

User Manual for CollabDDS Online Radiological Services (CORS)

FOR END USERS

National Informatics Centre

Ministry of Electronics and Information Technology | Government of India

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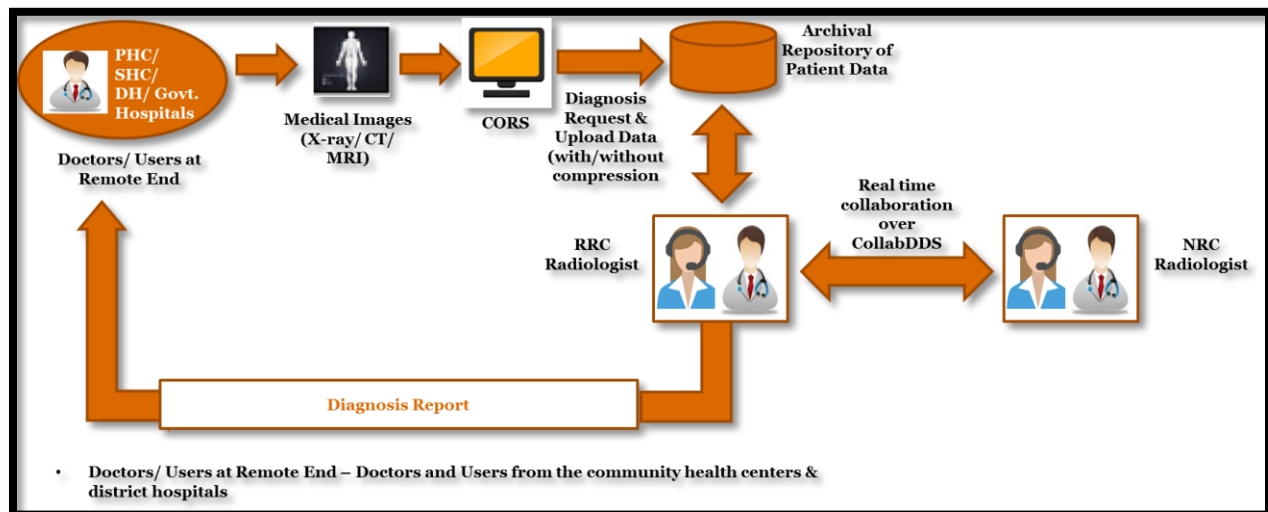
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High Level Workflow in CORS

Scenario 1: Each End user (District Hospital/CHC/PHC) would be mapped to corresponding RRCs. End User needs to upload cases and it will be automatically assigned to corresponding RRC. The radiologist at RRC would review the diagnosis and upload report for the case.

Scenario 2: If Radiologist at RRC wants to discuss some complex case with the Radiologist at NRC, then he/she can forward the case to NRC for further collaborative discussion using CollabDDS. The Radiologist would then generate/upload the report for the case which is available to end user.

Scenario 3: Escalation of cases by PMU from RRC to NRC in case there is an overload of cases or Radiologist is on leave.



Instructions to End Users

End users are Doctors from District Hospitals/Community Health Centre (CHC)/ Primary health Centre (PHC). End Users credentials are created by PMU. The username along with a password set link is mailed to their respective mail-IDs. User needs to create his/her password using this link.

Steps for logging into CORs


Step I Logging into CORs – End users need to enter username and password. The Captcha is also to be entered. This Captcha is case sensitive.


User Manual for CORS - End Users



Username

Password



Refresh Image 

[Forgot Password?](#)

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Figure 1: Login

Step II Dashboard – After logging in, Dashboard will appear which gives a count of Total, Pending and Completed cases. List of Pending cases will be displayed with the following details:-

1. Case ID
2. Patient ID
3. Name of the hospital that will review the case
4. Requested Date
5. Status of the case

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The Manage option allows user to edit the case if required.

Home Patients Request Archive Profile Logout

PHC DELHI USER [User]

2

Total Cases

2

Pending Cases

0

Completed Cases

List of All Pending Cases

Show 5 entries Excel Search:

Case ID	CORS ID	Reviewing Hospital	Requested Date	Status	Manage
CASE00001	CORS00000000007	AIIMS Delhi	02-07-2018	Pending	
CASE00003	CORS00000000007	AIIMS Delhi	23-07-2018	Pending	

