

2021 -2022

**Parent Communication Register APP**

**Thanks To Sir Fahad**

Android App E-Project

PCR APP

**Group Members:**

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**Problem Definition**

**Introduction:**

The Main aim of Parent Communication Register Android Application is to automate the

attendance in the form of Android Mobile Application. It will help establish a good

communication between Student Mentor and parent.

We have seen over the years that the process of manual attendance is being carried out

across almost all educational institutions. The process is not only time consuming but also

sometimes yield inefficient results in the false marking and calculation of attendance. We

need not maintain pen and paper based attendance registers. Following this thought, we

have proposed a PARENT COMMUNICATION REGISTER (PCR) APP by which we notify

parents via SMS OR a call Notification system which is implemented on Android mobile

application.

This Android application will give the students attendance information and SMS notification

feature whereby every parent will be periodically notified regarding his/her child

attendance

The system primarily focuses on building an efficient and user friendly Android mobile

application. The application will be installed on the Mentor/Faculty phone which runs

android OS. It intends to provide an interface to the professor who will require a user id and

password to carry out the task. Apart from that, the application would support strong user

authentication and quick transmission of data.

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# Hardware and Software Requirement

**Hardware Requirements:**

* Android mobile with a minimum version 2.2.
* The processor is not less than 500MHZ.
* RAM is not less than 2048MB.
* SD card with a minimum of 512MB.
* Resolution is not less than 480\*800pixs.

**Software Requirements:**

* Windows OS/JAVA/Android SDK/Notepad/SQL/Android 2.2 or Later

# Login ActivityXml

<androidx.constraintlayout.widget.ConstraintLayout xmlns:android="http://schemas.android.com/apk/res/android"

xmlns:app="http://schemas.android.com/apk/res-auto"

xmlns:tools="http://schemas.android.com/tools"

android:layout\_width="match\_parent"

android:layout\_height="match\_parent"

tools:context=".Login\_activity"

android:gravity="center"

>

<ImageView

android:id="@+id/imageView2"

android:layout\_width="match\_parent"

android:layout\_height="140dp"

android:layout\_alignParentTop="true"

android:src="@drawable/studentcenter"

app:layout\_constraintBottom\_toBottomOf="parent"

app:layout\_constraintEnd\_toEndOf="parent"

app:layout\_constraintHorizontal\_bias="0.0"

app:layout\_constraintStart\_toStartOf="parent"

app:layout\_constraintTop\_toTopOf="parent"

app:layout\_constraintVertical\_bias="0.002" />

<TextView

android:id="@+id/title"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_below="@+id/imageView2"

android:layout\_marginTop="16dp"

android:text="@string/title\_home"

android:textColor="@color/black"

android:textSize="26dp"

android:textStyle="bold"

app:layout\_constraintBottom\_toBottomOf="parent"

app:layout\_constraintEnd\_toEndOf="parent"

app:layout\_constraintStart\_toStartOf="parent"

app:layout\_constraintTop\_toBottomOf="@+id/imageView2"

app:layout\_constraintVertical\_bias="0.0" /> <div class="col-sm-10">

<input type="password" class="form-control" id="pwd" placeholder="Enter password">

<label id="passMsg" class="alert alert-danger glyphicon glyphicon-alert alertMsg"> You have entered wrong password </label>

</div>

</div>

<div class="form-group">

<div class="col-sm-offset-2 col-sm-10">

<div class="checkbox">

<label>

<input type="checkbox">

Remember me</label>

</div>

</div>

</div>

<div class="form-group">

<div class="col-sm-offset-2 col-sm-10">

<button type="submit" class="btn btn-default">Submit</button>

</div>

</div>

</form>

</div>

<div class="modal-footer"> <a href="#" id="Create-SingUp-btn">Create an Account</a> </div>

</div>

</div>

</div>

<div class="modal fade" id="singUp" data-backdrop="false">

<div class="modal-dialog modal-lg">

<div class="modal-content">

<div class="modal-header">

<button type="button" class="close" data-dismiss="modal">&times;</button>

<h4 class="modal-title">Create an Account</h4>

</div>

<div class="modal-body" id="modal-singUp">

<p class="text-center">Please enter the following information to create your account.</p>

<form class="form-horizontal" action="index.html" name="user" method="get" onSubmit="return formValidation();">

<div class="form-group">

<label class="control-label col-sm-2" for="FirstName">First Name:</label>

<div class="col-sm-10">

<input type="text" class="form-control" name="FirstName" id="FirstName" placeholder="Enter your First Name" onKeyUp="FirstNameValidation();" required>

<label id="spanFirstName" class="alertMsg alert alert-danger glyphicon glyphicon-alert"></label>

</div>

</div>

<div class="form-group">

<label class="control-label col-sm-2" for="FirstName">Last Name:</label>

<div class="col-sm-10">

<input type="text" class="form-control" name="LastName" id="LastName" placeholder="Enter your Last Name" onKeyUp="LastNameValidation();" required>

