



BAHRIA UNIVERSITY, (Karachi Campus)

Department of Software Engineering

Semester Fall 2023

COMPLEX ENGINEERING PROBLEM

Course Title: Computer Architecture & Logic Design Lab

Class: BSE-3(A/B/C)

Course Instructor: Engr. Ramsha Mashood

Lab Instructor: Engr. Noor us Sabah

Course Code: CEL 220

Shift: Morning

Date: 25th November, 2023

Max. Marks: 20 Marks

NOTE:

- This is a Complex Engineering Problem Lab Project.
- Demonstration of Project will be on the week before Theory Exam.
- Group Members Should be 3 or 2.

Lab Project Task:

[CLO 3 , 15.0 marks]

The Student should fulfill the following requirements in their lab project.

1. Create a Simple Program Using MIPS assembly Language or design any hardware using logic gates and IC's.
2. It's essential to use some features, we learned in our lab.
3. If making hardware project the component specification document is compulsory.
4. Circuit must be simulated using Multisim.
5. Language should be Assembly.
6. Implement Customer based project or implement some new idea.

Lab Project VIVA:

[CLO 6 , 5.0 marks]