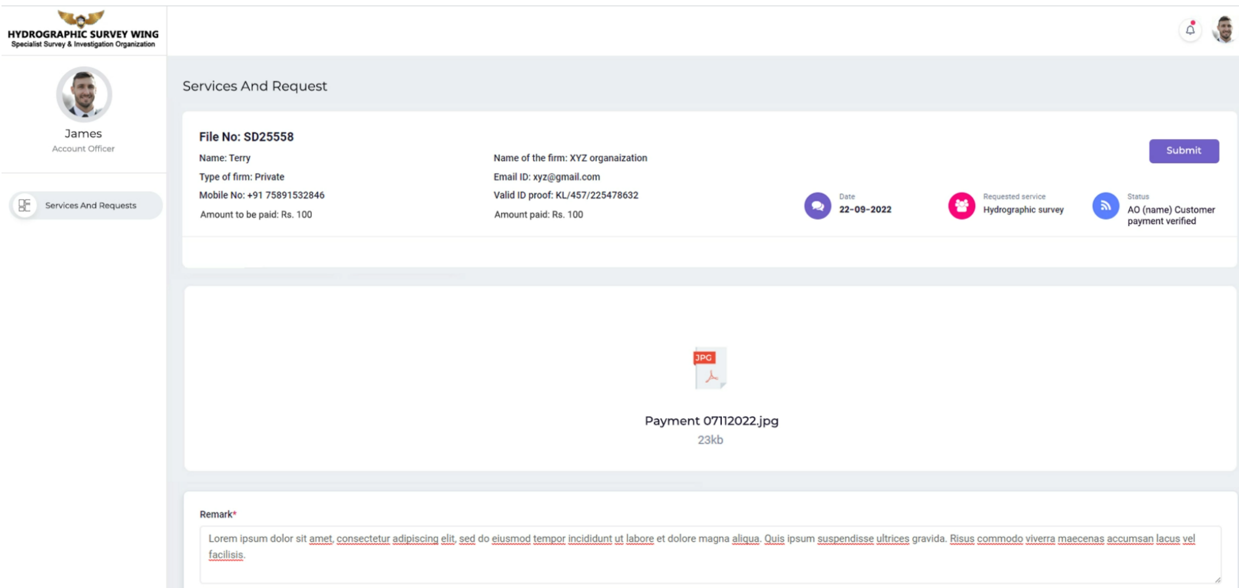
Users can access the details page by selecting a particular customer file number. Once the user clicks on the file number will lead the customer to an individual page where the user can access the receipt customer submitted. Users can open the file and mark it verified once the receipt is complete or can mark as rejected if the receipt is not complete.

Users can mark the receipt as verified once the receipt is verified complete. Users can click on the verify button to verify, once the user is marked as verified, the chief hydrographer will be notified and will be initiating the survey study assignment.



7.1.3 Invoice received - rejected

Once the user identifies the receipt that the customer submitted is not valid or not completed can reject the receipt. Once the user rejects the receipt the chief hydrographer will be notified as the receipt is rejected and the chief can notify the customer. User needs to mark the reason as remarks if rejecting the receipts. Super admin (chief hydrographer will receive the remarks).



