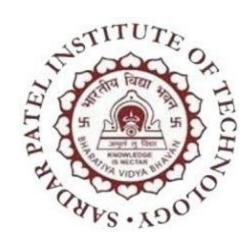
SARDAR PATEL INSTITUTE OF TECHNOLOGY

ANDHERI (WEST), MUMBAI



REIMBURSEMENT OF HOSPITAL BILLS FOR GOVERNMENT EMPLOYEES

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INDEX

SrNo.	Topic	Page No.
1.	Abstract and Tech Stack	3
2.	Features: Homepage	4
3.	Memo Request	10
4.	Reimbursement Form	13
5.	Availability of Medicines	18
6.	Admin Side	19
7.	Conclusion	29

ABSTRACT

The various schemes and facilities provided by the government to the government employees are very beneficial. However, availing these facilities requires a long and tedious process. The facility we focused on is the Central Government Health Scheme (CGHS). This scheme provides comprehensive medical care to the Central Government employees and pensioners enrolled under the scheme. We aim to make a small aspect of this scheme more easily accessible to the employees. We created a website for the central government employees which provides an online form for reimbursement of their hospital bills and for memo requests.

The features of our website are:

- 1) Memo Request Form
- 2) Reimbursement of Bills
- 3) Check Availability of Medicines

TECHNOLOGIES / LANGUAGES USED

- 1) Visual Studio
- 2) XAMPP SERVER
- 3) HTML
- 4) CSS
- 5) BOOTSTRAP
- 6) Javascript
- 7) PHP
- 8) MySQL

FEATURES

INDEX PAGE

- **1] Navigation Bar:** We have created a horizontal navigation bar and it includes the following features :
 - a) **Home:** This is for the homepage of our website.
 - b) **Dashboard:** User is redirected to the official website where the statistical data related to wellness center, card holder, appointments, etc will be displayed.
 - c) Charts: User is redirected to the official website where a graph and pie chart of total number of registrations is displayed.
 - **d) Maps:** User is redirected to the official website where all the government wellness centers in India are displayed on a map.
 - e) **About:** User is redirected to a link that gives all the information regarding the reimbursement form.

2] The three main features :

The three main features are displayed on the frontpage with a login option for each. These three features are connected to a

database named "project" and each features has a table for it in which the data is stored or data is retrieved.

3] User Authentication: This feature allows only employees who have been provided an account to sign in.

We created a database named "user" and in this database we created a table "user_login" in which there are two attributes "email" and "password".

We have used php language for authentication and the user's email address and password is stored at the backend in xampp server.

Snapshot:

Splash Screen



Government Health and Wellness Center

Ministry Of Health & Family Welfare

Book Appointment Date & Time with your Doctor at CGHS Wellness Centre | 24X7 National CGHS Helpline Toll Free Number 1800-208-8900 | Book Appointment Date & Time wi

