Mehran University of Engineering and Technology Jamshoro, Sindh

Project Title:

Interactive Digitalized MUET Jamshoro Admission Form Filling & Generator

Name:	Muhammad Ahsan
Group Member:	20SW106
Subject:	Mobile Application Development (SW327)
Supervisor:	Ms. Mariam Memon

Department of Software Engineering, Mehran University of Engineering & Technology Jamshoro, Sindh.

Project Report

Abstract/Brief Description

In the era of technological advancements, the traditional form-filling and submitting procedure each semester/year in MUET has become a cumbersome, time-consuming, and frustrating job for students. The complicated task of printing hardcopy forms first, and then manually filling their required fields, with attaching physical photographs is a headache for students.

This Semester Project, of Mobile Application Development, titled "Interactive Digitalized MUET Jamshoro Admission Form Filling & Generator", aims to revolutionize this outdated system by leveraging the power of mobile technology.

My project focuses on the development of a user-friendly mobile application built using the Flutter framework. The primary objective is to create an interactive admission form generator that allows students to complete the entire application process digitally. This application will provide students with a seamless and convenient solution, eliminating the need for physical paperwork and data entry.

Key features of the application include:

1. **Digital Form Filling**: Students will be able to input their personal information, including name, roll number, address, and other required details, by simply typing on their mobile devices. This eliminates the need for manual handwriting in printed forms and enhances efficiency.

2. **Softcopy Photo Upload**: The application will enable students to upload a softcopy of their photograph directly from their device's gallery or camera, eliminating the need for physical photograph attachment with glue/tape/staples, etc.

3. **Real-time Validation**: The application will incorporate validation checks to ensure that all mandatory fields are completed accurately.

4. **Filled Soft Copy Generator**: Upon successful completion of the form, the application will enable students to save the filled form and download it as a PDF in their device storage, from where they can manually forward the filled form to their designated print station or personal printer for printout purpose for submitting to the department.

5. **Future Recommendations**: The application will generate a complete form submission package that can be directly submitted electronically to the educational institution submissions department.

Traditional Method of Admission Form (i.e., 4th Year and Final Year)

Hard Copy Printout first, then manually filling each field with a pen and pasting of physical photograph with glue, staple, etc., which was a real headache for students.

ISO 9000
Certified

MEHRAN UNIVERSITY OF ENGINEERING & TECHNOLOGY, JAMSHORO.

**APPLICATION FORM FOR ADMISSION TO
BACHELOR OF ENGINEERING ARCHITECTURE, CITY &
REGIONAL PLANNING COURSES.**

PHOTOGRAPH
(RECENTLY
TAKEN)

**The Chairman / Director
Department of** _____
**Mehran University of Engg. & Tech.
Jamshoro.**

Sir,

I.D. No_____

I request of admission to **FOURTH YEAR / FINAL YEAR** Engineering / Architecture / City
_____
& Regional Planning in the Batch _____
My particulars are given below:-

1.   (a) Name (in block letters)
          Mr./Miss _____

    (b) Father's Name: _____

    (c) Surname: _____

    (d) National Identity Card No:

    (e) Place of Domicile _____ Mobile No _____

    (f) Religion _____ Nationality _____

    (g) Nationality Identity Card No: of Father / Guardian

2.   Address

    (a) Home Address: _____
          _____

    (b) Postal Address: _____

    (c) Telephone No if any _____ Mobile No: Father/ Guardian _____

3.   Enrolment Card No _____ Dated: _____

4.   Are you residing in any Hostel of the University? If yes, in which Hostel and Room No:

_____

5.   Are you nominee from any Agency? If yes, Please mention name & nominating agency:

_____

UNDER-TAKING DECLARATION

I hereby declare that the statements made above are correct to the best of my knowledge and belief and hereby agree, if admitted, to abide by the rules and regulations of the University in force form time to time.

Place _____

Dated _____

SIGNATURE OF THE APPLICANT

_____

I.D NO _____

FOR OFFICE USE ONLY

The particulars of the above named student as mentioned above have been checked and found correct Consequently, he/she is allowed admission in SECOND YEAR _____ Engineering, Architecture, City & Regional Planning Class with _____ Batch.