Showing 1 to 2 of 2 entries Previous 1 Next

Figure 2: Dashboard

Patients Menu

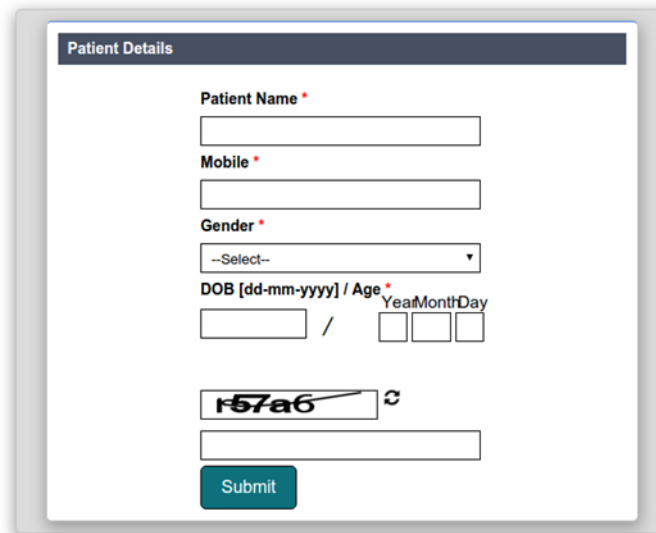
There are two options available in “Patients” menu – New Registration and Search.



Figure 3: Patients Menu

New Registration

User can register a new Patient by entering the basic patient details. This will generate a unique CORS Patient ID for that patient.



The screenshot shows a 'Patient Details' form with the following fields and controls:

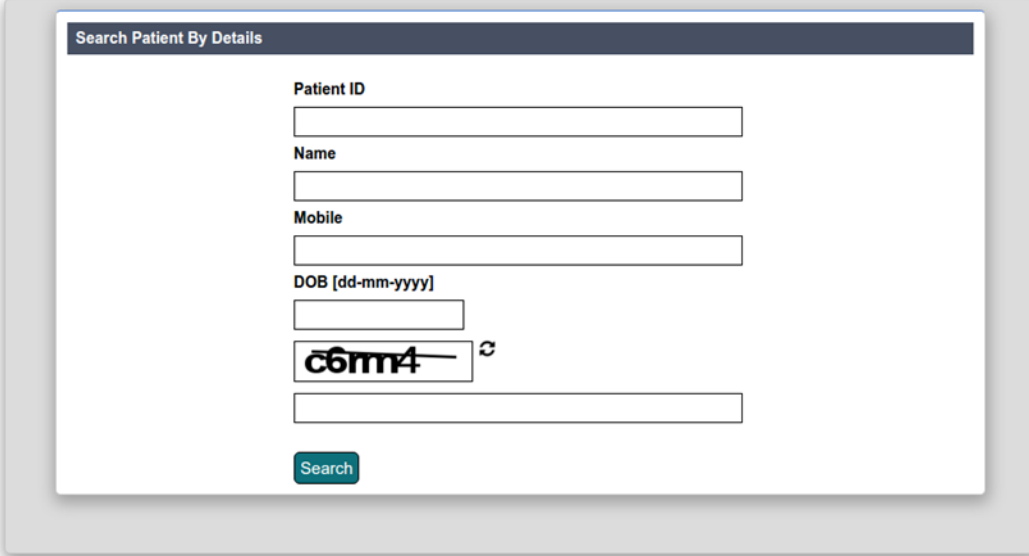
- Patient Name ***: A text input field.
- Mobile ***: A text input field.
- Gender ***: A dropdown menu with the option '--Select--'.
- DOB [dd-mm-yyyy] / Age ***: A date input field followed by a slash and three separate input boxes for Year, Month, and Day.
- Verification Code**: A text input field containing the code 'r57a6' and a refresh icon.
- Submit**: A blue button.

Figure 4: New Patient Registration

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Search

Step I User can search a particular Patient already registered by entering one or more fields.



The screenshot shows a web form titled "Search Patient By Details". It contains the following fields and elements:

- Patient ID**: An empty text input field.
- Name**: An empty text input field.
- Mobile**: An empty text input field.
- DOB [dd-mm-yyyy]**: A date input field with a small calendar icon.
- Search**: A blue button with white text.

Figure 5: Search Patient

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Step II Search will generate list of all patients which fulfils the search criteria mentioned in Step I.


Search Patient By Details

Patient ID

Name

Mobile

DOB [dd-mm-yyyy]



List of Patient for the search criteria

Show 5 entries Search:

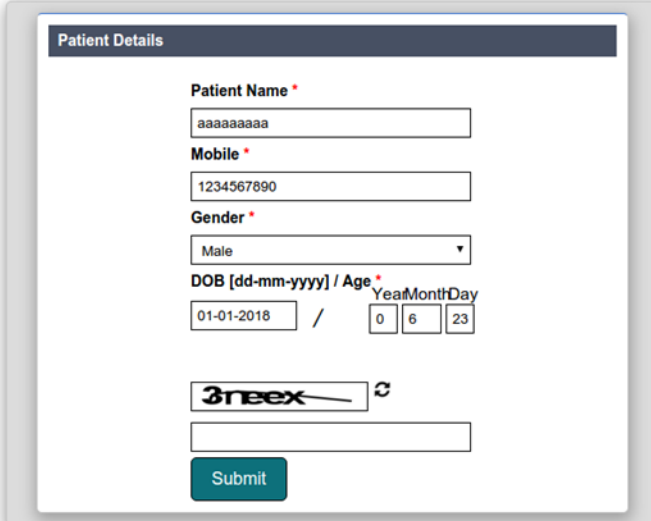
SrNo	ID	Name	Mobile	Gender	Action
1	CORS0000000001	aaaaaaaa	12xxxxx90	Male	<input type="button" value="Update"/> <input type="button" value="Cases"/> <input type="button" value="Request"/>

Showing 1 to 1 of 1 entries Previous 1 Next

Figure 6: Patient List

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Step III User can update the Patient details of a particular patient by clicking on “**Update**” button against that patient.



