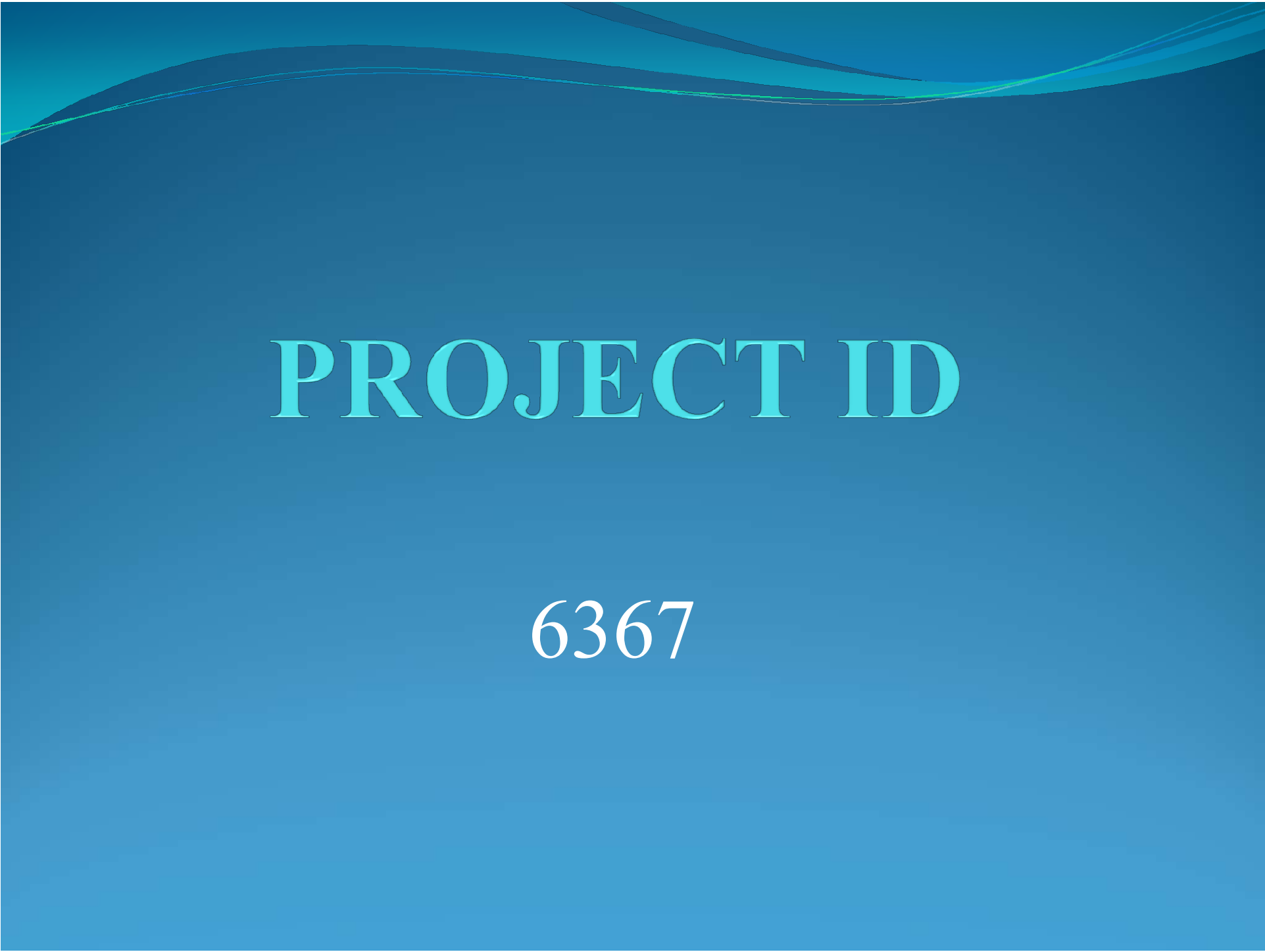
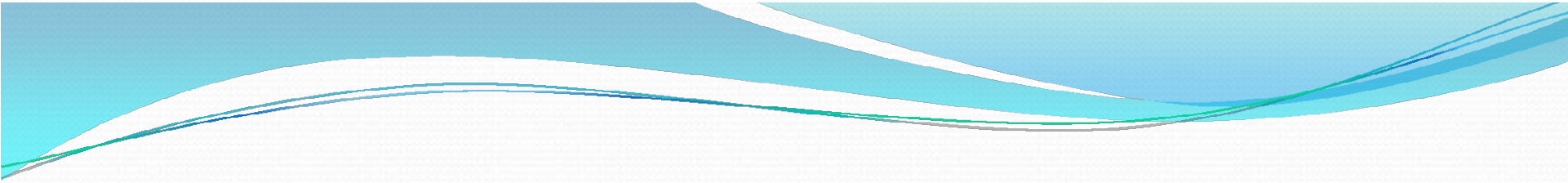




