

User Manual for CollabDDS Online Radiological Services (CORS)

Radiologists at NRC

National Informatics Centre

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Document Revision History Table

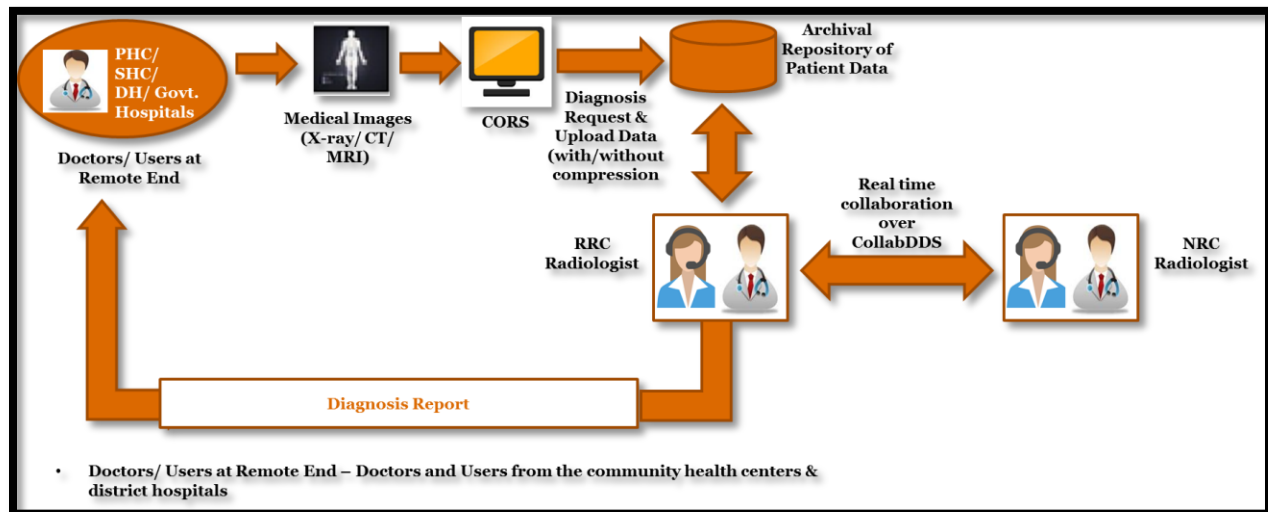
S No.	Version	Initiated/Revision Date	Revision Description, if any
1	1.0	27-09-2017	
2	2.0	19-07-2018	

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.



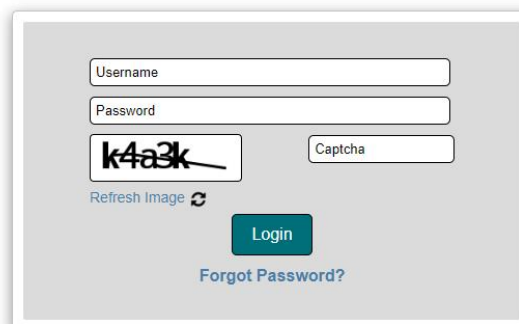
Instructions to Radiologist at NRC

The Radiologist at NRC has two roles:-

1. Real Time Collaboration using Collaboration to discuss cases forwarded by RRC
2. Reviewing the escalated cases by PMU

Radiologist user 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.

Logging into CORS – Radiologists need to enter username and password. The Captcha is also to be entered. This Captcha is case sensitive.



The screenshot shows a login form with the following elements:

- Username input field
- Password input field
- Captcha image showing the text 'k4a3k' with a mouse cursor pointing to it.
- Captcha input field
- Refresh Image button with a circular arrow icon
- Login button
- Forgot Password? link

Home Page – After logging, Dashboard will appear which gives a count of all type of cases registered with his account.