<label id="spanLastName" class="alertMsg alert alert-danger glyphicon glyphicon-alert"></label>

</div>

</div>

<div class="form-group">

<label class="control-label col-sm-2" for="email2">Email:</label>

<div class="col-sm-10">

<input type="email" class="form-control" name="email" id="email2" onKeyUp="emailValidation();" placeholder="Enter email">

<label id="spanEmail" class="alertMsg alert alert-danger glyphicon glyphicon-alert"></label>

</div>

</div>

<div class="form-group">

<label class="control-label col-sm-2" for="pass">Password:</label>

<div class="col-sm-10">

<input type="password" name="Pasward" id="pass" class="form-control" placeholder="Enter password" onKeyUp="Pass(); PaswardValidation();" required>

<img src="images/password\_strength\_0.png" width="125" height="17" alt="" id="lblPassImg"/>

<label id="lblPass"></label>

<br>

<label id="spanPasward"></label>

</div>

</div>

<div class="form-group">

<label class="control-label col-sm-2" for="pass">Confirm Password:</label>

<div class="col-sm-10">

<input type="password" name="rePasward" id="rePasward" class="form-control" placeholder="Confirm Your Password" onKeyUp="RePaswardValidation();" required>

<label id="spanRePasward"></label>

</div>

</div>

<div class="form-group">

<div class="col-sm-offset-2 col-sm-10">

<div class="checkbox">

<label>

<input type="checkbox">

Subscribe to NewsLetter</label>

</div>

</div>

</div>

<div class="form-group">

<div class="col-sm-offset-2 col-sm-10">

<input type="submit" class="btn btn-default" name="SuubmitForm" id="SuubmitForm" onClick="FirstNameValidation(); LastNameValidation(); emailValidation(); PaswardValidation(); RePaswardValidation();">

</div>

</div>

</form>

</div>

<div class="modal-footer"> <a href="#" id="Create-LogIn-btn">Login to Account</a> </div>

</div>

</div>

</div>

<button title="Search" onClick="searchbar()" id="search-btn" class="header-icons text-center pull-right"><span class="fa fa-search" style="font-size:24px;"></span></button>

<form name="search" action="#" method="get" style="float:right; margin-right:-20px;">

<div style="overflow:hidden;">

<input id="search" type="text" name="search" placeholder="Search....">

<button type="submit" name="search-btn" id="search-submit-btn" class="header-icons"><span class="fa fa-search" style="font-size:24px;"></span></button>

</div>

</form>

</div>

</div>

</div>

<nav class="navbar navbar-default" id="nav-bar">

<div class="container">

<div class="navbar-header"> <a id="nav-bar-brand" class="navbar-brand" href="index.html">

<canvas id="canvas" width="460" height="160" onMouseOver="init();" style="width:300px;"></canvas>

</a>

<button type="button" class="navbar-toggle" data-toggle="collapse" data-target="#myNavbar"> <span class="icon-bar"></span> <span class="icon-bar"></span> <span class="icon-bar"></span> </button>

</div>

<ul class="collapse navbar-collapse nav navbar-nav well-lg navbar-right" id="myNavbar">

<li class="active"> <a href="index.html">Home</a> </li>

<li><a href="About-Us.html">About Us</a></li>

<li class="dropdown"> <a class="dropdown-toggle" data-toggle="dropdown" href="#">Products <span class="caret"></span></a>

<div class="dropdown-menu">

<div class="col-sm-3">

<h4>Indoor Lights</h4>

<ul>

<li data-rel="external" data-id="0"><a href="Products/Candle Light.html">Candle Lights</a></li>

<li data-rel="external" data-id="1"><a href="Products/Ceiling Light.html">Ceiling Lights</a></li>

<li data-rel="external" data-id="2"><a href="Products/Down Light.html">Down Lights</a></li>

<li data-rel="external" data-id="3"><a href="Products/Led Bulb.html">Led Bulbs</a></li>

<li data-rel="external" data-id="4"><a href="Products/Panel Light.html">Panel Lights</a></li>

<li data-rel="external" data-id="5"><a href="Products/Rope Light.html">Rope Lights</a></li>

<li data-rel="external" data-id="6"><a href="Products/Spot Light.html">Spot Lights</a></li>

<li data-rel="external" data-id="7"><a href="Products/Track light.html">Track Lights</a></li>

<li data-rel="external" data-id="8"><a href="Products/Tube Light.html">Tube Lights</a></li>

<li data-rel="external" data-id="9"><a href="Products/Rechargeable Light.html">Rechargeable Lights</a></li>

</ul>

</div>

<div class="col-sm-3">

<h4>Outdoor Lights</h4>

<ul>

<li data-rel="external" data-id="10"><a href="Products/Explosion Proof light.html">Explosion Proof lights</a></li>

<li data-rel="external" data-id="11"><a href="Products/Flood light.html">Flood Lights</a></li>

