

## 5. SYSTEM DESIGN

### 5.1 DATA DICTIONARY

#### Intern/Student Registration

Field name	Type	Size	Key	Constraint
Id	Int	10	Primary key	Not null
Name	Varchar	25	-	Not null
Address	Varchar	50	-	Allow null
Email	Varchar	20	-	Not null
Contact	Int	11	-	Not null
birthdate	Varchar	20	-	Allow null
Password	Varchar	10	-	Not null

#### Faculty Registration

Field name	Type	Size	Key	Constraint
Id	Int	10	Primary key	Not null
Name	Varchar	25	-	Not null
Experience	Varchar	15	-	Allow null
Address	Varchar	50	-	Allow null
Email	Varchar	20	-	Not null
Contact	Varchar	11	-	Not null
Expert in	Varchar	20	-	Allow null
Password	Varchar	10	-	Not Null

#### Login

Field name	Type	Size	Key	Constraint
User name	Varchar	20	-	Not null
Password	Varchar	10	-	Not null

**Student Request**

Field name	Type	Size	Key	Constraint
Std_id	Int	10	Foreign Key	Not null
name	Varchar	20	-	Not null
Add faculty	Varchar	20	-	Allow null

**Grant Leave**

Field name	Type	Size	Key	Constraint
Std_id	Int	10	Foreign Key	Not null
Std_name	Varchar	20	-	Not null
Fac_name	Varchar	20	-	Allow null
Course	Varchar	20	-	Allow null
reason	Varchar	20	-	Allow null

**Leave**

Field name	Type	Size	Key	Constraint
Std_id	Int	10	Foreign Key	Not null
Std_name	Varchar	20	-	Not null
Course	Varchar	20	-	Allow null
reason	Varchar	20	-	Allow null

**Add Courses**

Field name	Type	Size	Key	Constraint
Crse_id	Int	10	Primary Key	Not null
Crse_name	Varchar	20	-	Not null
Ass_Fac	Varchar	20	Foriegn Key	Allow null

## 5.2 SCREEN LAYOUT

- Interns Side Form Layouts:

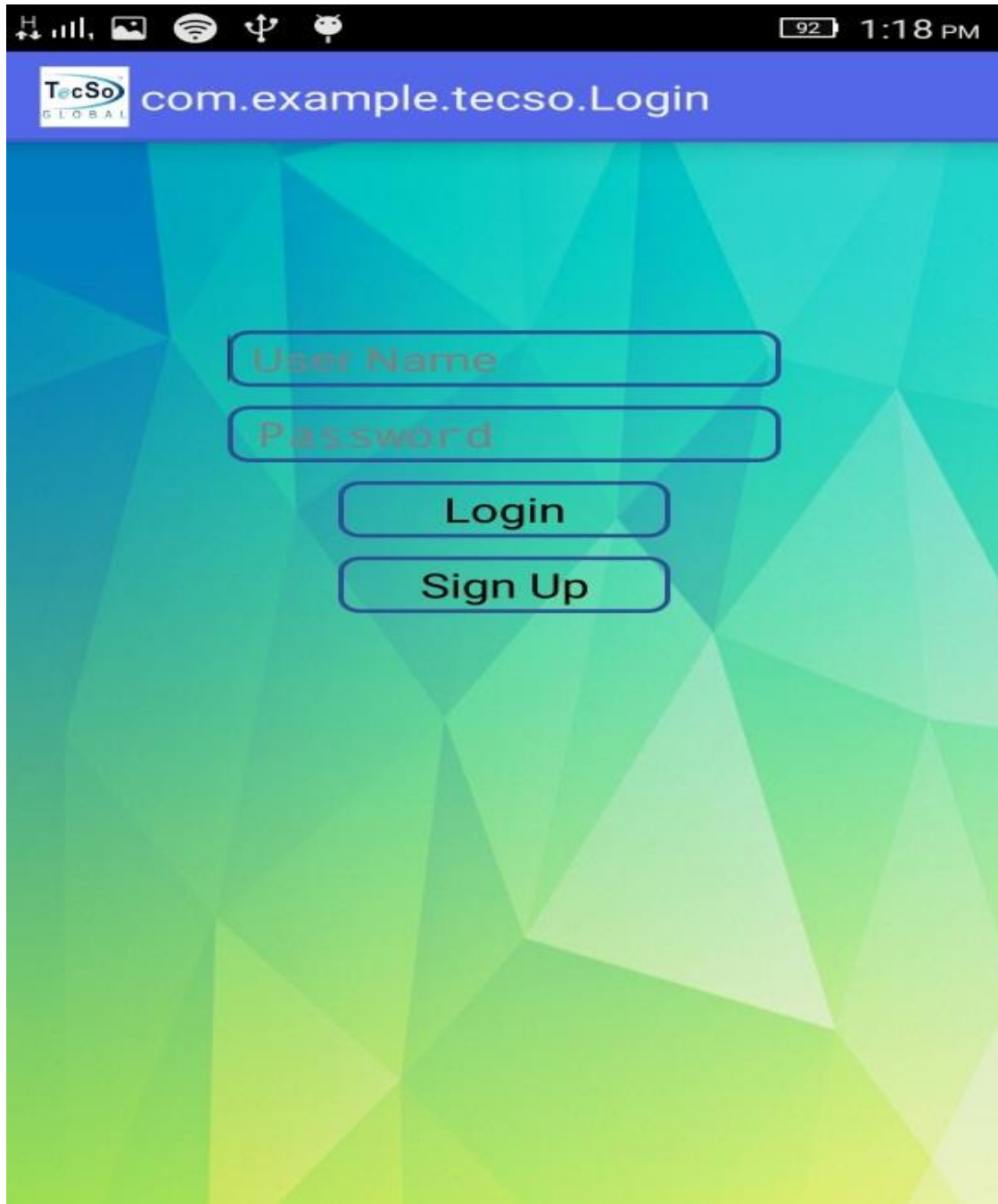


Fig: 5.2.1 Login Page

The screenshot shows a mobile application interface for an 'Interns Profile Page'. At the top, a blue header bar contains the 'TecSo GLOBAL' logo on the left and the URL 'com.example.tecso.StdPro' in the center. To the right of the URL is a three-dot menu icon. Below the header, the page features five text input fields stacked vertically, each with a label: 'Name', 'Course', 'Faculty Name', 'Feedback', and 'Remark from admin'. On the right side of the page, there is a blue rectangular button with a three-dot icon. This button is open, displaying a dropdown menu with two options: 'Home' and 'Logout'. The background of the page is a vibrant green and yellow geometric pattern.

Fig: 5.2.2 Interns Profile Page

The image shows a mobile application interface for student registration. At the top, there is a status bar with various icons and a battery level of 92% at 1:20 PM. Below the status bar is a header bar with the TecSo GLOBAL logo and the text 'com.example.tecso.StdReg'. The main content area has a blue and green geometric background. The title 'Student Registration' is centered at the top of the form. Below the title are six input fields: 'Full Name', 'Address', 'Email Id', 'Contact No.', 'Birth Date', and 'Password'. At the bottom of the form are two buttons: 'Submit' and 'Cancel'.

com.example.tecso.StdReg

**Student Registration**

Full Name

Address

Email Id

Contact No.

Birth Date

Password

Submit Cancel

Fig: 5.2.3 Registration Form

The image shows a mobile application interface for requesting leave. The app is titled "com.example.tecso.RegLeave" and features a TecSo GLOBAL logo. The form includes input fields for Name, Faculty Name, Course, Reason, and a date field labeled "TO". A "Request Leave" button is at the bottom. A menu on the right contains "Home" and "Logout" options.

Fig: 5.2.4 Leave Request Form





Fig: 5.2.5 Intern Home Page

- Admin Side Form Layouts:

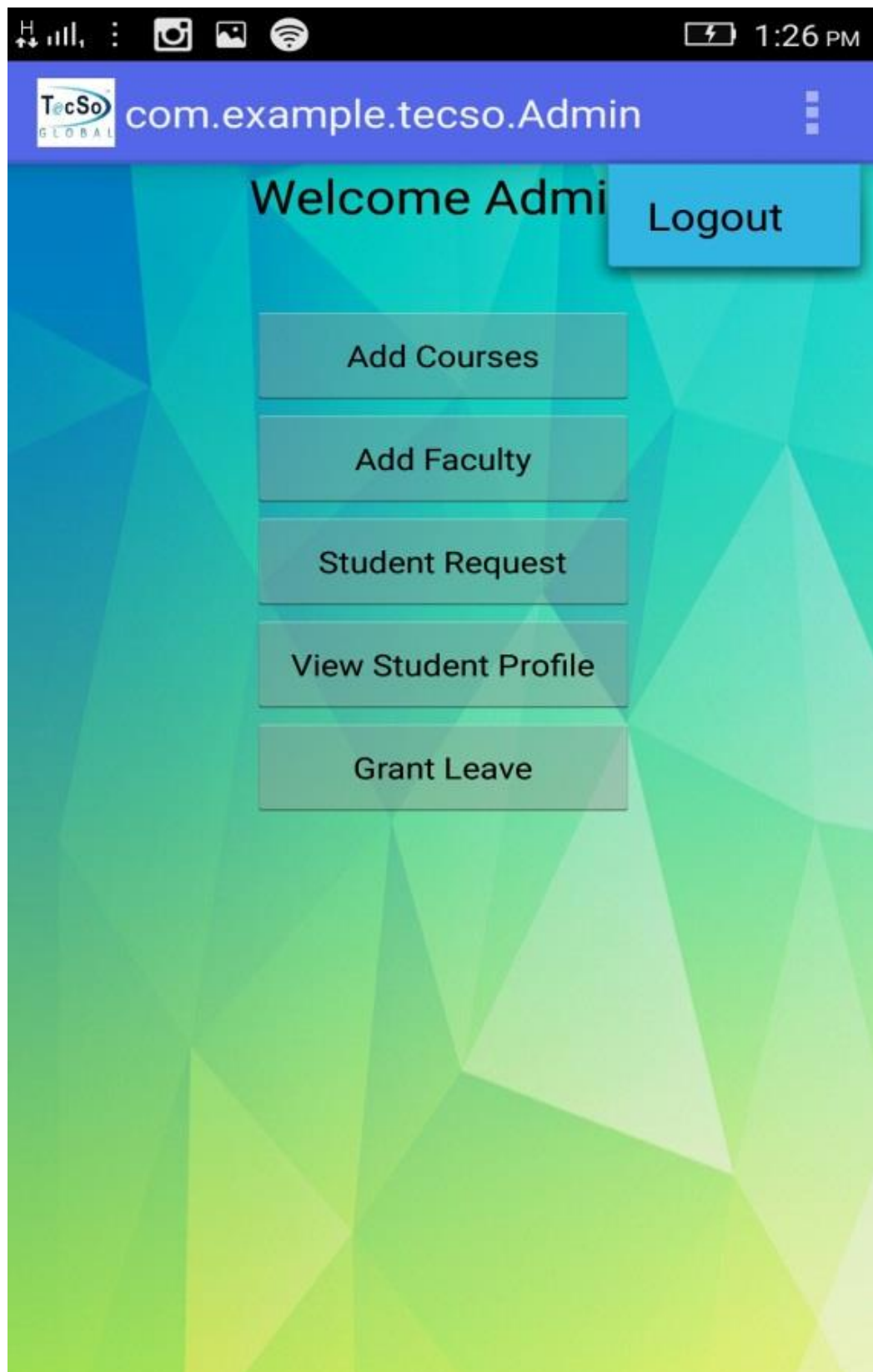


Fig: 