7.1.4 Service - Invoice generated

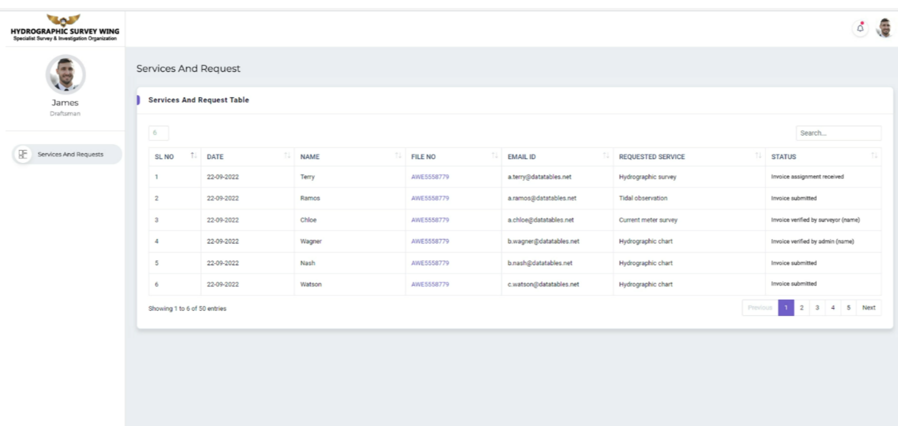
Users will be notified if the CH (SUPER ADMIN) assigned survey study without the payment required. Once the invoice is prepared and CH directly assigned the survey study will be notified by the accounts officer. Every invoice generated will be displayed and CH assigned survey study without payment will be displayed.

8 Field assistant / draftsman

Field draftsman is the user who is preparing the invoice. Field assistant or draftsman will be receiving the report with ETA and remarks added from the chief hydrographer. User needs will be having an invoice template where users can add the value in each field. Users need to send once the invoice is created to the assistant marine surveyor for verification.

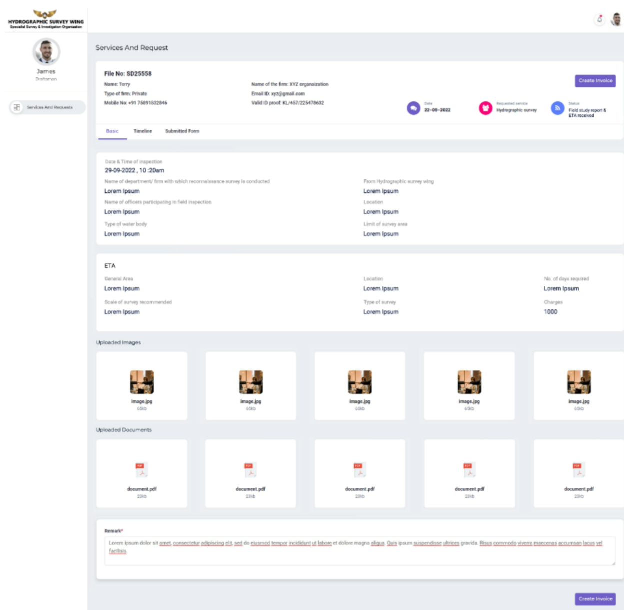
8.1.1 Service and request page

Users can view and access the service request page to identify the report received for invoice preparation . Once a new report is received from the chief hydrographer, users will be notified in the notification page as well as in the service request page. Users can open the details page by selecting the file number.



8.1.2 Service and request page- individual page details (changes)

Users can view the received report from the chief hydrographer. Users can view the report with ETA and remarks added by the chief hydrographer. Users can prepare an invoice by selecting the create invoice button to open the template and users can add value in the fields by referring to the report.

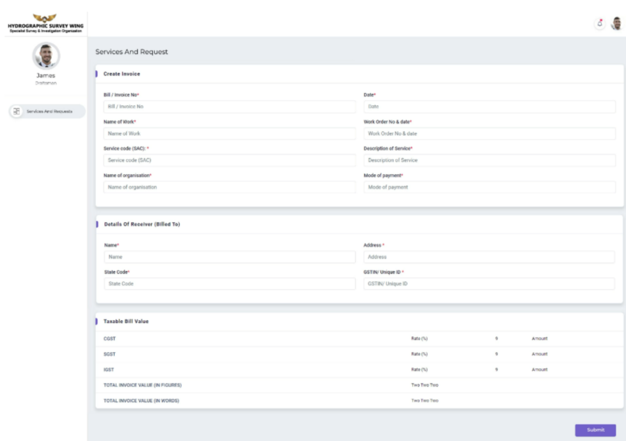


S.No	Attribute	Description
	Basic details	Display the basic details
	Report with ETA	Display the received field study report including ETA
	Create invoice	Button to create an invoice.