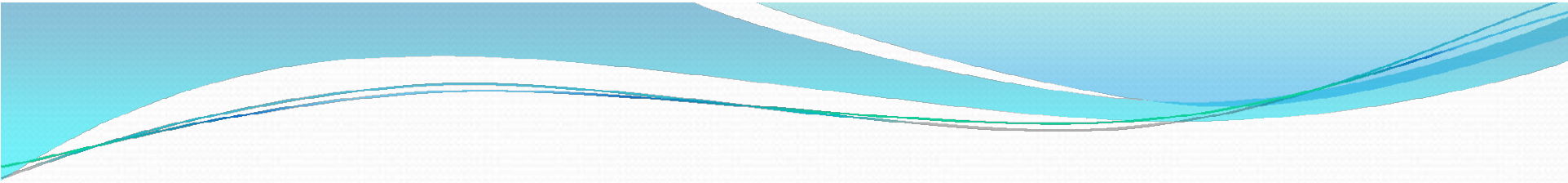
PROJECT ID

6367



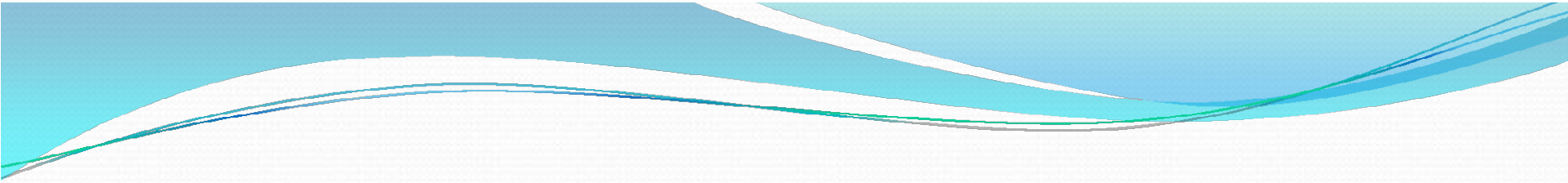
PROJECT NAME

ONLINE TOLL PAYMENT



TEAM NAME

VISA



MEMBERS

- VIGNESH R
- SABARINATHAN A
- YUKESH B
- KARUNKARAN G V
- KEERTHANA S
- KOWSALYA K

MENTORED BY,
BASKAR AK
SOPHIA SINDHUJA N

Code for RFID:

```
• int count = 0;
• char input[12];
• boolean flag = 0;
• void setup()
• {
•   Serial.begin(9600);
• }
• void loop()
• {
•   if (Serial.available())
•   {
•     count = 0;
•     while(Serial.available() && count < 12)
•     {
•       input[count] = Serial.read();
•       count++;
•       delay(5);
•     }
•     Serial.print(input);
•
•     if((input[0] ^ input[2] ^ input[4] ^ input[6] ^ input[8] == input[10] &&
•        (input[1] ^ input[3] ^ input[5] ^ input[7] ^ input[9] == input[11]))
•     {
•       Serial.println();
•     }
•     else
•       Serial.println("error");
•   }
• }
```


