**Overview** -

You will provide a comprehensive and detailed manual documenting the step-by-step process for building a computer. The manual will be used by entry-level technicians, so it should be clear, concise, and formatted using the IEEE citation style.

**Computer Requirements -**

motherboard with Socket 1366

power supply that supports the specified motherboard

fastest processor possible (available on the shelf and compatible with the motherboard)

maximum memory possible

fastest hard drive possible

CD-DVD drive with fastest connection to the motherboard

best video card available (available on the shelf and compatible with the motherboard)

**Manual Sections -**

In addition to including the sections listed below, your manual should

address the environment in which the computer build will take place. For example, what are the best practices when working in a carpeted room?

not use computer jargon. Although the manual will be used to train new technicians, it may also be used by someone with limited computer knowledge, so the manual must be easy to understand.

include explanations on methodology. For example, why is it important to use an antistatic grounding bracelet when working with the computer? Or why is it important to install memory sticks in pairs?

1. Workspace Preparation
2. Installing Motherboard
3. Installing Power Supply
4. Installing CPU
5. Installing RAM
6. Installing Hard Drive
7. Installing Optical Drive
8. Installing Video Card
9. Connecting Monitors, Keyboard, and Mouse
10. BIOS Configuration
11. Installing Windows 7
12. Configuring Critical Windows Features