The screenshot shows a web form titled "Patient Details". The form contains the following fields and controls:

- Patient Name ***: A text input field containing "aaaaaaaa".
- Mobile ***: A text input field containing "1234567890".
- Gender ***: A dropdown menu with "Male" selected.
- DOB [dd-mm-yyyy] / Age ***: A date input field containing "01-01-2018" followed by a slash and three separate input boxes for Year (0), Month (6), and Day (23).
- A text input field containing "3neex" with a refresh icon to its right.
- A text input field that is currently empty.
- A blue "Submit" button.

Figure 7: Update Patient Details

User Manual for CORS - End Users

Step IV User can see the list of all the completed cases for a particular patient by clicking on “**Cases**” button against that patient.


Search Patient By Details

Patient ID

Name

Mobile

DOB [dd-mm-yyyy]



[Search](#)

List of Patients

Show 5 entries Search:

SrNo	ID	Name	Mobile	Gender	Registered Hospital	Action
1	CORS0000000001	MRIDU AAAAA	45xxxxxx54	Male		Update Cases Request

Showing 1 to 1 of 1 entries Previous 1 Next

List of Completed Cases for Selected patient



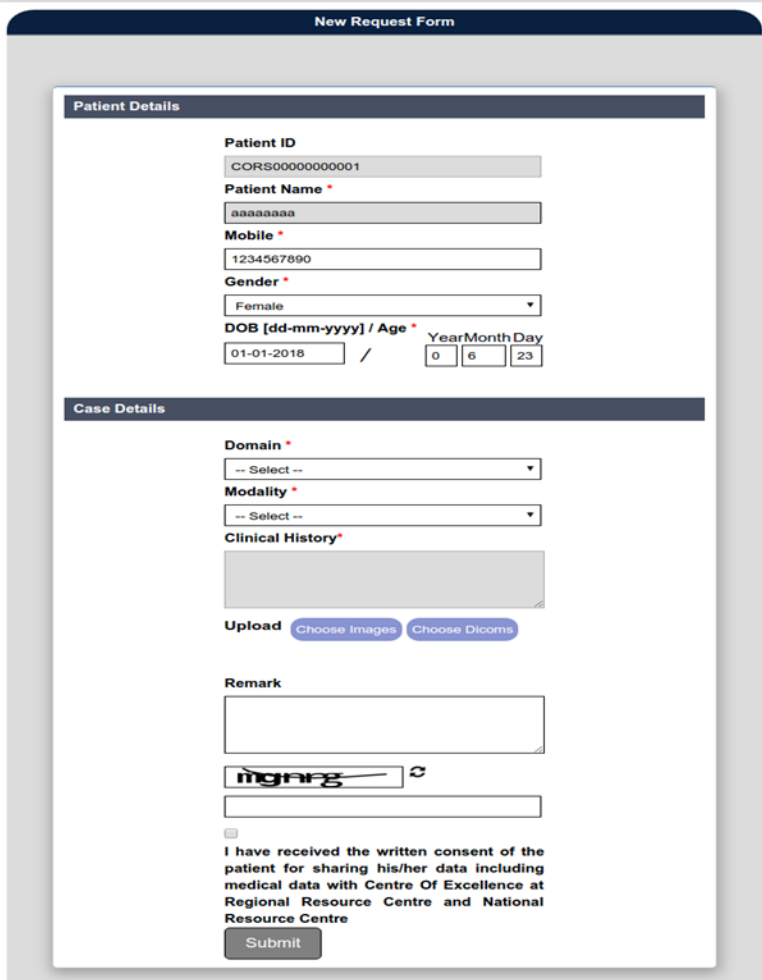
Case ID	Reviewing Hospital	Date Of Request	Date Of Completion	Report
CASE00001	AIIMS Delhi	02-07-2018	13-07-2018	
CASE00003	AIIMS Delhi	13-07-2018	13-07-2018	

Figure 8: Case List

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Step V User can request for a new case for diagnosis by the reviewing hospital for a particular patient by clicking on **“Request”** button against that patient.



