



followed to enhance your research and writing. Library support has to be obtained for writing your final reports. However, a general format should follow the following guidelines:

- Title of assignment, summary, introduction, main study of the topic, results, and discussion and conclusions.
- All assignments word-processed.
- You must cite the sources of all ideas, use facts and information in your own words, (failure to do so is plagiarism, even if the oversight is unintentional).
- Supporting your report is central to the task of writing your report. You are not merely copying information from another author, but using evidence to support the contentions of your findings and critical analysis of related literature.
- Report not to exceed three pages

**1- Make a detailed either of the following as per your main Architectural Design Project for:**

**2- HVAC system layout.**

**3- The electrical installation ( lighting + Power )**

**4- AHU and air distribution**

**5- Main plant room + units allocations for cooling and heating**

**6- Rain waters system design for sustainable building design.**

**7- Psychometric processes and thermal comfort in built environment.**

**8- Structures and Human response to unconditioned buildings.**

**9- High rise building design to meet the Harsh wind speeds.**

**10-Architectural and Environmental considerations to window design in buildings**

**10- Graphing psychrometric chart and indicating all processes of cooling heating and cooling dehumidification heating dehumidification and heating and cooling humidification**

**11-**

**FRAME WORK Apply wherever required:**

- 1- Definitions.**
- 2- Types of installations**
- 3- The spaces and shafts dimensions.**