8.1.3 Service and request page- create invoice page details

Once the user clicks on the invoice button will allow the user to use invoice template added. Invoice template will have the fields where user needs to add values based on the report received and once the user prepared the invoice can send to assigned authority by clicking the submit button.

Here , we need to add a proforma invoice along with the original invoice that can be sent to ultimately CH , CH can send the performance to the customer first , once the customer accepts the performa, CH can send the original invoice. If a customer rejected the performa , service will be canceled and cannot be opened again.



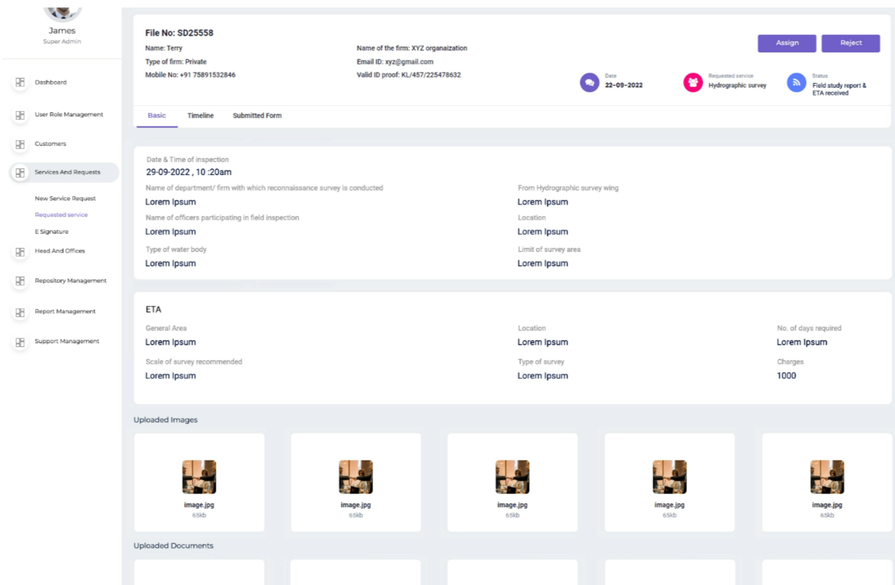
Page attributes

S.No	Attribute	Description
	Invoice number	
	date	
	Name of work	
	Work order number and date	
	Service code SAC	

	Description of service	
	Name of organization	
	Mode of payment	
	Details of the payments	
	Address of the recipient	
	Details of the receiver	
	Name	
	address	
	State code	
	GSTIN unique id	
	Invoice fields to add amount	
	Declaration	
	signature	
	seal	

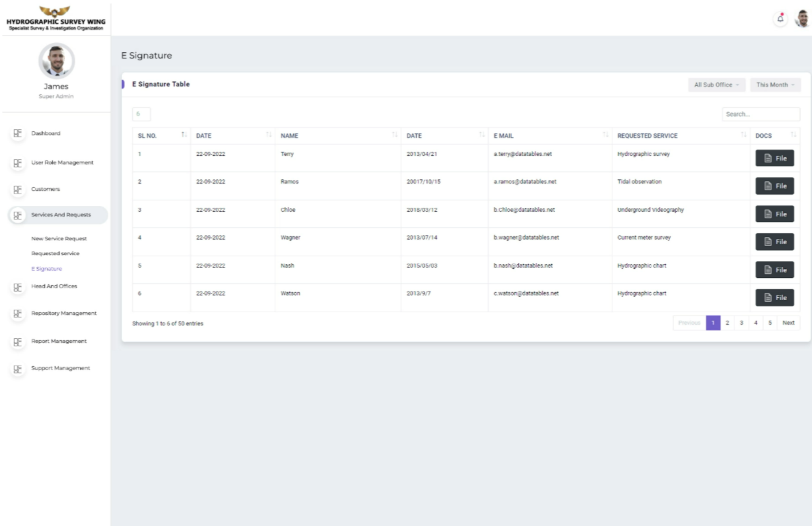
8.1.4 Service request - MS verified survey report

Users will receive notification once the marine surveyor verified the survey report. Draftsmen mapped under the head office will only be notified and they need to verify the survey report to notify the assistant marine surveyor in head office - once the assistant marine officer is verified , the survey report will be sent to the assistant cartographer for verification.