New Request Form

Patient Details

Patient ID
CORS00000000001

Patient Name *
aaaaaaa

Mobile *
1234567890

Gender *
Female

DOB [dd-mm-yyyy] / Age * YearMonthDay
01-01-2018 / 0 6 23

Case Details

Domain *
-- Select --

Modality *
-- Select --

Clinical History *

Upload [Choose Images](#) [Choose Dicom](#)

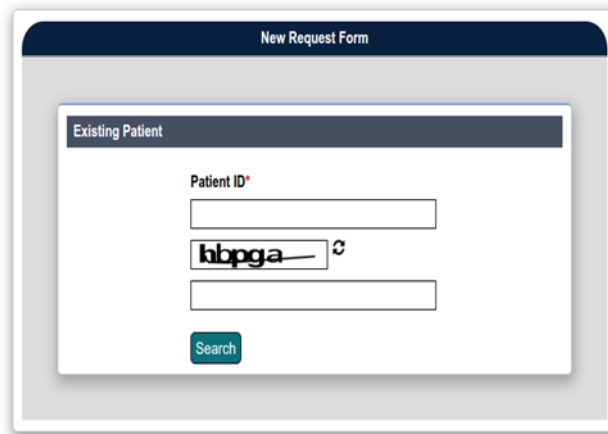
Remark

I have received the written consent of the patient for sharing his/her data including medical data with Centre Of Excellence at Regional Resource Centre and National Resource Centre

Figure 9: New Case Request through Search option

Steps for raising diagnosis request to the radiologist

Step I User can request for diagnosis of a case of an existing patient by clicking on “**Request**” menu and entering the CORS Patient ID. All the details of the patient will be auto filled. User then needs to enter the case details, upload image and DICOM Data, adds remarks related to case. Fields marked with ‘*’ are mandatory to be filled.



The screenshot shows a web form titled "New Request Form" with a sub-section for "Existing Patient". It contains a "Patient ID*" field, a captcha field with the text "hbpga", and a "Search" button.

Figure 10: New Case Request

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New Request Form

Patient Details

Patient ID
CORS00000000001

Patient Name *
aaaaaaaa

Mobile *
1234567890

Gender *
Female

DOB [dd-mm-yyyy] / Age * YearMonthDay
01-01-2018 / 0 6 23

Case Details

Domain *
-- Select --

Modality *
-- Select --

Clinical History*

Upload [Choose Images](#) [Choose Dicom](#)

Remark

I have received the written consent of the patient for sharing his/her data including medical data with Centre Of Excellence at Regional Resource Centre and National Resource Centre

Figure 11: Case Details

Note: - The user needs to receive a written consent from the patient regarding sharing of patient data.

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Step II By clicking on **“Choose Image”** under **“Upload”** section, a dialog box will appear for the purpose of uploading images. In case of images, the application accepts only .jpeg, .png, .bmp, .tiff and .zip format files. By clicking on **“Upload”** after choosing the files, all the files will be uploaded to the server and list of uploaded images will be shown to the user.

