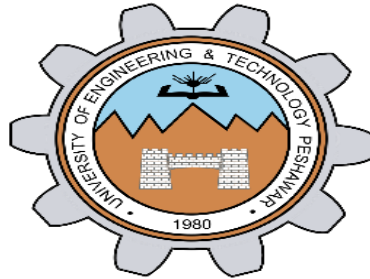


Project Proposal



Fall 2021

Computer System Programming Lab

Submitted By group members

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Section: A

Date: 9,1,2022

Submitted to:

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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 (ubuntu) 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. 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.