Home 🕋

Dashboard Charts Map About

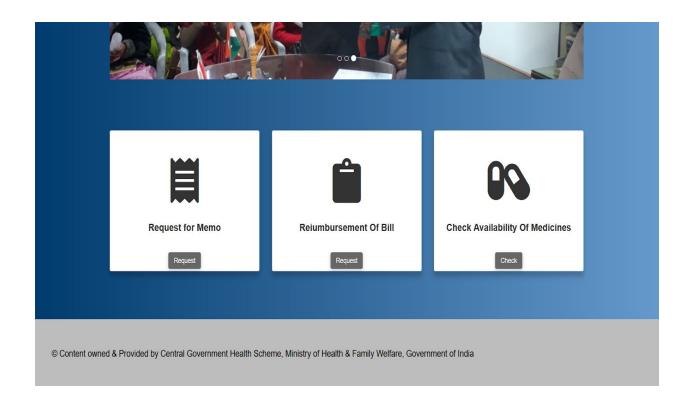


Home 🗥

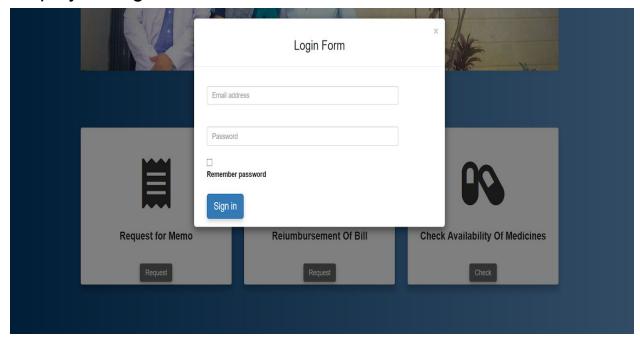
Dashboard Charts

Map About





Employee Login



User_login table in database

email	password
rishitamote@gmail.com	rishi123
admin@gmail.com	admin1234
shivangi.kochrekar@spit.ac.in	1234
higherauth@gmail.com	1234

User Authentication Code

```
<?php
 $connection=mysqli_connect('localhost','root','');
 $db=mysqli_select_db($connection,'user');
 if(isset($ REQUEST['submit1']))
   $user=$ REQUEST[' email'];
   $pass=$_REQUEST['_password'];
   $sql="SELECT email, password from user login where email='$user' &&
password='$pass'";
    $query=mysqli_query($connection,$sql) or die ('Unable to execute
query. '. mysqli error($connection));
    $rowcount=mysqli num rows($query);
   if($rowcount==true)
     if($ REQUEST[' email']=='admin@gmail.com'){
       header("location: adminside.php?user=admin");
     elseif($_REQUEST['_email']=='higherauth@gmail.com'){
       header("location: adminside.php?user=higherauth");
     }
     else{
       header("location: memorequest.php");
       exit;
      }
    else
```

```
echo "Inavalid email or password";
    }
  }
 else if(isset($_REQUEST['submit2']))
    $user=$ REQUEST[' email'];
    $pass=$ REQUEST[' password'];
    $sql="SELECT email, password from user login where email='$user' &&
password='$pass'";
    $query=mysqli_query($connection,$sql) or die ('Unable to execute
query. '. mysqli_error($connection));
    $rowcount=mysqli num rows($query);
    if($rowcount==true)
    {
      if($ REQUEST[' email'] == 'admin@gmail.com'){
       header("location: admin.php");
      else{
       header("location: reimbursement.php");
        exit;
      }
    }
   else
      echo "Inavalid email or password";
    }
  }
 else
    $user=$ REQUEST[' email'];
    $pass=$_REQUEST['_password'];
    $sql="SELECT email,password from user_login where email='$user' &&
password='$pass'";
    $query=mysqli_query($connection,$sql) or die ('Unable to execute
query. '. mysqli error($connection));
    $rowcount=mysqli num rows($query);
    if($rowcount==true)
```

```
header("location: medicines.php");
  exit;
}
else
{
  echo "Inavalid email or password";
}
}
```

MEMO REQUEST

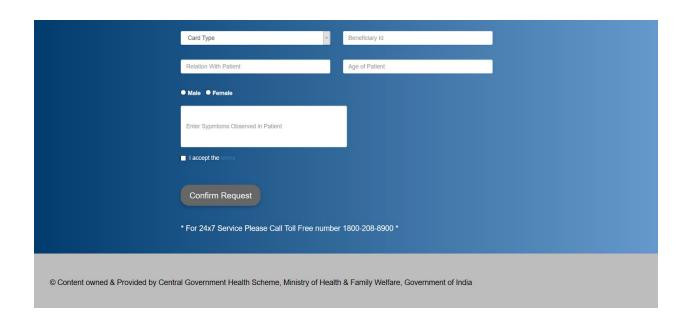
- a) This is a form required to be filled by the user if he/she or family member (wife, daughter, son) wants to take medical treatment from any private hospital. This memo will be accepted by the private hospitals only till four weeks after submission.
- b) This form asks to fill the following parameters: First name, Last name of the employee, card type(retired, working, other), Beneficiary ID provided by the government to each employee, employees relation with patient, age of the patient, gender, and symptoms.
- c) When the employee fills all the details and clicks on the "Confirm Request" button the data is saved at the backend.