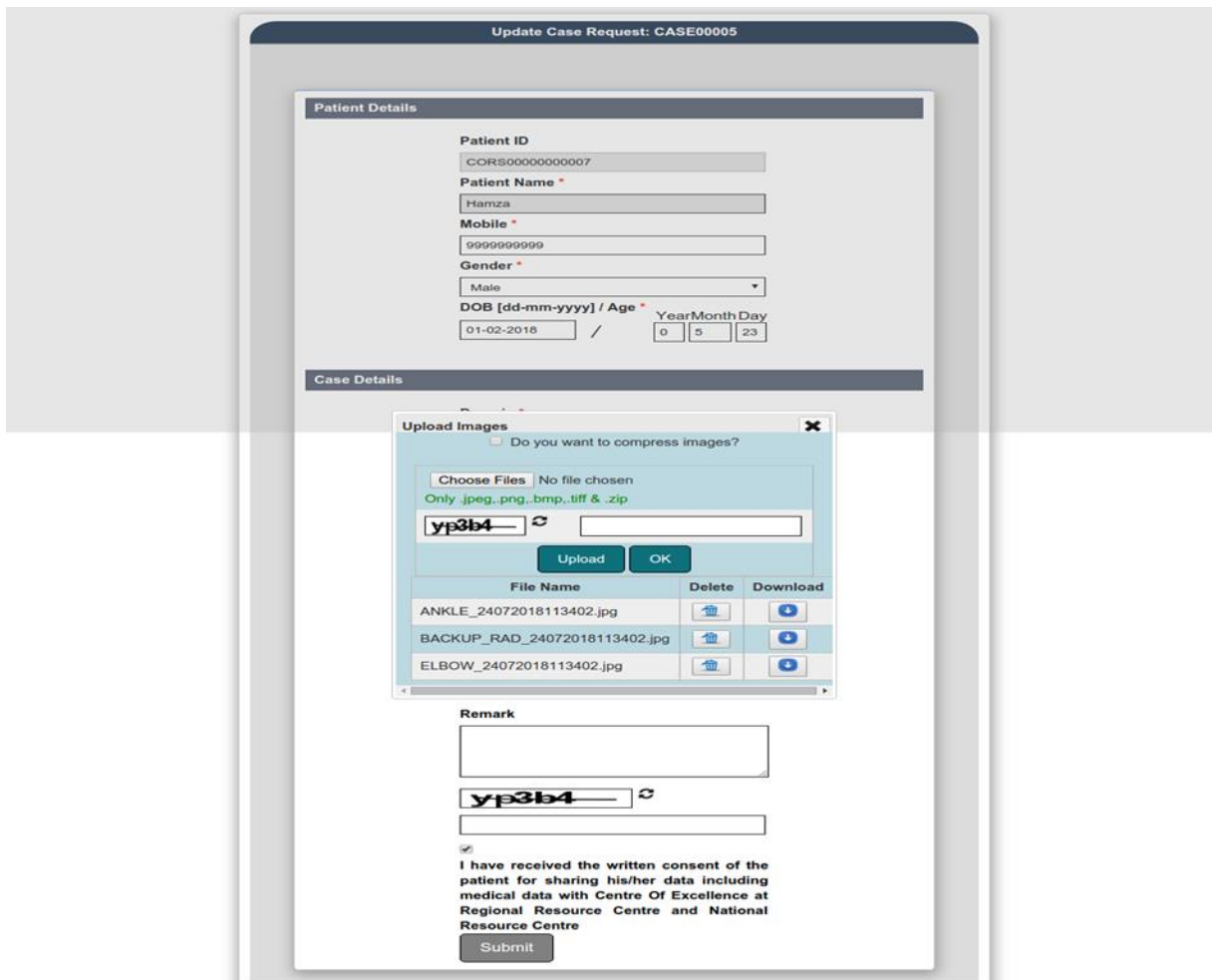
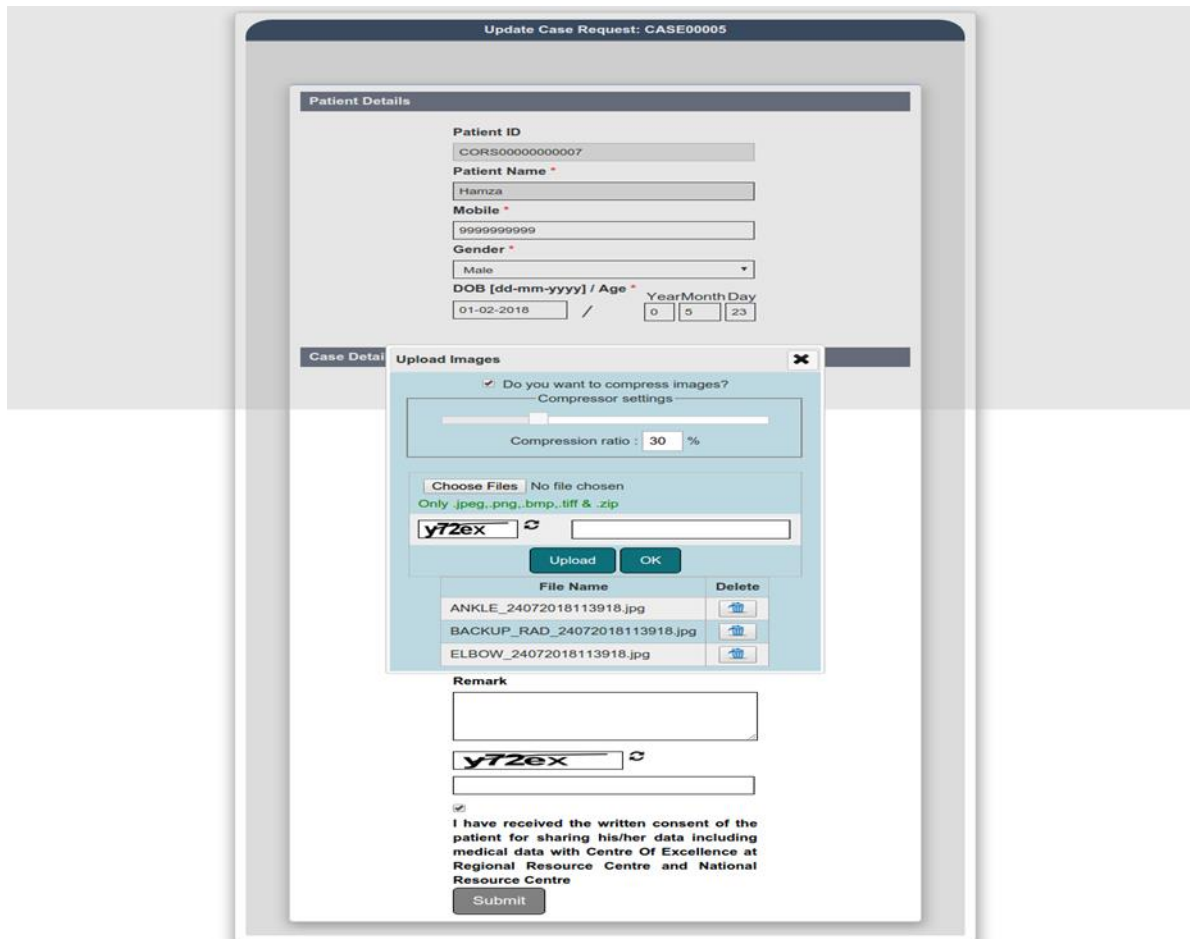