8.1.5 E- signature Pending page.

Users can identify the customer which is pending the e signature process. E signature pending customers will be displayed and the user can access the individual page by selecting a particular customer from the list.



Esignature page attributes

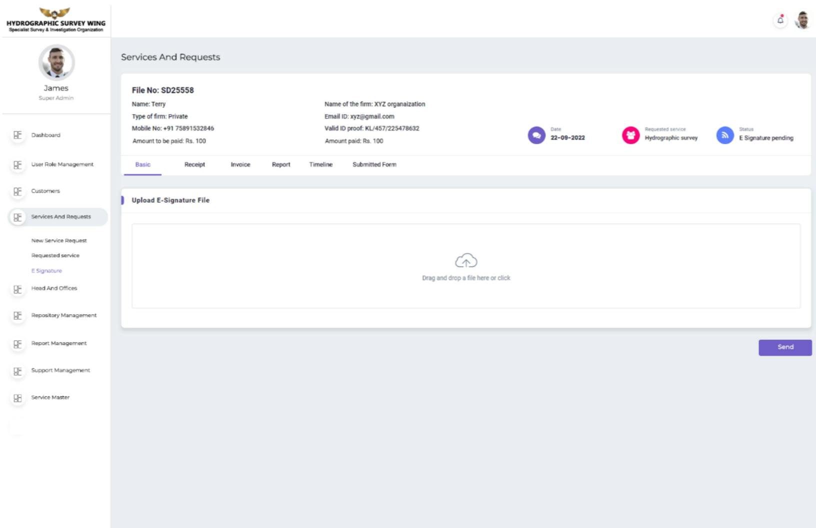
S.No	Attribute	Description
	date	Date of this file added to e signature list
	First name	First name of the customer will display
	Last name	Last name of the customer will display
	Mobile number	Mobile number of the customer will display
	Email id	Email id of the customer will display
	Requested services	Name of the service will display
	Documents / file [actionable point]	Final report from the admin will display

Page attributes

S.No	Attribute	Description
	report	Will display the report
	verify	Button to mark the report as verified

8.1.6 E- signature Individual Page Details

Users need to upload the signature given file , once the user uploads the file, can send the file to the customer by clicking the send button. Customers will be receiving the report in their account web module also, email notification will be sent.



