

CAMPUS DESIGN (UNIVERSITY OF SARGODHA)
GUJRANWALA



ADVISORS

DR.SAIMA GULZAR

AR. ILYAS MALIK

AR.SARMAD

SUBMITTED BY

M.UMAR KHALID

ID.NO:13003101017

SCHOOL OF ARCHITECTURE AND PLANNING (SAP)
UNIVERSITY OF MANAGEMENT AND TECHNOLOGY

2018



“Read; in the name of your Lord who created,
Created man from a clot.

“Read and your Lord is the most bounteous
Who taught by the pen.

Taught man that which he did not know”

(Al-Quran)

DEDICATION

TO THE ALMIGHTY, THE PROVIDER, THE SUSTAINER, WHO
EMBEDDED IN ME THE ABILITY TO TAKE CHALLENGES, AND BESTOWED ON ME
SUCH LOVINNG PARENTS WHOSE VERY EXISTENCE HAS GIVEN ME THE DRIVE TO
MATERIALIZE THE CHALLENGES INTO ACCOMPLISHMENT.

ACKNOWLEDGMENT

In the name of Allah, the Most Gracious and the Most Merciful

Alhamdulillah, all praises to Allah for the strengths and His blessing in completing this project. Special appreciation goes to my teachers, Prof Dr. Yousaf Awan, Dr Saima Gulzar and Asst. Prof Ilyas Malik, Asst. Prof Sarmad for their supervision and constant support. Their invaluable help of constructive comments and suggestions throughout the experimental and project works have contributed to the success of this project. Not forgotten, my appreciation to my other teachers, Asst. Prof Zahid Tauqir, Asst. Prof Faiqa Khilat and Sana Malik Lect. Beenish Mujahid for their support and knowledge regarding this project.

I would like to express my appreciation to the Department of Architecture and Planning.

Sincere thanks to all my friends especially Bilal Khalid, Umair, Naimat, Hannan, Abudl Rehman and others for their kindness and moral support during my study. Thanks for the friendship and memories. Last but not least, my deepest gratitude goes to my beloved parents for their endless love, prayers and encouragement. Thank you very much.

ABSTRACT

Education plays a key role in developing a society. In fact, getting education is the fundamental right of every human being. However, gender differences still exist in Pakistan, especially in the education sector.

“The United Nations Development Program has presented some facts in a report that public expenses on education make up only 2.7 percent of the GDP in Pakistan.”

Education is the process of bringing desirable change into the behavior of human beings. It can also be defined as the “Process of imparting or acquiring knowledge or habits through instruction or study”. The behavioral changes must be directed towards a desirable end. They should be acceptable socially, culturally and comically and result in a change in knowledge, skill, attitude and understanding.

To establish a state of the art training facility for the development of human resource and management sciences.

To promote higher education in the country and alleviate poverty.

To promote interdisciplinary education, research and outreach specifically.

Therefore, the aims of the proposed university are as follows:-

- To provide best learning environment as a mean for progress
- Personality development as an aim of education
- Interaction and social environment

ROLE OF UNIVERSITY IN PERSONAL DEVELOPMENT:

University is the place where a person polish himself and make his own identity through discussions and interaction with different professional

and students and teachers to make himself more determinant towards his destiny and goals.

As a result of this project, the students get better opportunity and access to higher education is an improved learning environment. They will turn be able to contribute more positively in the socio economic development of the country as a whole because Education in the largest sense is any act or experience that has a formative effect on the mind, character or physical ability of an individual .in its technical sense, education is the process by which society deliberately transmits its accumulated knowledge, skills and values from one generation to another. Education correlates with nation-build .Both of them complement each other .A nation cannot be built without education. With education, professionals are natured that will enhance nation building. To continue to build nations, educate citizens, because education shapes the attitude and behaviors and values of citizens. These are qualities that are needed for nation building and it is only education that will bring those mechanics’.