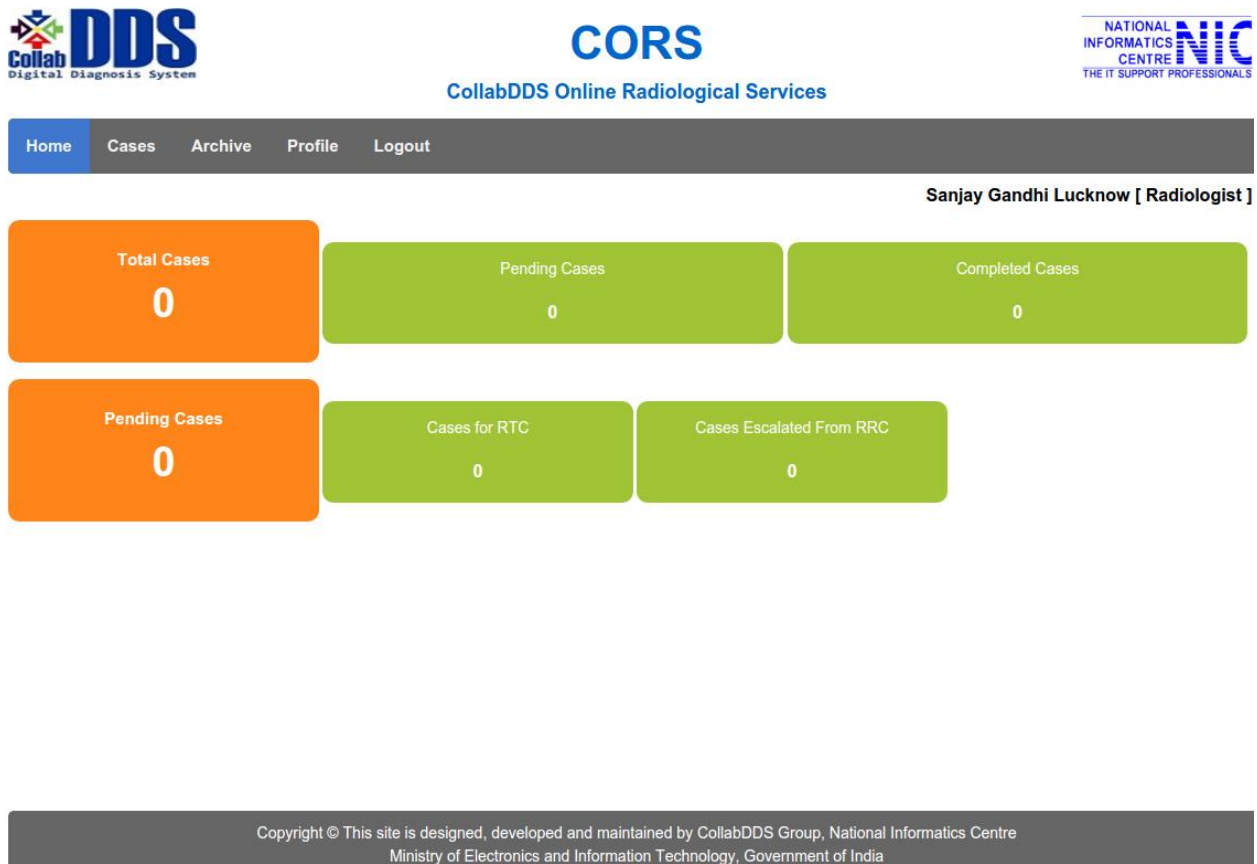




Figure 2: Dashboard


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Cases Menu – This menu will list the cases which are pending for Review. There can be three lists:-

1. Cases for Real Time Collaboration with RRC
2. Cases Escalated to NRC from RRC by PMU

Cases For Real Time Collaboration						
Show	5	entries	Excel	Search: <input type="text"/>		
Case ID	Forwarding Doctor	Forwarding Date	Session Date	Request Status	Forwarded Status	Review
CASE00003	Postgraduate Chandigarh RRC	02-05-2018	05-05-2018 (09:15 - 10:00)	Pending	Complete	
CASE00006	Postgraduate Chandigarh RRC	04-05-2018	05-05-2018 (09:00 - 10:00)	Pending	Pending	

Showing 1 to 2 of 2 entries Previous Next

Cases Escalated from RRC						
Show	5	entries	Excel	Search: <input type="text"/>		
Case ID	Requesting Hospital	Escalating Hospital	Requested Date	Escalation Date	Status	Review
CASE00005	Dr Rajendra Prasad Medical College	Postgraduate Chandigarh	02-05-2018	02-05-2018	Pending	

Showing 1 to 1 of 1 entries Previous Next

Figure 3: Case Listing

Steps for diagnosis of cases forwarded by Radiologists at RRC for Real Time Collaboration


Step I Critical/Complex cases forwarded by radiologist from RRC are viewed under “Cases for Real Time Collaboration” header. If NRC radiologist is not available on the suggested date and time given by RRC radiologist then NRC radiologist can choose the option of “Reschedule” status, put remarks accordingly and click on “Submit” for rescheduling the session by RRC.

