**Circuit & Systems II**

The Final Grade will depend upon performance in ~10 Forthcoming Projects.

Examples of these Projects are:

Low/High Pass filters, Op Amp in Integration configuration and Function Generator etc.

**Methodology**

1. I will provide you with schematics and in initial Projects step wise instructions how to perform the project.
2. Each **Group** should have a Lab report (the report will be Group report) with the schematic drawing, theoretical calculations and output value for at least **Three (3)** Scenarios.
3. Each Group can decide Power Supply type (AC/DC), Voltage and Amplitude values.
4. Each Group can decide the components (Resistor, capacitor and inductor) values and do theoretical and experimental procedure accordingly.
5. The successful demonstration of project will be considered **ONLY & ONLY** when output has only 15% deviation from mathematical answer.
6. When called for quiz the student should have the breadboard, components and Lab report (Groups should share Lab report) in hand. Time for assembling & demonstration will be 20 and 15 minutes respectively.
7. Because of Time Constraint (Each student has to demonstrate all the projects) being Absent, Not having necessary accessories (breadboard, components, Group Lab report etc) or out on an errand will result in losing your time slot.
8. Group Performance can only enhance your grade.

**Grading**

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| **B-** | Successful demonstration of 8/10 Projects. |
| **B** | (1) Successful demonstration of All projects.  (2) Answer 25% of demonstration questions. |
| **B+** | (1) Answer 50% of demonstration questions.  (2) Performance of Group mates. |
| **A-** | (1) 80% of demonstration questions.  (2) Group Performance. |
| **A** | 100% demonstrated knowledge. |

**Bonus Grade:** Students with **'A'** grade have the privilege to increase 2 student's grades by a notch.

Note:-

1. If you have any questions in the document please forward those to your respective CR and I will update it accordingly.
2. Because of me being one with 120 students please don't judge my judgment in giving Grades. The only time one of you can do that is when he thinks I am being "Personal" with him.
3. With deep regret I have to break it to you guys, "NONE OF US IS A GENIUS". Thinking that opening Lab Report in Class for the first time and be able to perform it, is a flawed methodology. If you are not able to perform doesn't mean the problem is in Equipment, Professor, UET or Your intelligence. It is because of not giving the due time and effort.