Figure 12: Uploading images

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Step III User can compress the image by selecting the corresponding checkbox. An option to set the compression size appears. By setting the compression ratio to 30%, the size will reduce by 30 units, i.e., if size of the image is 100 MB then it will be reduced to 70 MB.



The screenshot displays the 'Update Case Request: CASE00005' interface. It features a 'Patient Details' section with fields for Patient ID (CORS00000000007), Patient Name (Hamza), Mobile (9999999999), Gender (Male), and DOB (01-02-2018). Below this is the 'Case Detail' section, which includes an 'Upload Images' dialog box. The dialog box has a checked checkbox for 'Do you want to compress images?' and a 'Compressor settings' section with a slider set to 30%. It also shows a file upload area with a 'Choose Files' button, a file list containing 'ANKLE_24072018113918.jpg', 'BACKUP_RAD_24072018113918.jpg', and 'ELBOW_24072018113918.jpg', and a 'Remark' field. A 'Submit' button is located at the bottom of the dialog.

Figure 13: Upload image in case of Compression

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Step IV By clicking on “**Choose DICOM**” under “**Upload**” section, a dialog box will appear for the purpose of uploading DICOM data. In case of DICOM, the application accepts .dcm or .zip format. By clicking on “**Upload**” after choosing the files, all the files will be uploaded to the server and list of DICOM will be shown to the user.

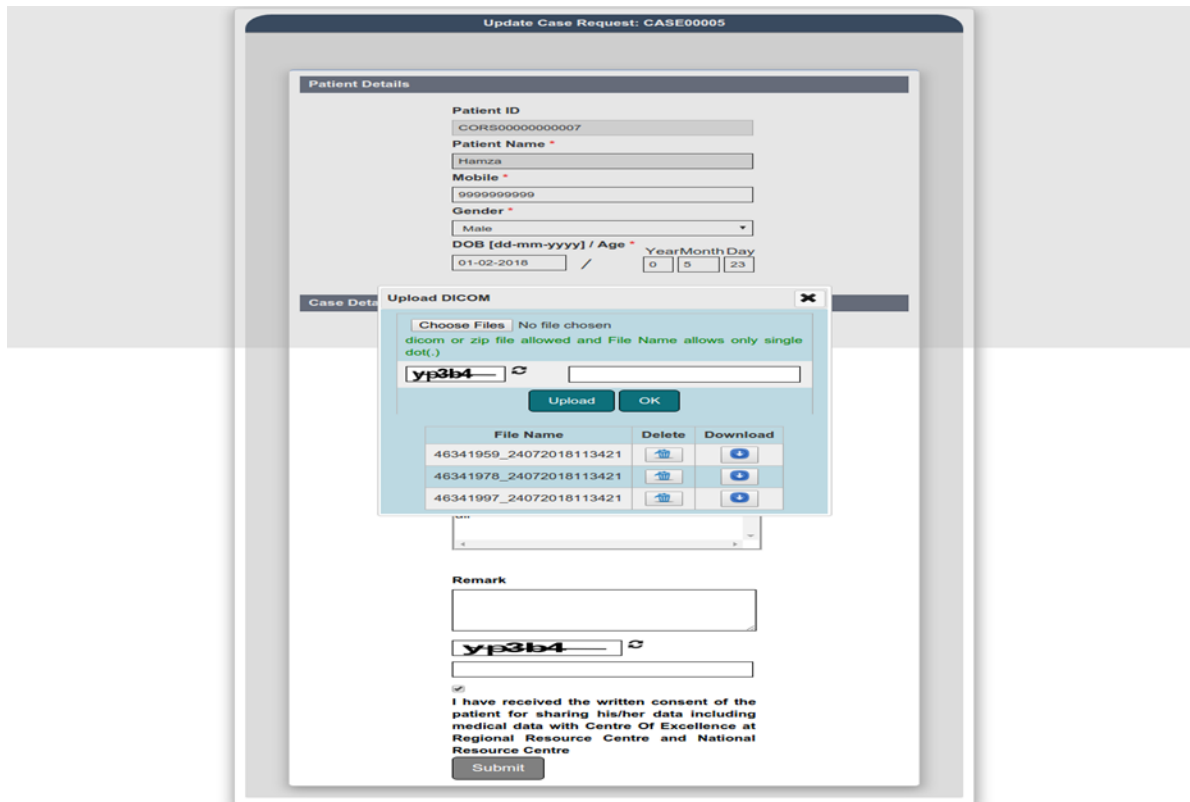
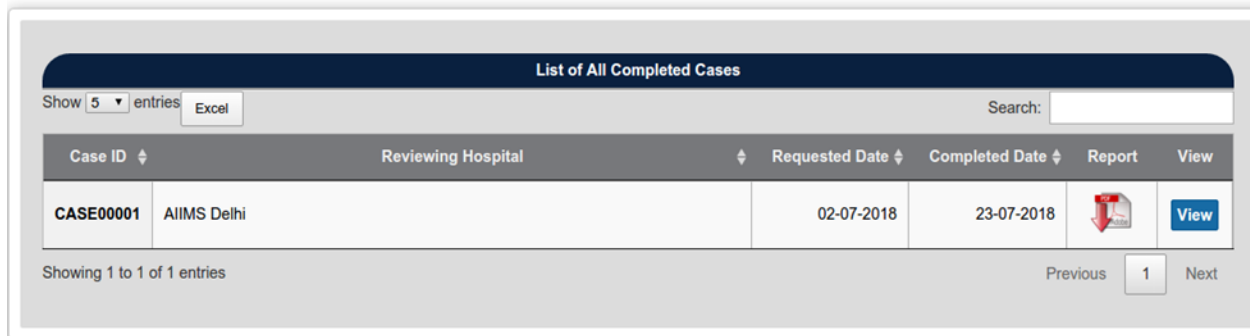