5.2.6 Admin Page



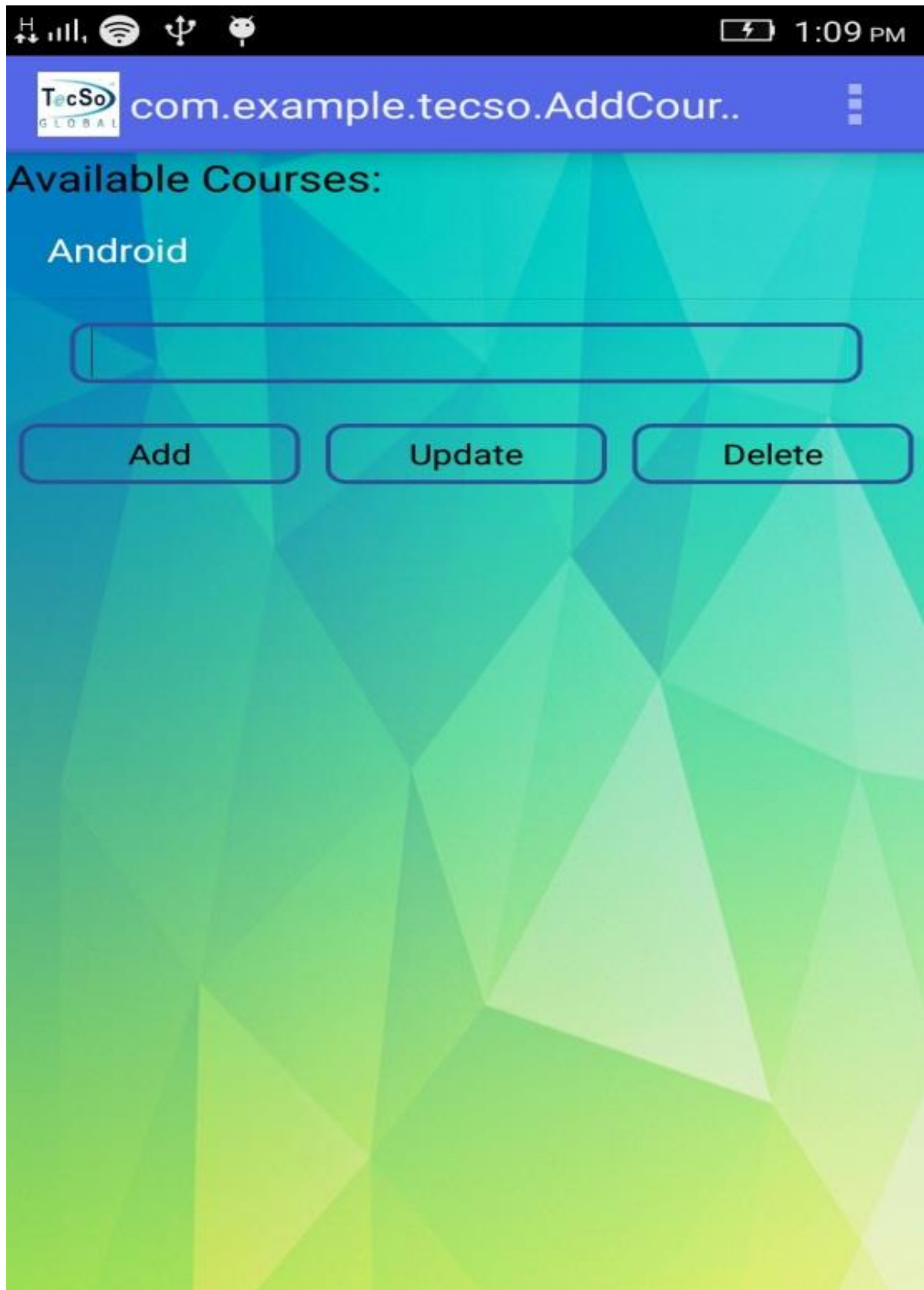