Home Cases Archive Profile Logout

RAD Sanjay Gandhi NRC [Radiologist]

Details for Real Time Collaboration case forwarded by RRC

Case ID	CASE00009
Requesting Hospital	ABCD
Requesting Doctor	ABCD
Department Name	Anesthesiology
Requested Date	06-06-2018
Forwarding Hospital	Postgraduate Chandigarh
Forwarding Doctor	RAD Postgraduate RRC
Forwarded Date	11-07-2018
Session Date	11-07-2018 (08:00 - 09:00)
Completion Date by Reviewer	Not Completed
Final Completed Date	Not Completed
Domain	Abdomen
Modality	Clinical Photographs
Patient ID	CORS0000000011
Patient Name	Vishal
Patient Age	4 Months, 16 Days
Gender	Male
Clinical History	<input type="text" value="vishal"/>
Status	<input type="text" value="Reschedule"/>
Remarks	<input type="text"/>


Refresh Image

Required Field

Figure 4: Request for rescheduling

Step II If radiologist agrees with session date and time then he/she can change the status to Approve and Submit.

Home Cases Archive Profile Logout

RAD Sanjay Gandhi NRC [Radiologist]

Details for Real Time Collaboration case forwarded by RRC


Case ID	CASE00009
Requesting Hospital	ABCD
Requesting Doctor	ABCD
Department Name	Anesthesiology
Requested Date	06-06-2018
Forwarding Hospital	Postgraduate Chandigarh
Forwarding Doctor	RAD Postgraduate RRC
Forwarded Date	11-07-2018
Session Date	11-07-2018 (08:00 - 09:00)
Completion Date by Reviewer	Not Completed
Final Completed Date	Not Completed
Domain	Abdomen
Modality	Clinical Photographs
Patient ID	CORS0000000011
Patient Name	Vishal
Patient Age	4 Months, 16 Days
Gender	Male
Clinical History	<input type="text" value="vishal"/>
Status	Approve <input type="button" value="v"/>
Remarks	<input type="text" value="Remarks"/>
	<input type="text" value=""/>
Refresh Image	Required Field

Figure 5: Approving the Session

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Step III After the real time collaboration session is done between the Radiologist at NRC and RRC on scheduled date and time, the radiologist at NRC needs to enter his/her diagnosis in Remarks section change the status to “Complete”. He can then click on Submit button to proceed.

Home
Cases
Archive
Profile
Logout

NRC RAD Sanjay Gandhi [Radiologist]

Details for Real Time Collaboration case forwarded by RRC





Case ID	CASE00005
Requesting Hospital	Dr Rajendra Prasad Medical College
Requesting Doctor	MED Dr Rajendra Prasad
Department Name	Oral & Maxillofacial Surgery
Requested Date	28-05-2018
Forwarding Hospital	Postgraduate Chandigarh
Forwarding Doctor	RRC RAD Postgraduate
Forwarded Date	28-05-2018
Session Date	28-05-2018 (08:00 - 09:00)
Completion Date by Reviewer	Not Completed
Final Completed Date	Not Completed
Domain	Head and Neck
Modality	Digital X- Ray
Patient ID	CORS00000000005
Patient Name	Raju Kumar
Patient Age	19 yrs,4 months,13 days
Gender	Male
Clinical History	<input type="text" value="Raju Kumar Clinical History"/>
Case File	<div style="display: flex; gap: 10px;"> <div style="text-align: center;">  Image </div> <div style="text-align: center;">  Dicom </div> </div>
Status	<div style="border: 1px solid #ccc; padding: 2px;"> Complete </div>
Old Remarks	<div style="border: 1px solid #ccc; padding: 5px;"> <p>Doctor Name: RRC RAD Postgraduate Date & Time: 28-05-2018 16:53:24 - Case00005 is forward</p> </div>
Remarks	<div style="border: 1px solid #ccc; padding: 5px;"> <input style="width: 100%; height: 20px;" type="text" value="Remarks"/> </div>
<div style="display: flex; justify-content: space-between; align-items: center;"> <div style="border: 1px solid #ccc; padding: 2px;">  </div> <div style="text-align: center;"> <input style="width: 150px; height: 20px;" type="text"/> </div> </div> <div style="margin-top: 5px;"> Refresh Image  </div>	
<div style="background-color: #007bff; color: white; padding: 5px 15px; border-radius: 5px; display: inline-block;">Submit</div>	

Figure 6: Final Diagnosis by NRC



Steps for diagnosis of cases escalated from RRC by PMU

Step I For reviewing a particular case, Radiologist has to click on “**Review**” icon against that case. Radiologist can see the case details along with the images/DICOM for that case.