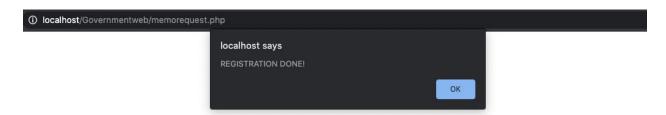
We have created a database named as "project" in which we have created a table "memorequest_table". We used php language to connect this form with the database. So, all the information filled by the employee will be stored in "memorequest_table".

d) The employee will receive an automatic mail regarding the status of the form.

Snapshot:

MEMO	REQUEST FORM	
This memo is valid For 4 weeks		
First Name	Last Name	
Card Type	Beneficiary Id	
Relation With Patient	Age of Patient	
● Male ● Female		
Enter Sypmtoms Observed in Patient		
■ I accept the terms		
Confirm Request		
* For 24x7 Service Please Call Toll Fre	ee number 1800-208-8900 *	





firstname	lastname	cardtype	id	Relation	age	gender	symptoms v 1	fstatus	form_type	submit_time	email
Deepa	Kale	Working	910193	Wife	43	female	Dizziness , vomiting, high fever and sore muscles	pending	memo	2020-05-20 07:12:07	rishitamote@gmail.com
Aishwarya	Ghaiwat	Retired	910194	daughter	19	female	Cough, cold and shivering	approved	memo	2020-05-20 07:13:07	rishitamote@gmail.com
annu	mehta	Working	2222	cousin	29	female	cough and cold	higher_approval_required	memo	2020-05-19 21:55:30	shivangi.kochrekar@spit.ac.in
Vaidehi	Vatsaraj	Working	910195	grandmother	78	female	Arthitis	approved	memo	2020-05-20 07:29:35	rishitamote@gmail.com
mohini	tamhane	Working	507	daughter	27	female	anger	rejected	memo	2020-05-20 00:03:46	shivangi.kochrekar@spit.ac.in

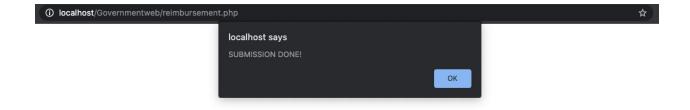
REIMBURSEMENT FORM

- a) After the employee or his family takes the treatment from a private hospital then the employees get reimbursement of money from the government.
- b) For this the employee is supposed to fill "Employee Details", "Employee Account Details" and "Patient's Details".
- c) When the employee fills all the details and clicks on the "Submit" button the data is saved at the backend and the user is taken back to the main page.
 - We have created a database named as "project" in which we have created a table "reimbursement_table". We used php language to connect this form with the database. So, all the information filled by the employee will be stored in "reimbursement_table".
- d) The employee will receive an automatic mail regarding the status of the form.

Snapshot:



Reimbur	sment Form
Employee Details	
First Name	Last Name
Status	Beneficiary Id
Place of issue	mm / dd / yyyy
Employee Account Details	
Name of the bank	Branch Name
Account Number	Full Name of Card Holder
Patient's Details	
Full Name of Patient	Employee's Relation with Patient
Full Name of Patient *Incase of Indoor Treatment please mention the dates*	Employee's Relation with Patient
mm/dd/yyyy	mm/dd/yyyy
Attach the permission form Browse No file selected.	Attach the bill Browse No file selected.
*Incase of OPD Treatment	N 10 10 10 10 10 10 10 10 10 10 10 10 10
Name of the hospital	Attach the bill of the OPD Treatment Browse No file selected.
Submit	
Content owned & Provided by Central Government Health Scheme, Ministry of Hea	lth & Family Welfare, Government of India