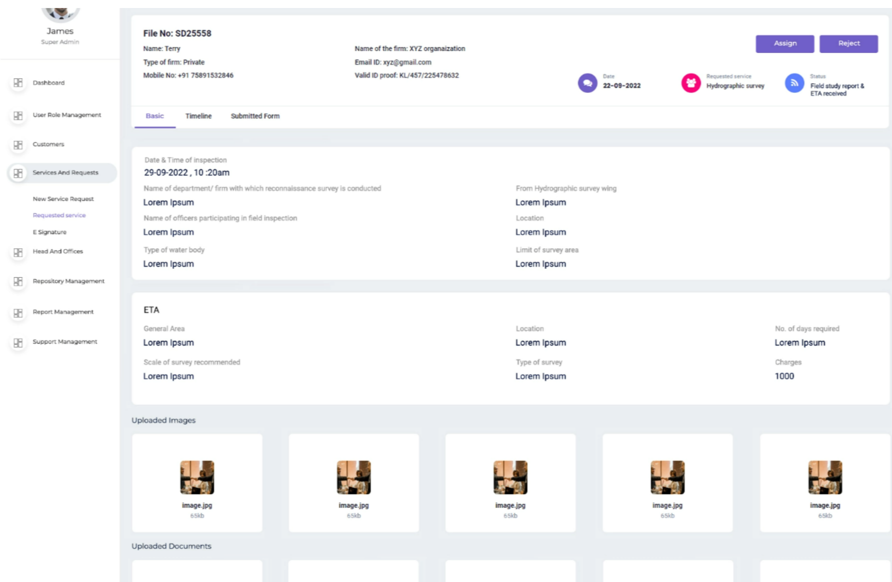
E signature individual page details

S.No	Attribute	Description
	Basic details	Customer name, file number, last name, requested service name
	File / document upload function	E signature given file needs to upload.
	Send report to customer and save file in repository	Button to send notification and to add the e signature generated file to the repository, linked confirmation page. Once the report send, CH will be notified .

9 Deputy hydrographer

9.1.1 Service - field study report with ETA received

Users will receive the Field study report including ETA from marine surveyor , users can reject the report if it seems need more clarity. Users need to verify the report to send the report to super admin (CH). Once the user verifies the report , CH will be notified. Users can add remarks on the report received.

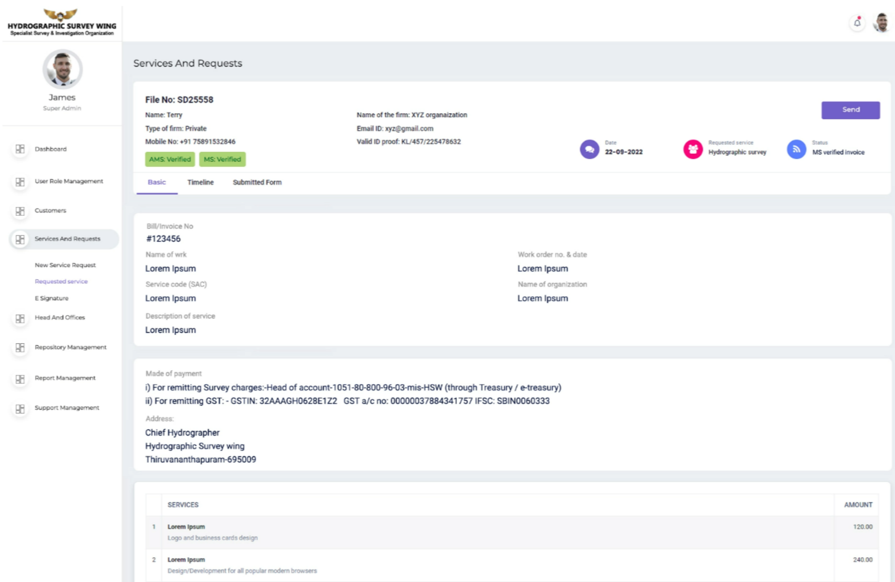


Page attributes

S.No	Attribute	Description
	report	Will display the report
	Reject	Button to re assign the surveyor
	verify	Button to mark the report as verified

9.1.2 Invoice verified by Admin (name)

Users will receive the invoice prepared by draftsman, user under the hierarchy needs to verify, once the DH receives the invoice user can either reject or mark as verified. Once the invoice is rejected, the person who created the invoice will receive the re assignment. If the user marked as verified the CH will be notified.

