**Project Proposal**



**Fall 2021**

# Computer System Programming Lab

**Submitted By group members**

**Names Registration No**

**Tiham khan 19pwcse1807**

# Muhammad Ali 19pwcse1801

**Wajid Ullah 19pwcse1759**

Section: **A**

**Date**: 9,1,2022

**Submitted to:**

**MAM. Madiha Sher**

Department of Computer Systems Engineering

University of Engineering and Technology,Peshawar

**Project Name: -**

**“Devices handling”**

**Project overview: -**

I and my project members decided with mutual understanding to work on a project named as “device handling”. Probably, we will work on this project through some major concept of associated with system programming in Linux operating system. Obviously, devices are handled by kernel consist of different modules and device drivers, but specifically we will try to handle one or more devices through our own system programs.

**Tools/platform/functions usage for project: -**

* Linux (ubantu) operating
* Editor (software for coding)
* C /C++ language and its compiler
* Different system calls i-e open,read,write,close etc.

**Background: -**

Background of this project is the interaction of system module with device files, Device files are also known as [device special files](https://en.wikipedia.org/wiki/Device_file). Device files are employed to provide the operating system and users an interface to the devices that they represent. All Linux device files are located in the /dev directory, which is an integral part of the root (/) filesystem because these device files must be available to the operating system during the boot process.

One of the most important things to remember about these device files is that they are most definitely not device drivers.