Code:

```
<?php
    $connect = mysqli connect("localhost", "root", "", "project");
   if(isset($_GET['email'])){
            $email=$_GET['email'];
            setcookie('email',$email,time()+86400);
    if(isset($ POST['submit']))
    {
        $email=$ COOKIE['email'];
        $fname=$_POST['_fname'];
        $lname=$ POST[' lname'];
        $card_type=$_POST['card_type'];
        $b_id=$_POST['b_id'];
        $issue=$ POST['issue'];
        $validity=$ POST['date'];
        $bank name=$ POST['bank name'];
        $account=$ POST['account'];
        $branch=$ POST['branch'];
        $card_holder=$_POST['card holder'];
        $p_name=$_POST['p_name'];
        $relation=$ POST['relation'];
        $addmission=$ POST['addmission'];
        $discharge=$_POST['discharge'];
        $hospital_name=$ POST['hospital_name'];
```

```
$file attach1=addslashes(file get contents($ FILES["file attach1"]["tmp na
me"]));
$file_attach2=addslashes(file_get_contents($_FILES["file_attach2"]["tmp_na
me"]));
$file attach3=addslashes(file get contents($ FILES["file attach3"]["tmp na
me"]));
                                           $sql
                                                           "INSERT
                                                                       INTO
reimbursement_table(fname,lname,email,card_type,b_id,issue,validity,bank_n
ame,account,branch,card_holder,p_name,relation,admission,discharge,hospita
1 name,permission form,bill,opd)
('$fname','$lname','$email','$card type','$b id','$issue','$validity','$ba
nk name','$account','$branch','$card holder','$p name','$relation','$addmi
ssion','$discharge','$hospital name','$file attach1','$file attach2','$fil
e attach3')";
           $query=mysqli query($connect,$sql) or die ('Unable to execute
query. '. mysqli error($connect));
                   echo '<script type="text/javascript">alert("SUBMISSION
DONE!");</script>';
            echo "<script> setTimeout(function () { window.location.href=
'http://localhost/Governmentweb/index.php';}, 500); </script>";
        #sleep(5);
        #header('Location:index.php');
    }
    mysqli close($connect);
?>
<script>
$ (document) . ready (function() {
      $('#submit3').click(function(){
          var image name1 = $('#file attach1').val();
          var image name2 = $('#file attach2').val();
```

```
var image name3 = $('#file attach3').val();
           if(image_name1 == '' || image_name2 == '' ||image_name3 == '')
                alert("Please Select Image");
                return false;
           }
           else
                                                             extension
                                                       var
$('#file_attach1').val().split('.').pop().toLowerCase();
                  if(jQuery.inArray(extension, ['gif','png','jpg','jpeg'])
= -1)
                {
                     alert('Invalid Image File');
                     $('#file_attach1').val('');
                     return false;
      });
 });
 </script>
```

AVAILABILITY OF MEDICINES

- a) This displays a table which shows the details of the medicines provided by the government where each medicine has a unique ID and whether that medicine is provided by the government or not.
- b) This table consists of the following columns:

 Medicine name, medicine type, medicine ID, price and status.
- c) We created a table "medicine_table" and using php language we extracted the data from this table and presented it in the form of a table on frontend.

Snapshot:



Remaining Forms to look over for validation							
Medicine Name	Medicine Type	Medicine ID	Price	Status			
Monobenzone Cream	Cream	10	299	Not Availabl			
Demelan Ointment	Cream	12	145	Available			
Fusidic Cream	Cream	13	75	Available			
Adapalene Gel	Gel	15	259	Available			
Mederma Scar Gel	Gel	16	450	Available			
Hydroquinone , Mometasone ,Tre	Cream	22	175	Not Availab			
Glutathione Injection	Injection	32	499	Available			
MEDICATIONAlpha Glucosidase In	Diabetic Tablet	45	599	Not Availab			

ADMIN SIDE

Admin side will be opened only with email address:

admin@gmail.com (first level member: will get pending forms)
higherauth@gmail.com(second level member: will display passed over forms)

Here, the admin will decide whether to accept or to pass it over to higher members or to reject the requests(memo request or reimbursement bill request) i.e he /she will validate the form.

He/she will check the employee's details and whether or not the attached bills are proper or not.

Clicking on the validate button will approve the form and send the employee approval mail.

Clicking on the Pass Over button will send the form to next level admin and notify the employee. Clicking on the Reject button will reject the form and notify the employee.

