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| **Group : 6 Roll No.** | **41,42,43,44,45,46,47,48** | | | |
| **Name of Microproject** | **Computer Motherboard** | | | |
| **Details of Student(s)** | **Enrollment #** | **Exam Seat #** | **Name of Student(s)** | |
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| **Project Guide(s)** | Prof. S. V. Sarode | | | |
| **Name of Industry** | NA | | | |
| **Nature of Project** | Application Base | | | |
| **Application(s) of Project** | Software Industry | | | |
| **Abstract**: Motherboard means specifically a PCB with expansion capabilities. As the name suggests, this board is often referred to as the "mother" of all components attached to it, which often include peripherals, interface cards, and daughtercards: sound cards, video cards, network cards, hard drives, and other forms of persistent storage; TV tuner cards, cards providing extra USB or FireWire slots; and a variety of other custom components. | | | | |
| **Introduction**: A motherboard (also called mainboard, main circuit board, system board, baseboard, planar board, logic board, and mobo) is the main printed circuit board (PCB) in general-purpose computers and other expandable systems. It holds, and allows communication between, many of the crucial electronic components of a system, such as the central processing unit (CPU) and memory, and provides connectors for other peripherals. Unlike a backplane, a motherboard usually contains significant sub-systems, such as the central processor, the chipset's input/output and memory controllers, interface connectors, and other components integrated for general use. Similarly, the term mainboard describes a device with a single board and no additional expansions or capability, such as controlling boards in laser printers, television sets, washing machines, mobile phones, and other embedded systems with limited expansion abilities. | | | | |
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| **Fig. 1: Motherboard** | **Fig. 2: CPU** | | | **Fig. 3: Computer** |
| **Competitions**: NA | | | | |