Figure 14: Uploading Dicoms

Steps for viewing Archived/Completed cases

Step I Cases which are completed will be available in the “**Archive**” menu.



Case ID	Reviewing Hospital	Requested Date	Completed Date	Report	View
CASE00001	AIIMS Delhi	02-07-2018	23-07-2018		View

Showing 1 to 1 of 1 entries

Previous **1** Next

Figure 15: Archived cases

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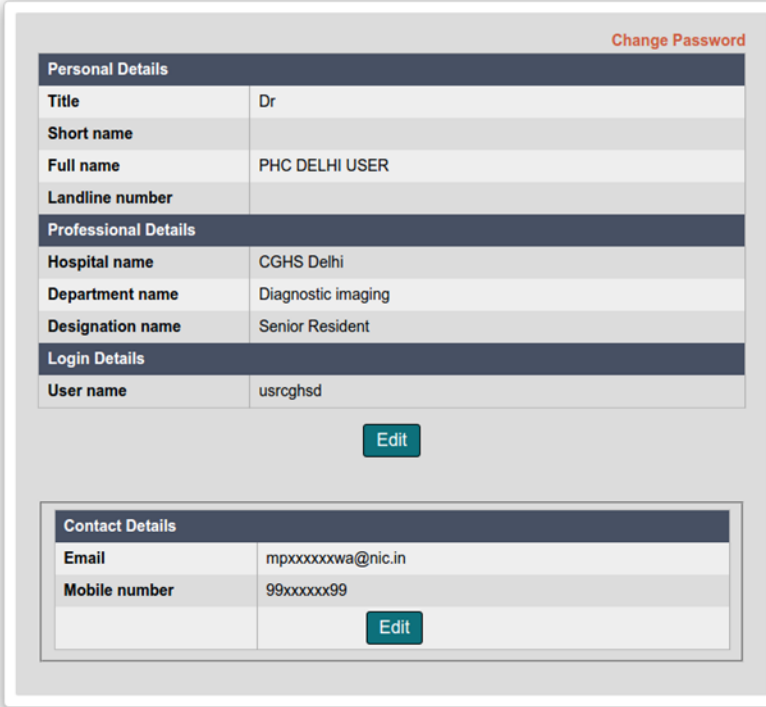
Step II User can download the generated report and also view complete details for archived cases.

Details of Completed Case	
Case ID	CASE00001
Reviewer Hospital	AIIMS Delhi
Reviewer Doctor	RRC AIIMS Radiologist
Requested Date	02-07-2018
Completed Date	23-07-2018
Domain	Dental
Modality	Scanned X- Ray
Patient ID	CORS0000000001
Patient Name	aaaaaaaa
Patient Age	6 Months, 22 Days
Gender	Male
Clinical History	dd
Case File	Image 
	Dicom 
Report File	
Status	Complete

Figure 16: Archived Case Details

Steps for managing profile and logging out on CORS

Step I User can manage his/her profile details by clicking on “Edit” button in the Profile menu.