Home
Cases
Archive
Profile
Logout

RAD Sanjay Gandhi NRC [Radiologist]

Details for Escalated Case

Case ID	CASE00025
Requesting Hospital	Dr Rajendra Prasad
Requesting Doctor	MED DRPM USER
Department Name	Anesthesiology
Requested Date	19-07-2018
Escalated From Hospital	Postgraduate Chandigarh
Escalated From Doctor	RAD Postgraduate RRC
Escalation Date	19-07-2018
Final Completed Date	Not Completed
Domain	Dental
Modality	Digital X- Ray
Patient ID	CORS00000000002
Patient Name	Raju
Patient Age	2 Months, 19 Days
Gender	Male
Clinical History	<input type="text" value="ali"/>
Case File	
Generate Report	<input type="button" value="Generate Report"/>
Status	<input type="text" value="Pending"/>
Remarks	<input type="text" value="Remarks"/>
	<input type="text"/>


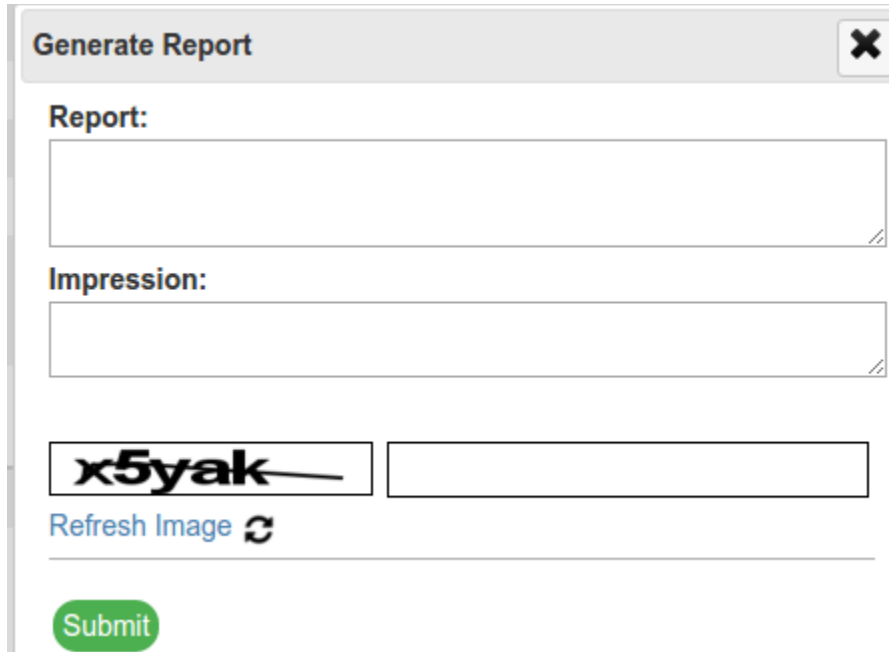
Refresh Image 
Required Field

Figure 7: Escalated Case Details for Reviewing

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Step II On clicking the “**Generate Report**” button, dialog box appears. Radiologist can add report details and impression and click on submit to proceed.



Generate Report [X]

Report:

Impression:

x5yak [Image Placeholder]

Refresh Image [Refresh Icon]

Submit

Figure 8: Generate Report

Step III In case the diagnosis is completed, then radiologist needs to change the status to “Complete” and insert remarks to send the diagnosis report to the end user.

Steps for viewing Archived/Completed cases


Step I Radiologist can view list of archived or completed reviewed cases by clicking on “Archive” Menu. Radiologist can see the case details by clicking on “View” button against that case. He/she can download the images/DICOM for that case. Diagnosis Report can also be viewed/download.

Home Cases **Archive** Profile Logout

Sanjay Gandhi User [Radiologist]

Cases Assigned

Show 5 entries Search:

Case ID	Requesting Hospital	Requested Date	Completed Date	Report	View
CASE00001	Baba Raghav Das Gorakhpur	02-05-2018	02-05-2018		View

Showing 1 to 1 of 1 entries Previous Next

Cases For Real Time Collaboration

Show 5 entries Search:

Case ID	Forwarding Hospital	Forwarded Date	Session Date	Completed Date	View
CASE00004	Postgraduate Chandigarh	02-05-2018	08-05-2018 (08:00 - 08:45)	02-05-2018	View

Showing 1 to 1 of 1 entries Previous Next

Figure 9: Archive Cases

Steps for managing profile and logging out from CORS

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

Home Cases Archive **Profile** Logout

Sanjay Gandhi User [Radiologist]