Code for form:

```
• <form action="userDisplay.php" method="post" />
• <p>Username : <input type="text" name="input1" /></p>
• <p>Password : <input type="password" name="input2" /></p>
• <input type="submit" value="Submit" />
• </form>
• <?php

• define('DB_NAME', 'visa');
• define('DB_USER', 'root');
• define('DB_PASSWORD', "");
• define('DB_HOST', 'localhost');

• $link = mysql_connect(DB_HOST, DB_USER, DB_PASSWORD);

• if (!$link){
•     die('COULD NOT CONNECT.'.mysql_error());
• }

• $db_selected = mysql_select_db(DB_NAME, $link);

• if (!$db_selected){
•     die("Cant use ' . DB_NAME . ' : ".mysql_error());
• }
• $username = $_POST['input1'];
• $password = $_POST['input2'];

• $sql = "SELECT * FROM datas WHERE username = '$username' AND password = '$password'";
• $results = mysql_query($sql);

• if (!$results){
•     die('ERROR.'.mysql_error());
•     echo 'Invalid user Id';
• }

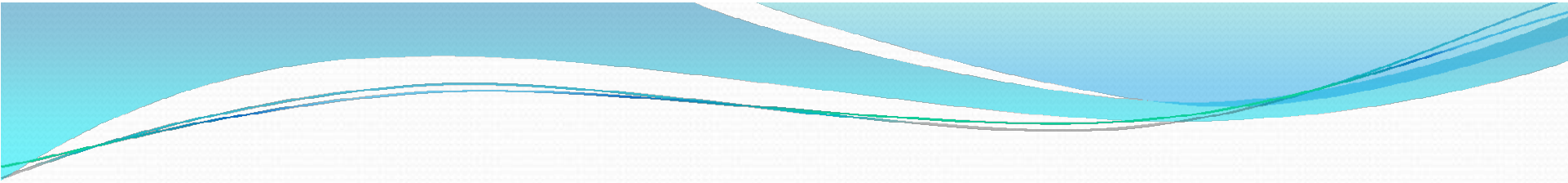
• ?>
```

Code for display:

- <?php
- define('DB_NAME', 'visa');
- define('DB_USER', 'root');
- define('DB_PASSWORD', '');
- define('DB_HOST', 'localhost');
- \$link = mysql_connect(DB_HOST, DB_USER, DB_PASSWORD);
- if (!\$link){
- die('COULD NOT CONNECT:'.mysql_error());
- }
- \$db_selected = mysql_select_db(DB_NAME, \$link);
- if (!\$db_selected){
- die('Cant use ' . DB_NAME . ':' . mysql_error());
- }
- \$username = \$_POST['input1'];
- \$password = \$_POST['input2'];
- \$sql = "SELECT * FROM datas WHERE username = '\$username' AND password = '\$password'";
- \$results = mysql_query(\$sql);
- if (!\$results){
- die('ERROR:'.mysql_error());
- echo 'Invalid user Id';
- }

Condt.

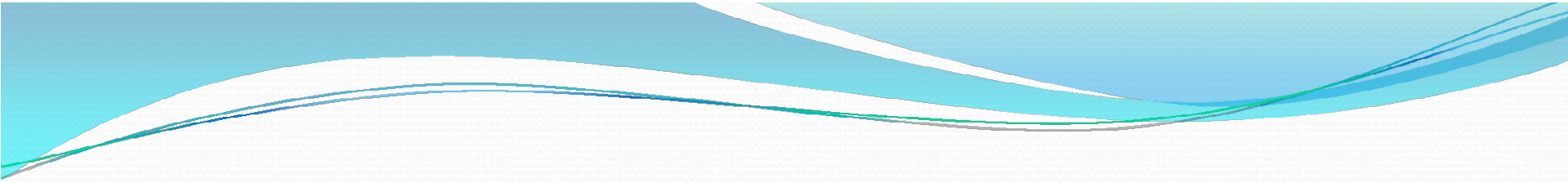
- `//echo $results;`
- `while ($result = mysql_fetch_array( $results )){`
- `echo '<p>RFID: ' . $result['rfid']. '</p>';`
- `echo '<p>NAME: ' . $result['name']. '</p>';`
- `echo '<p>VEHICLE NO: ' . $result['vehicle_no']. '</p>';`
- `echo '<p>VEHICLE TYPE: ' . $result['vehicle_type']. '</p>';`
- `echo '<p>AADHAR: ' . $result['aadhar']. '</p>';`
- `echo '<p>BALANCE: ' . $result['balance']. '</p>';`
- `echo '<p>TIME: ' . $result['time']. '</p>';`
- `echo '<p>FLAG: ' . $result['flag']. '</p>';`
- `}`
- `?>`
- `<button onclick="window.location.href='userRecharge.php'">Recharge</button>`
- `<?php`
- `mysql_close();`
- `?>`



PLATFORM USED

HARDWARE : RFID, ARDUINO

SOFTWARE: JAVA,MYSQL,PHP



OTHER DETAILS

The process of payment is done with the help of the BHIM application(UPI), with the aadhar number linked with it.

The toll and the BHIM applications has to be interlinked so that the user can make the payment ease.