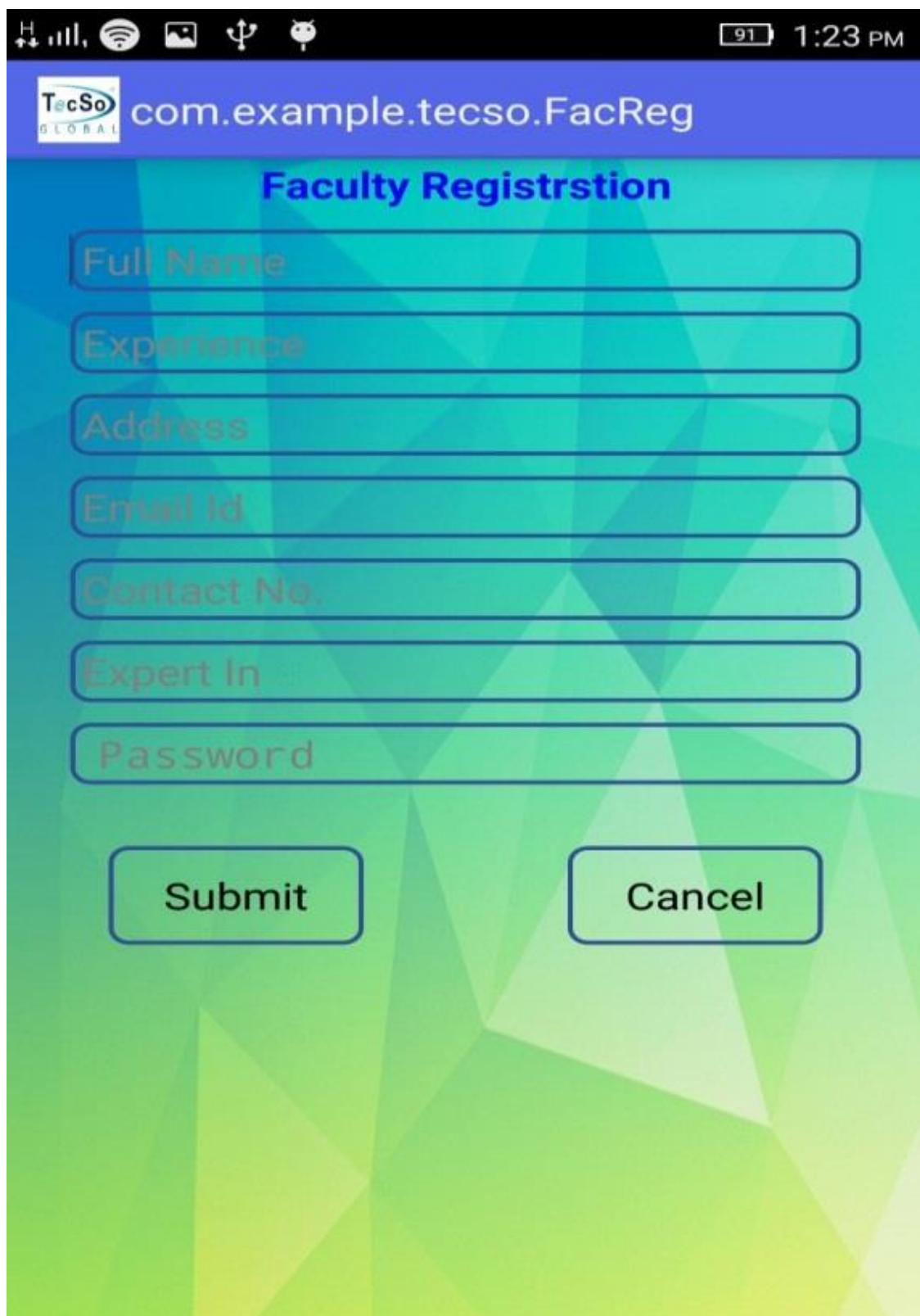