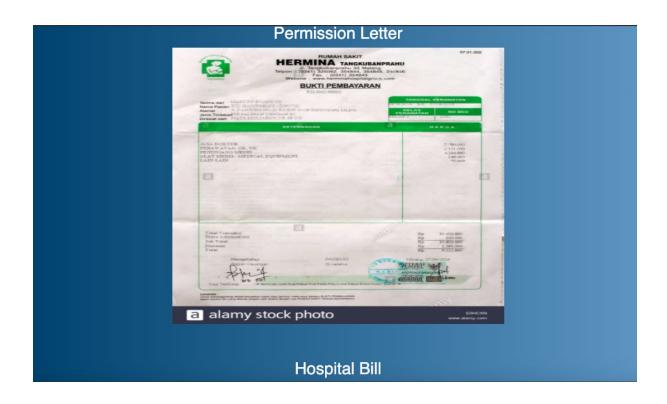
ADMIN-First Level

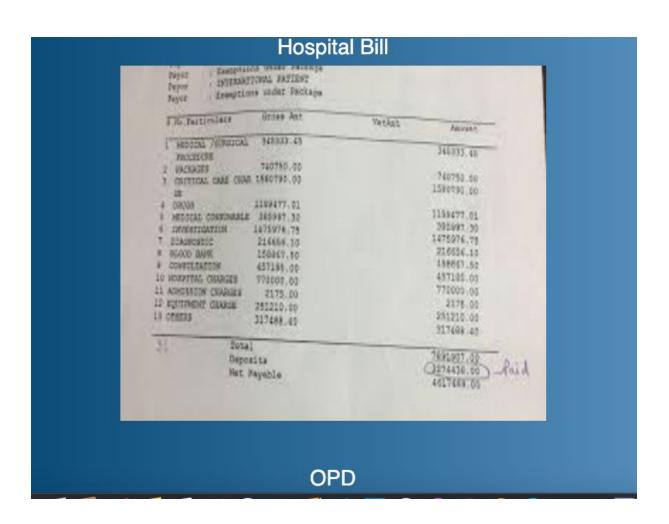
Remaining Forms to look over for validation:								
Applicant First Name	Applicant Last Name	Card Type	Relation	Submitted on	Form Type	Status		
mohini	tamhane	Working	daughter	2020-05-20 00:03:46	memo	pendin		
Deepa	Kale	Working	Wife	2020-05-20 07:12:07	memo	pendin		
Aishwarya	Ghaiwat	Retired	daughter	2020-05-20 07:13:07	memo	pendin		
Jahnvi	Shah	Pensioner	son	2020-05-20 04:45:28	reimbursement	pendin		
Shivangi	Kale	Govt. Servant	son	2020-05-20 05:05:08	reimbursement	pendin		
Dattatrey	Kochrekar	Govt. Servant	daughter	2020-05-20 07:19:33	reimbursement	pendin		
Komal	Patil	Pensioner	daughter	2020-05-20 07:23:33	reimbursement	pendin		

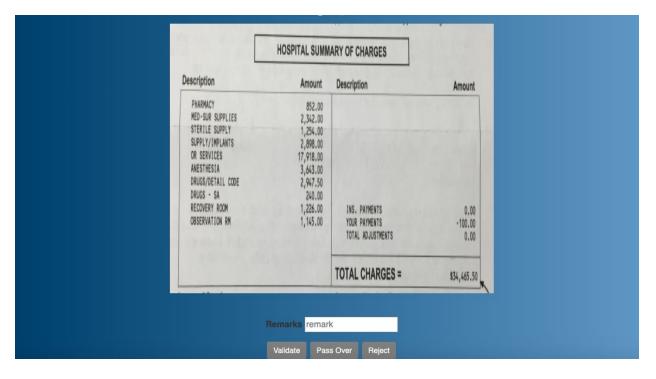
ADMIN- First Level (Validation)



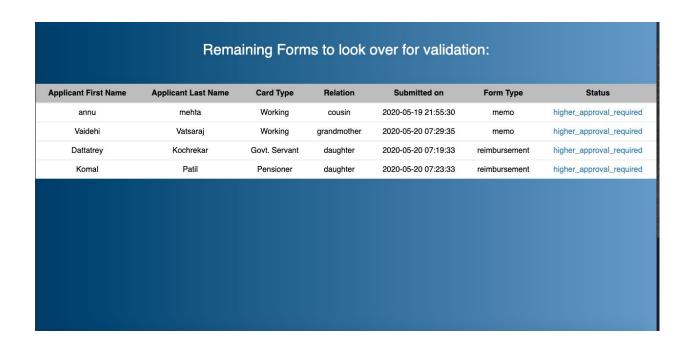
GOVERNMENT HEALTH SERVICE Mumbai, Maharashtra Reimbursement Form										
Employee Details										
First Name	First Name Shivangi Last Name Kale									
Card Type	Govt. Servant	Beneficiary ID 19211 Place Of Issue kerala		kerala	Validity	2020-04-26				
Employee Accoun	nt Details									
Bank Name		HDFC		Branch Name		THANE BRAN	КН			
Account Number	d d	132124		Card Holder Name		Shivangi Dati	a Kale			
Patient Details										
Patient's Full Nan	ne	Ansh Kale		Patient's Relation with Employee		son				
Hospital Details	Hospital Details									
Hospital Name	Hospital Name VEDANT HOSPITAL									
Admission Date		2020-05-15		Discharge Date		2020-05-18				