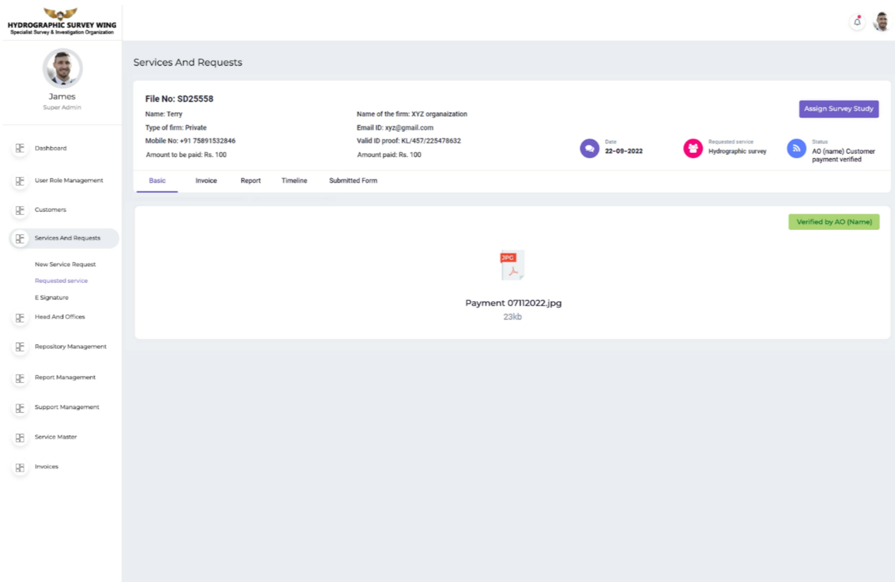


Page attributes :

S.No	Attribute	Description
	Verified status	verified status will display
	Verify	Button to mark the invoice as verified

9.1.3 Service - Accounts officer verified the receipt

Users will be notified once the customer submits the receipt and accounts officer verified. Once the user receives the notification, the user needs to mark it verified from his part and once it's marked as verified, CH (super admin) will be notified as DH verified the receipt.

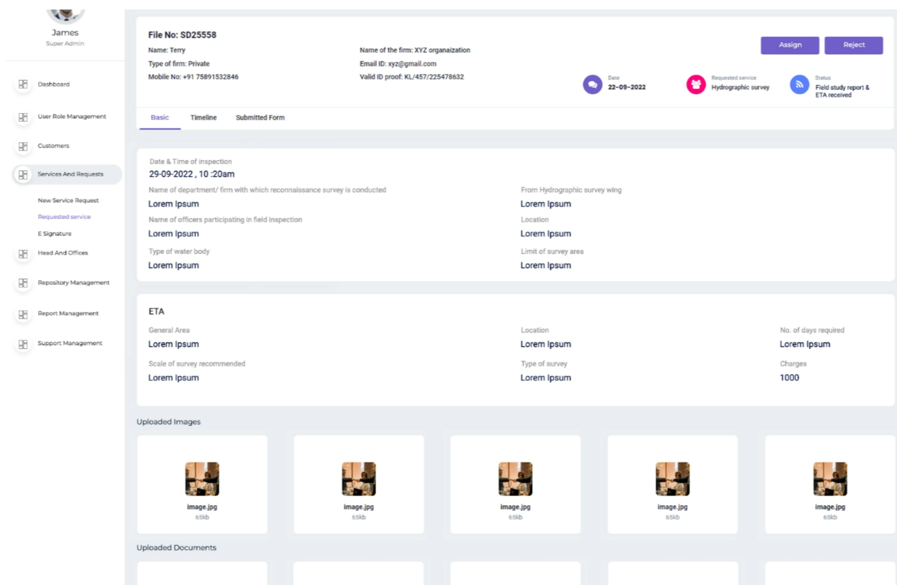


Page attributes :

S.No	Attribute	Description
	Verified status	verified status will display
	Verify	Button to mark the invoice as verified

9.1.4 Assistant cartographer verified the survey report

Users will be notified once the Assistant cartographer verified the survey report . Once the user receives the notification, the user needs to mark it verified from his part and once it's marked as verified, CH (super admin) will be notified as DH verified the survey report.



Page attributes:

S.No	Attribute	Description
	Verified status	verified status will display
	Verify	Button to mark the invoice as verified
	Reject	Button to revoke the report to surveyor with remarks