[Change Password](#)

Personal Details	
Title	Dr
Short name	
Full name	PHC DELHI USER
Landline number	

Professional Details	
Hospital name	CGHS Delhi
Department name	Diagnostic imaging
Designation name	Senior Resident

Login Details	
User name	usrcghsd

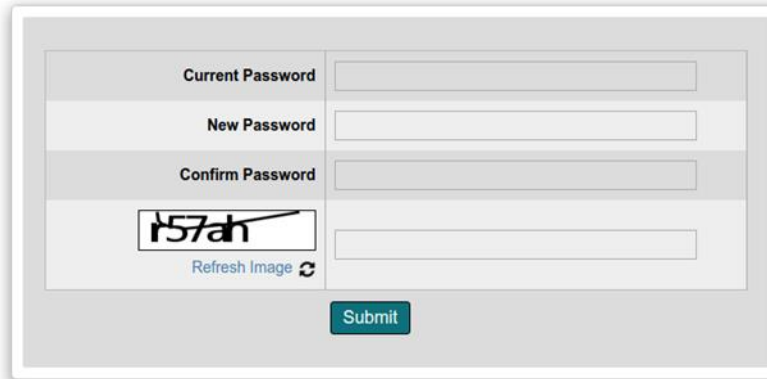
[Edit](#)

Contact Details	
Email	mpxxxxxwa@nic.in
Mobile number	99xxxxxx99

[Edit](#)

Figure 17: Edit Profile

Step II On clicking “**Change Password**” link, user can also change the password.



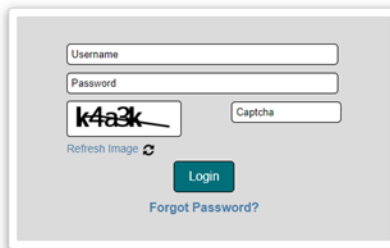
The screenshot shows a web form for changing a password. It contains four input fields: 'Current Password', 'New Password', 'Confirm Password', and a CAPTCHA field. The CAPTCHA field displays the text 'r57ah' and includes a 'Refresh Image' link with a circular arrow icon. A 'Submit' button is located at the bottom center of the form.

Figure 18: Change Password

Step III Users can logout from CORS on clicking “**Logout**” from the menu b

Instructions to Reset Password

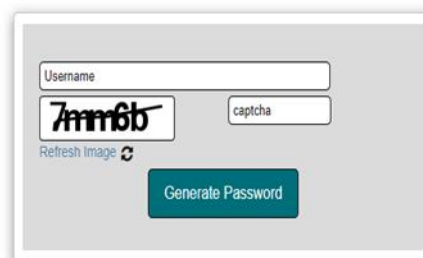
Step I If user forgets password then he/she can regenerate the password by clicking on “Forget Password” Link on login page.



A screenshot of the login page. It features a 'Username' input field, a 'Password' input field, a 'k4a2k' captcha image with a 'Refresh Image' link and a circular arrow icon, and a 'captcha' input field. Below these fields are a teal 'Login' button and a blue 'Forgot Password?' link.

Figure 19: Forgot Password

Step II On clicking Forgot Password link, dialog box will appear wherein user needs to provide username. It will send a link to registered email ID of user.

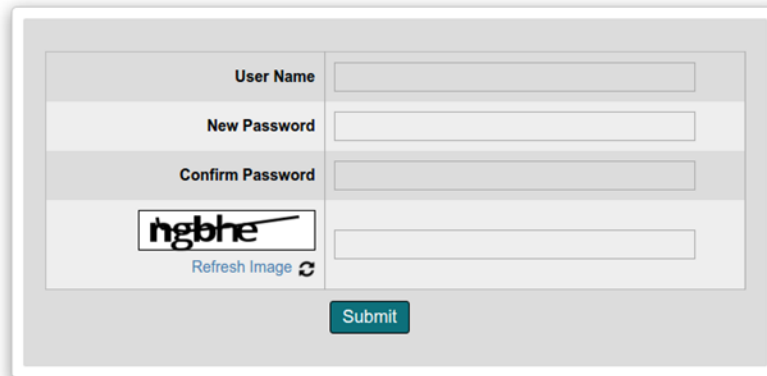


A screenshot of the 'Generate Password' dialog box. It features a 'Username' input field, a '7mm6b' captcha image with a 'Refresh Image' link and a circular arrow icon, and a 'captcha' input field. Below these fields is a teal 'Generate Password' button.

Figure 20: Generate Password

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Step III By clicking on the link shared in email, reset password page will be opened. User needs to enter the required details and click on “Submit” button. After successful validation, new password is set for the user.



The screenshot shows a web form for resetting a password. It contains the following elements:

- User Name**: A text input field.
- New Password**: A text input field.
- Confirm Password**: A text input field.
- ngbhe**: A CAPTCHA image with a checkmark.
- Refresh Image**: A link with a circular arrow icon to refresh the CAPTCHA.
- Submit**: A teal button at the bottom right.

Figure 21: Reset Password