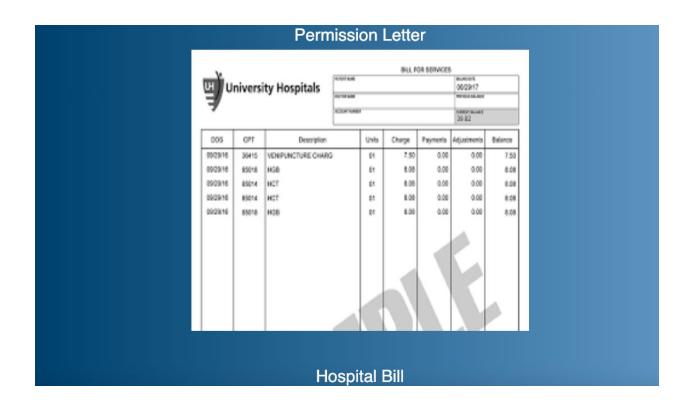
ADMIN-Second Level

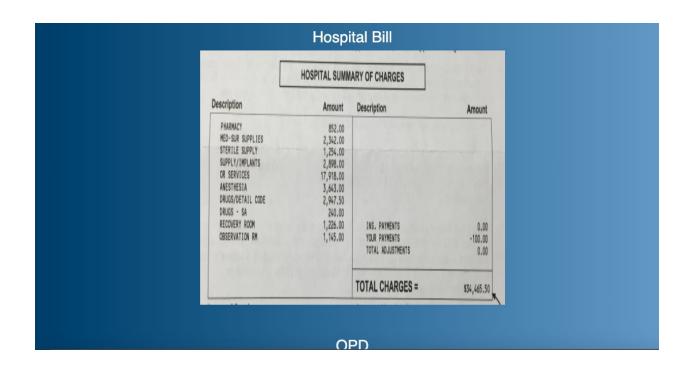


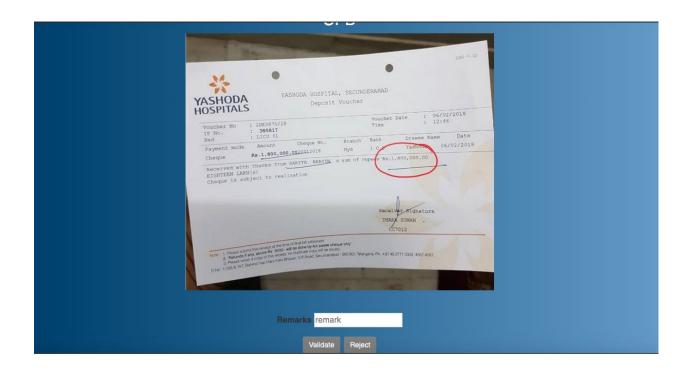
ADMIN-Second Level(Validation)



GOVERNMENT HEALTH SERVICE Mumbai, Maharashtra Reimbursement Form **Employee Details First Name** Komal **Last Name** Patil **Card Type** Pensioner Beneficiary ID 81723 Place Of Issue Palghar Validity 2020-05-03 **Employee Account Details Bank Name** Saraswat bank **Branch Name** Virar Branch Account Number 1526172834 Card Holder Name Komal S Patil **Patient Details** Patient's Full Name Sakshi Komal Patil Patient's Relation with Employee daughter **Hospital Details Hospital Name VEDANT HOSPITAL** 2020-01-01 2020-01-22 **Admission Date Discharge Date**

