ENGINEERING 101

Course Overview
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What Can you Expect in this Course

- We get to know each other.
- You will be divided into groups of 6 students.
- Each group will be divided into sub-groups of 3 students.
- Project ONE will be performed by groups of three.
- Project TWO will be performed by groups of six.
What Can you Expect in this Course

- Homework is performed on an individual basis unless instructed otherwise.
- Class exercises will be performed in sub-groups.
- I will lecture on several chapters from your text book.
What Can you Expect in this Course

- You will read some of the chapters on your own and you will be given homework on those chapters.
- Most of the materials in the text book will be indirectly covered through the two major projects.
- Project ONE deals with engineering data analysis.
What Can you Expect in this Course

- Project ONE deals with engineering data analysis.
- This is an important project through which you become an Excel power user.
- You will learn many basic and several advance data analysis technique performed in Excel.
- You will be exposed to VISUAL BASIC.
What Can you Expect in this Course

- Deliverables for Project ONE:
  - Several Class Exercises
  - Group Technical Report
  - Group Technical Presentation
What Can you Expect in this Course

- Project TWO is a design project.
- Project TWO will be performed in groups of six students.
- Teamwork and iterative design process will be the main theme of project TWO.
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- Deliverables for Project TWO:
  - Two competitions
    - Preliminary stage competition
    - Final competition
  - Group Technical Report
  - Group Technical Presentation