TABLE OF CONTENTS

CHAPTER 1: INTRODUCTION OF THE REPORT (1-2)

1.1: PROJECT TITLE

1.2: INTRODUCTION

1.3PROJECT DESCRIPTION

1.3.1 CLIENT

1.3.2 SITE

1.4FEASIBILITY

1.5CLIENT BRIEF

1.6OBJECTIVE

1.7SCOPE OF WORK

CHAPTER 2: CONCEPT DEVELOPMENT OF A UNIVERSITY CAMPUS (3-11)

2.1 INTRODUCTION

2.2 TYPES OF UNIVERSITIES

2.3 TYPES OF LAYOUTS

2.3.1 CENTRAL FOCUS MODEL

2.3.2 GRID IRON MODEL

2.3.3 LINEAR MODEL

2.3.4 MOLECULAR MODEL

2.4 TYPES OF STYLE

2.4.1 MONO FORM

2.4.2 METAMORPHIC

2.4.3 MOSAICS

2.5 FUNCTIONAL BUILDING REQUIREMENT

2.5.1 THE FACULTY BLOCK

2.5.2 CENTAL LIBRARY

2.5.3IT CENTER

2.5.4 RECREATIONAL ACTIVITY

2.5.5 HOSTEL ACCOMODATION

2.5.6 STAFF HOUSING

2.5.7 STUDENT UNION

2.5.8 Zoning

CHAPTER 3: SITE ANALYSIS (12-14)

3.1 GUJRANWALA CITY

3.2 SITE LOCATION AND LINKAGES

3.3 SURROUNDINGS

3.4 LAND ANALYSIS

3.5 INFRA STRUCTURE

3.6 CLIMATE

3.7 REASON FOR THE SITE SELECTION

CHAPTER 4: CASE STUDIES (15-24)

4.1INTERNATIONAL AUSTARLIAN NATIONAL UNIVERSITY

4.1.1HISTORY

4.1.2 CAMPUS PLANING

4.1.3 ACADEMICS

4.2 LOCAL CASE STUDIES

4.2.1: UNIVERSITY OF LAHORE

CHAPTER 5: ACADEMIC PROGRAM OF CAMPUS (25-29)

5.1 FACULTY OF APPLIED SCINCES

5.2 FACULTY OF EDUCATION

5.3 FACUTY OF ENGINEERING TECHNOLOGY

5.4 FACULTY OF ARTS AND ARCHITECTURE

5.5 FACULTY OF ARTS AND ARCHITECTURE

5.6 FACULTY OF IT AND BUSSINESS

5.7 TEACHER STUDENT RATIO

CHAPTER 6: BUILDING PROGRAMS (30-40)

6.1 SPATIAL REQUIREMENT

6.1.1 FACULTY OF APPLIED SCINCES

6.1.2 FACUTY OF ENGINEERING TECHNOLOGY

6.1.3 FACULTY OF ARTS AND ARCHITECTURE

6.1.4 FACULTY OF ARTS AND ARCHITECTURE

6.1.5 FACULTY OF IT AND BUSSINESS

6.2 SPATIAL REQUIREMENTS FOR REST OF BUILDINGS

6.2.1 ADMIN BLOCK

6.2.2 MOSQUE

6.2.3 SHOPPING CENTER

6.2.4 CAFETRIA

6.2.5 SPORTS COMPLEX

6.2.6 STAFF HOUSING

6.2.7 LIBRARY FOR 2, 50,000 BOOKS

6.3 TOTAL AREA

CHAPTER 7: MASTER PLAN

7.1 PLANS, ELEVATION. SECTION

7.2 3D VIEWS

CHAPTER8: BIBLIOGRAPHY

8.1 INTERNET

8.2 BOOKS

CHAPTER 1.....INTRODUCTION OF THE REPORT

1 PROJECT TITLE:

The title of the project is "UNIVERSITY OF SARGODHA" Gujranwala campus.

1.2 INTRODUCTION:

Growth of higher education in Pakistan does not meet the growth rate of population here. More universities are required to built here .we have seen a little progress recently in this record due to combine effort the higher education commission and the private sector. This progress must not stop here and should go on future. The project I have selected in an addition to these efforts improving higher education in Pakistan.