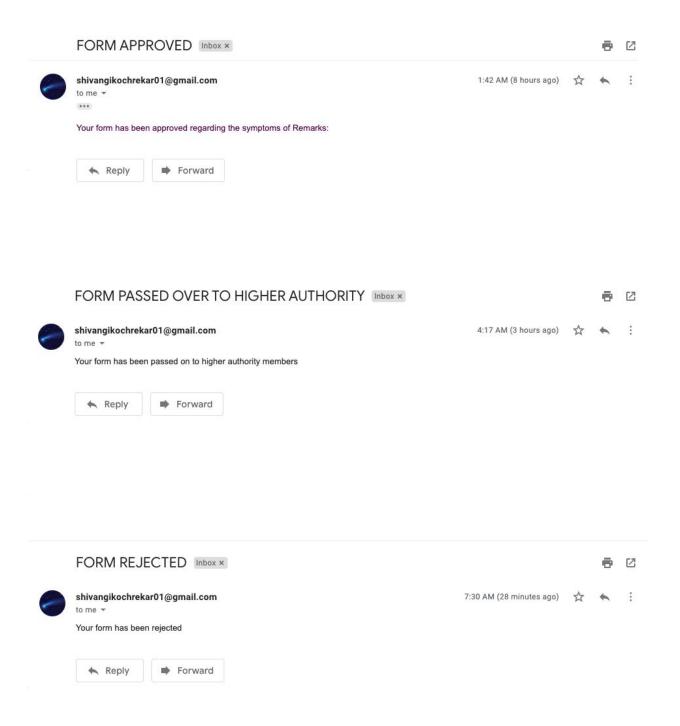






No option to pass it over further. This is the final decision taken regarding the forms.

Emails Received:



Code:

```
<?php
     session start();
     $user=(isset($_GET['user'])?$_GET['user']:$_SESSION['user']);
     $connection = mysqli connect('localhost','root','');
     $db = mysqli_select_db($connection,'project');
     if($connection-> connect error )
       die ("Connection with Database Failed!!".$connection->
connect error);
     }
     if($user=='admin'){
       $sql = "SELECT
firstname, lastname, cardtype, relation, submit time, form type, fstatus, id from
memo table where fstatus ='pending' order by submit time ASC" ;
     else{
       $sql = "SELECT
firstname,lastname,cardtype,relation,submit_time,form_type,fstatus,id from
memo_table where fstatus ='higherauth' order by submit_time ASC" ;
     $result = mysqli query($connection,$sql);
     $rowcount = mysqli num rows($result);
     if($rowcount> 0)
       while ($row = $result->fetch assoc())
         echo "". $row["firstname"]."".
$row["lastname"]."". $row["cardtype"].
"".$row["relation"]."".$row["submit time"]."".$
row["form type"].'';
         echo '<a
href="validate form.php?id='.$row['id'].'&user='.$user.'">'.$row["fstatus"
]."</a>";
         echo "";
       echo "";
```

```
else
{
    echo "No result to display";
}
$connection-> close();
$_SESSION['user']=$user;
?>
```

Validation:

```
if (isset($_POST['validate_button']) and isset($_SESSION['id'])) {
       //validate action
            $id=$ SESSION['id'];
            $sqln="UPDATE memo_table SET fstatus ='approved' WHERE id=
'$id' ";
            $query=mysqli query($connection,$sqln) or die ('Unable to
execute query.'. mysqli error($connection));
       } else if (isset($_POST['pass_button'])) {
           //pass action
            $id=$ SESSION['id'];
            $sqln="UPDATE memo table SET fstatus
='higher approval required' WHERE id= '$id' ";
            $query=mysqli query($connection,$sqln) or die ('Unable to
execute query.'. mysqli error($connection));
        } else if (isset($_POST['delete_button'])){
           // delete pressed
           $id=$ SESSION['id'];
            $sqln="UPDATE memo table SET fstatus ='rejected' WHERE id=
'$id' ";
            $query=mysqli query($connection,$sqln) or die ('Unable to
execute query.'. mysqli_error($connection));
```

Conclusion:

We have made it easier for the central government employees to avail the medical facilities provided by the government.

By creating this website, we made the system easier and more efficient by making the forms available online.

The online verification of forms will also make the process less tedious.