Change Password

Personal Details	
Title	Dr
Short name	SGPGIL
Full name	Sanjay Gandhi User
Landline number	0120302547
Professional Details	
Hospital name	Sanjay Gandhi Lucknow
Department name	Gastroenterology
Designation name	Professor
Login Details	
User name	radsggil

[Edit](#)

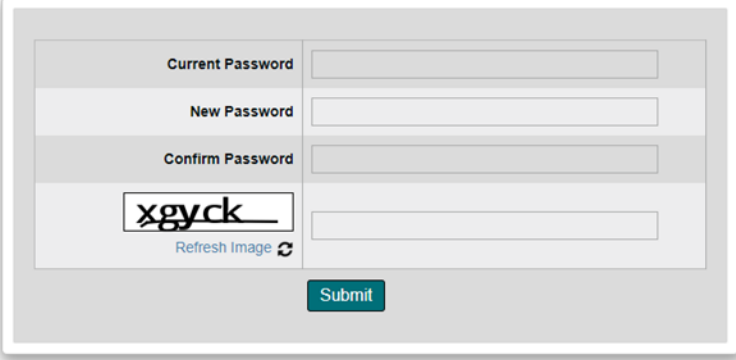
Contact Details	
Email	maxxxxxxi@nic.in
Mobile number	99xxxxxx99

[Edit](#)

Figure 10: Edit Profile

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



The screenshot shows the CORS web interface. At the top, there is a navigation menu with links for Home, Cases, Archive, Profile, and Logout. The Profile link is highlighted. Below the menu, the user is identified as "Sanjay Gandhi User [Radiologist]". The main content area displays a "Change Password" form with the following fields: "Current Password", "New Password", "Confirm Password", and a CAPTCHA image showing the text "xgyck". Below the CAPTCHA is a "Refresh Image" link with a circular arrow icon. A "Submit" button is located at the bottom of the form.

Figure 11: Change Password

Step III Radiologists can logout from CORS on clicking “**Logout**” from the menu bar.

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.

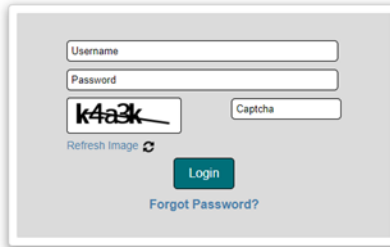
A screenshot of a login form. It features a 'Username' input field, a 'Password' input field, a captcha image showing 'k4a3k', and a 'Refresh Image' link with a circular arrow icon. Below the captcha is a 'Login' button. At the bottom of the form is a link labeled 'Forgot Password?'.

Figure 12: Forgot Password

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

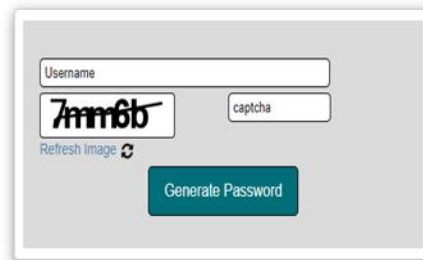
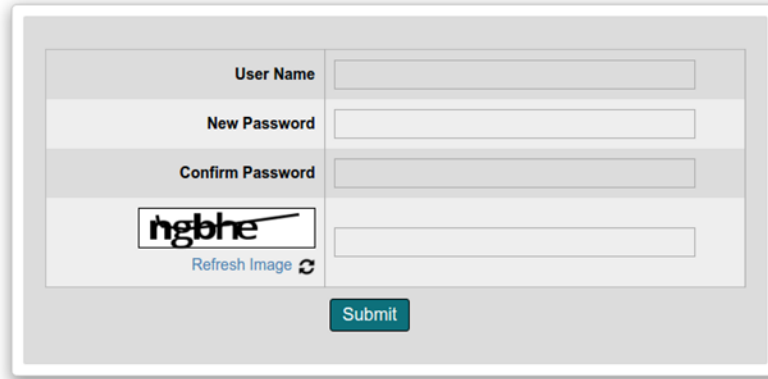
A screenshot of a dialog box for generating a password. It contains a 'Username' input field, a captcha image showing '7mm6b', and a 'Refresh Image' link with a circular arrow icon. Below the captcha is a 'Generate Password' button.

Figure 13: 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 four input fields: 'User Name', 'New Password', 'Confirm Password', and a CAPTCHA field. The CAPTCHA field displays the text 'ngbhe' and a 'Refresh Image' button with a circular arrow icon. A 'Submit' button is located at the bottom right of the form.

Figure 14: Reset Password