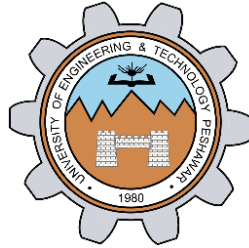**Technical Writing**

**Mid Term**



**Spring 2021**

**CSE311 TW**

Submitted by: **Shah Raza**

Registration No. : **18PWCSE1658**

Class Section: **B**

"On my honor, as student of University of Engineering and Technology, I have neither given nor received unauthorized assistance on this academic work."

Student Signature: _____

Submitted to:

**Engr. Naina Said**

Monday, May 24, 2021

**Department of Computer Systems Engineering**

**University of Engineering and Technology, Peshawar**

**Moral:**
We may be doing Plagiarism without even knowing that we are doing it. We should always do our own work and looking at someone else's ideas before we start working on our own may affect our ideas and we are bound to do Plagiarism in that case. Always start by trying yourself and thinking about it before taking help.

AoA Sir,

I hope this email finds you in the best health. I would like to bring something to your attention that is causing a misunderstanding between our batch and one of our respected teachers. Last semester was conducted online and each and every teacher tried to the best of their abilities to help us in every way possible. After the Final Exam (Last paper: 19 Feb 2021), online vivas were conducted. However, one of the respected teachers, Mr. Nasir Ahmed wanted to take a physical viva in the month of April, keep in mind that all the institutes are closed from 18th March. He also threatened to award I grades if any student fails to appear.

We as students respect him and we believe we are fortunate enough to have a brilliant teacher like Mr. Nasir Ahmed who will go to any length to make our concepts clear. And we also understand that his intentions are good and he only wants the best for us. But summoning students for a physical viva when the Pandemic is at its peak and students are stuck in their homes in far-off areas is a bit unfair. We are ready to give online viva but he would not agree to it. I would like to suggest a few alternatives.

**Alternatives:**
Take Online Viva with Cameras On. (Best Case)
Mark on the basis of Mid and Final Term. (Worst Case)

Physical Viva after the University opens is also an option but that is also unfair because our concepts may have gotten a bit blurry after that much time in-between. Kindly convince him to take an online viva. Thank you for taking the time to read this.

Respectfully,
Shah Raza
Department: DCSE
Reg no: 18PWCSE1658

# What is Programming and Why is it needed

When we are born, we don't know about anything. We don't know how to walk, what to eat, how to talk. The people around us (mostly Mothers) help us understand these things, they kind of give us instructions in the form of their actions and behaviors. It is due to these instructions that we learn new things. A **Program** can be thought of in a similar way, instead of telling us what to do, a program instructs the **computer** what to do. Computers by themselves have no idea what their function is. A program helps us informing the computer about its function. This process of giving instructions to the computer is known as **programming**.

If we look around ourselves, we will see how hard people are working and how much they have on their plates, our routines have become very busy and we need **something** to make things easy for us. That **something** is a computer. A computer can do anything depending upon how we program it. If we want a computer to do a specific job, we need a program that tells the computer how to do that specific job. We have to teach it before we use it. The person who writes programs for these computers is known as a **Programmer**. A good programmer is one that tells the computer how to do a job in the most effective way possible.

We speak different languages, if we do not understand some language we consult a translator to help us understand it. Similarly, a Program is written in different languages, the computer only understands one language that is **Machine language**. When we write a program in some other language, we need an **Interpreter** to translate that language into Machine language so that the computer can understand it.

Programming is a fun thing to do. Everyone can be a programmer and instruct the Computers. We have had some brilliant programmers who have made computing much simpler and helped us make things easy to do. You can do it too and one day you will also be called a Programmer.