Stamp of the
Concerned Chairman/Director
of the Department

Signature
Chairman/ Director, Department of

_____
Engineering / Architecture /
City & Regional Planning

Digitalized Form (4ᵗʰ Year and Final Year)

Completely digitalized form hassle free filling by typing and inserting softcopy photograph, developed in flutter. The text fields takes the input of data from the student and allows them to pick and attach softcopy of their photograph from their device storage respectively.

ISO 9000
Certified

MEHRAN UNIVERSITY OF ENGINEERING & TECHNOLOGY, JAMSHORO.

APPLICATION FORM FOR ADMISSION TO BACHELOR
OF ENGINEERING ARCHITECTURE, CITY &
REGIONAL PLANNING COURSES.

The Chairman / Director
Department of Software Engineering
Mehran University of Engg. & Tech.
Jamshoro.

PHOTOGRAPH
(RECENTLY
TAKEN)

Sir,   I.D No. 21CE999

  I request admission to FOURTH YEAR/ FINAL YEAR Engineering / Architecture / City
& Regional Planning in the Batch 19EL
My particulars are given below:-

1. (a) Name (in block letter)
    Mr./Miss _____

  (b) Fathers Name: _____

  (c) Surname: _____

  (d) National Identity Card No:

					■							■	

  (e) Place of Domicile _____ Mobile No _____

  (f) Religion _____ Nationality _____

  (g) National Identity Card No: of Father / Guardian

					■							■	

2.   Address

  (a) Home Address: _____

           _____

  (b) Postal Address: _____

           _____

  (c) Telephone No if any _____ Mobile No: Father/ Guardian _____

3. Enrolment Card No _____ Dated: _____

4. Are you residing in any Hostel of the University? If yes, in which Hostel and Room No:

_____

5. Are you nominee from any Agency? If yes, Please mention name & nominating agency:

_____

UNDER-TAKING DECLARATION

I hereby declare that the statements made above are correct to the best of my knowledge and belief and hereby agree, if admitted, to abide by the rules and regulations of the University in force form time to time.

SIGNATURE OF THE APPLICANT

Place _____

Dated _____

_____

I.D No. 21CE999 _____

FOR OFFICE USE ONLY

The particulars of the above names student as mentioned above have been checked and found correct

Consequently, he/she is allowed admission in SECOND YEAR Mechanical _____ Engineering, Architecture,

City & Regional Planning Class with 20CS _____ Batch.

Stamp of the
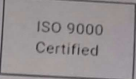Concerned Chairman/Director
of the Department

Signature
Chairman/ Director, Department of

_____
Engineering / Architecture /
City & Regional Planning

Final Outcome/ Output of the Project

A classmate's final printed form is attached below which shows the real life implementation of my semester project which eliminates the need for the physical photograph attachment process by glue or by some other means as well as rest of the other fields which requires handwriting filling:

Front Side of the Form

3. Enrolment Card No _____ Dated: 6 Dec 23

4. Are you residing in any Hostel of the University? If yes, in which Hostel and Room No:

No

5. Are you nominee from any Agency? If yes, Please mention name & nominating agency:

No

UNDER-TAKING DECLARATION

I hereby declare that the statements made above are correct to the best of my knowledge and belief and hereby agree, if admitted, to abide by the rules and regulations of the University in force form time to time.

Place Hyderabad Jamshoro

SIGNATURE OF THE APPLICANT

Dated 6 Dec 23

_____

I.D No. 20SW078

FOR OFFICE USE ONLY

The particulars of the above names student as mentioned above have been checked and found correct Consequently, he/she is allowed admission in SECOND YEAR Software Engineering, Architecture, City & Regional Planning Class with 20SW Batch.

FOR OFFICE USE ONLY

The particulars of the above names student as mentioned above have been checked and found correct Consequently, he/she is allowed admission in SECOND YEAR Software Engineering, Architecture, City & Regional Planning Class with 20SW Batch.

Stamp of the
Concerned Chairman/Director
of the Department

Signature

Chairman/ Director, Department of

_____
Engineering / Architecture /
City & Regional Planning

Remarks/ Conclusion/ Future Recommendations

Finally, the printed form can be submitted to the respective department/institution to the chairman/clerk for verification which is a compulsory task for every student in at least once a year/every year. In the future work, anyone can modify the existing form application and create an interface which allows us to directly submit the form to the respective departments instead of physically printing first and then manually submitting to the respective chairman or clerk office.