Fig: 5.2.7 Available Courses



A screenshot of a mobile application interface for faculty registration. The top status bar shows signal strength, Wi-Fi, battery at 91%, and time 1:23 PM. The app header is purple with the 'TecSo GLOBAL' logo and the URL 'com.example.tecso.FacReg'. The title 'Faculty Registrstion' is in blue. The form has seven text input fields: 'Full Name', 'Experience', 'Address', 'Email Id', 'Contact No.', 'Expert In', and 'Password'. At the bottom are 'Submit' and 'Cancel' buttons. The background is a green and yellow geometric pattern.

com.example.tecso.FacReg

**Faculty Registrstion**

Full Name

Experience

Address

Email Id

Contact No.

Expert In

Password

Submit

Cancel

Fig: 5.2.8 Faculty Registration Form

The screenshot shows a mobile application interface for a Leave Permission Form. The app is titled "com.example.tecso.GrantLea.." and features a TecSo GLOBAL logo. The form has a teal and green geometric background. It includes labels for "Name", "Course", "Faculty Name", and "Reason". At the bottom, there are two buttons: "Grant" and "Reject".

Fig: 5.2.9 Leave Permission Form

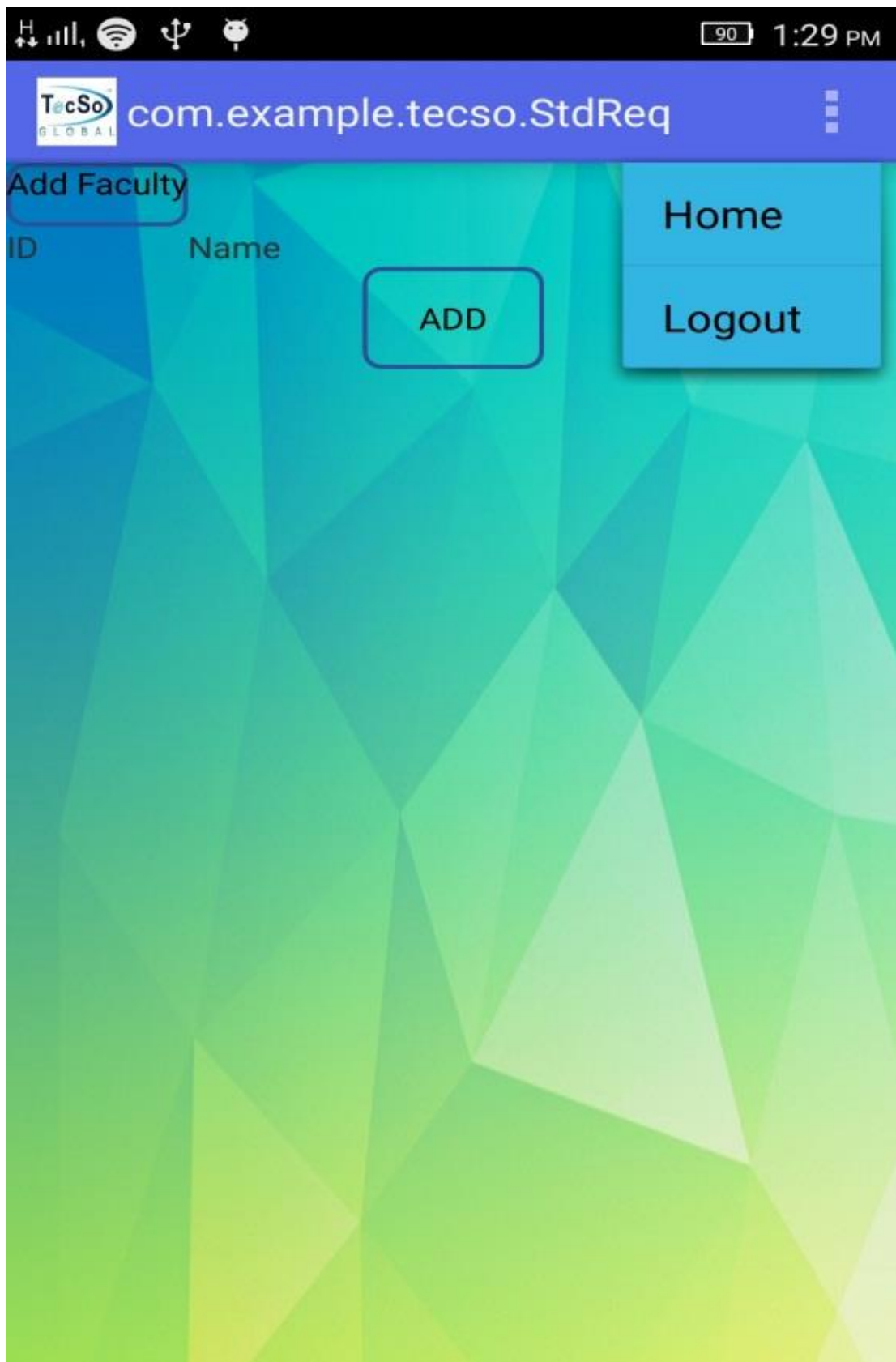


Fig: 5.2.10 Assign Faculty to Intern

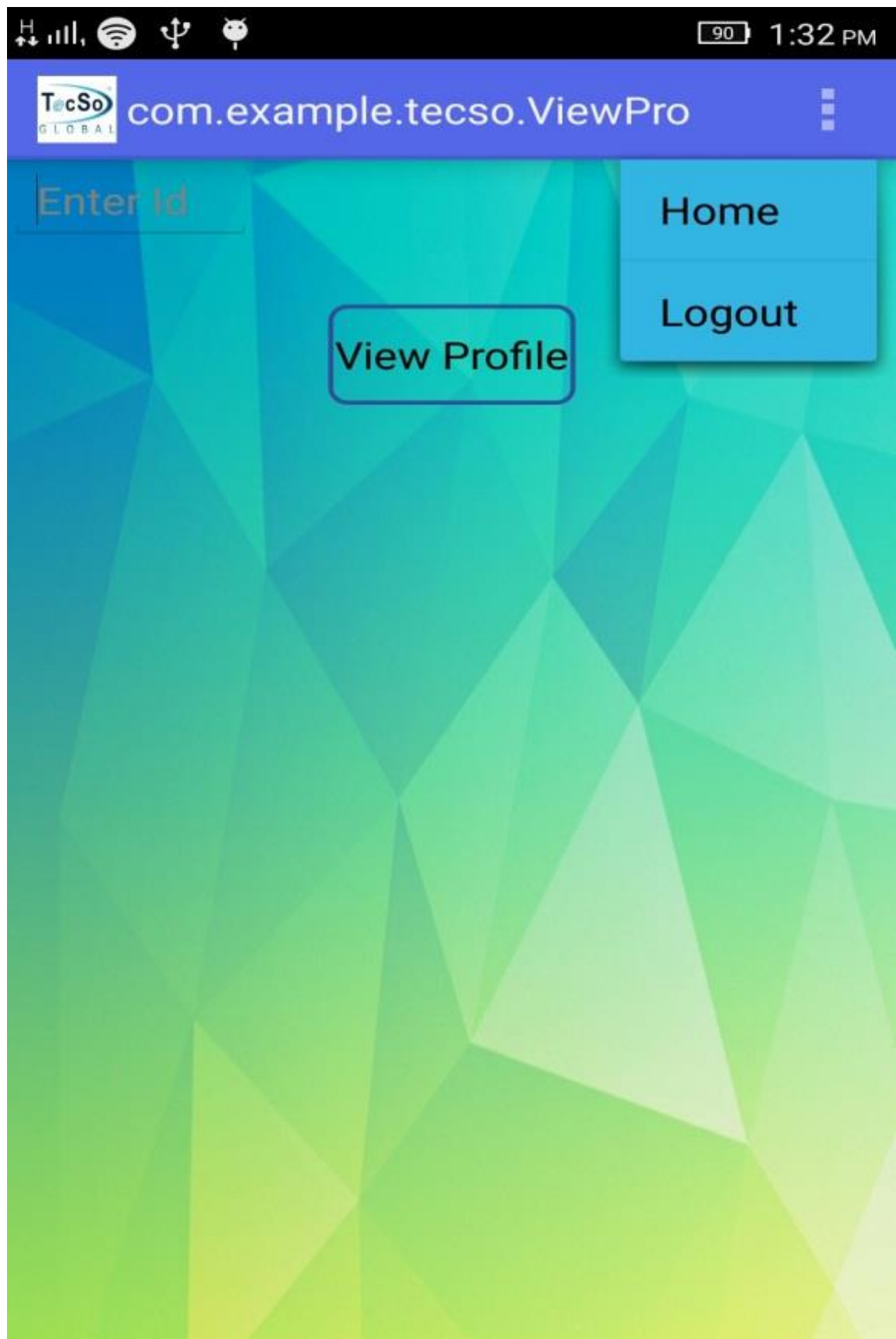


Fig: 5.2.11 View Intern Profile



The screenshot shows a mobile application interface for an admin user. At the top, there is a status bar with icons for signal strength, USB, and battery, along with the time 2:26 PM. Below this is a blue header bar containing the TecSo Global logo and the text 'com.example.tecso.StdPro'. The main content area has a green and yellow geometric background. On the left, there are five text input fields with labels: 'Name', 'Course', 'Faculty Name', 'Feedback', and 'Remark from admin'. On the right, there is a blue menu with two options: 'Home' and 'Logout'.

Fig: 5.2.12 Intern Profile Page for Admin