<li data-rel="external" data-id="12"><a href="Products/Hi-Bay Light.html">Hi-Bay Lights</a></li>

<li data-rel="external" data-id="13"><a href="Products/Stadium Light.html">Stadium Lights</a></li>

<li data-rel="external" data-id="14"><a href="Products/Street Light.html">Street Lights</a></li>

</ul>

</div>

<div class="col-sm-3">

<h4>Smart Lights</h4>

<ul>

<li data-rel="external" data-id="15"><a href="Products/Rainbow LED.html">Rainbow LED</a></li>

<li data-rel="external" data-id="16"><a href="Products/Sonic LED.html">Sonic LED</a></li>

</ul>

</div>

<div class="col-sm-3 text-right nopadding"> <img src="images/navbg.png" id="catagoryImg" alt="catagoryImg" style="width:auto; max-height:250px;"/> </div>

</div>

</li>

<li><a href="Gallery.html">Gallery</a></li>

<li><a href="Contact-Us.html">Contact Us</a></li>

</ul>

</div>

</nav>

**Header in HTML**

android:textSize="26dp"

android:textStyle="bold"

app:layout\_constraintBottom\_toBottomOf="parent"

app:layout\_constraintEnd\_toEndOf="parent"

app:layout\_constraintStart\_toStartOf="parent"

app:layout\_constraintTop\_toBottomOf="@+id/imageView2"

app:layout\_constraintVertical\_bias="0.0" />

<TextView

android:id="@+id/title2"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_below="@+id/imageView2"

android:layout\_marginTop="33dp"

android:text="Login Here"

android:textColor="@color/black"

android:textSize="16dp"

app:layout\_constraintBottom\_toBottomOf="parent"

app:layout\_constraintEnd\_toEndOf="parent"

app:layout\_constraintStart\_toStartOf="parent"

app:layout\_constraintTop\_toBottomOf="@+id/title"

app:layout\_constraintVertical\_bias="0.0" />

<com.google.android.material.textfield.TextInputLayout

style="@style/Widget.MaterialComponents.TextInputLayout.OutlinedBox"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:layout\_marginTop="80dp"

#search {

transition: all .4s;

position: relative;

left: 300px;

height: 44px;

padding-left: 5px;

border-radius: 22px;

border: 1px solid;

width: 215px;

}

#search-submit-btn {

display: none;

position: absolute;

top: 0;

right: 120px;

transform: scale(-1, 1);

}

.alertMsg {

visibility: hidden;

padding: 5px !important;

margin-bottom: 0 !important;

}

#myNavbar > li > a {

position: relative;

top: -10px;

opacity: 0;

}

.nav > li.dropdown.open {

position: static;

}

.nav > li.dropdown.open .dropdown-menu {

background-image:url(../images/navbg.jpg);

border-radius: 0px;

width: 100%;

}

.nav > li.dropdown.open .dropdown-menu ul {

padding-left: 5px;

}

.nav > li.dropdown.open .dropdown-menu li {

list-style: none;

}

.nav > li.dropdown.open .dropdown-menu li a {

display: block;

text-decoration: none;

}

.nav > li.dropdown.open .dropdown-menu li:hover {

color: #939BF0;

}

.nav > li.dropdown.open .dropdown-menu li a:before {

content: '► ';

opacity: 0;

}

.nav > li.dropdown.open .dropdown-menu li:hover > a:before {

opacity: 1;

}

app:startIconDrawable="@drawable/ic\_user"

android:id="@+id/email\_l"

android:hint="Email"

app:layout\_constraintEnd\_toEndOf="parent"

app:layout\_constraintStart\_toStartOf="parent"

app:layout\_constraintTop\_toBottomOf="@+id/title">

<com.google.android.material.textfield.TextInputEditText

android:id="@+id/email"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:inputType="textWebEmailAddress" />

</com.google.android.material.textfield.TextInputLayout>

<com.google.android.material.textfield.TextInputLayout

android:id="@+id/password\_l"

style="@style/Widget.MaterialComponents.TextInputLayout.OutlinedBox"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:layout\_marginTop="34dp"

android:hint="Password"

app:layout\_constraintEnd\_toEndOf="parent"

app:layout\_constraintStart\_toStartOf="parent"

app:layout\_constraintTop\_toBottomOf="@+id/email\_l"

app:passwordToggleEnabled="true"

app:startIconDrawable="@drawable/ic\_baseline\_lock\_24">

<com.google.android.material.textfield.TextInputEditText

android:id="@+id/password"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:inputType="textPassword" />

</com.google.android.material.textfield.TextInputLayout> </div>

<a class="left carousel-control" href="#myCarousel" role="button" data-slide="prev"> <span class="glyphicon glyphicon-chevron-left"></span> </a> <a class="right carousel-control" href="#myCarousel" role="button" data-slide="next"> <span class="glyphicon glyphicon-chevron-right"></span> </a> </div>

</div>