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| **INPUT DEVICES** | **OUTPUT DEVICES** |
| An Input device is any hardware device which enables the user to enter data and instrucutions into a computer. | An output device is any hardware component that use received data from a computer to perform a task. |
| An input device can send data to another but it cannot receive data from another device. | An output device can receive data from another device and generate output with that data,but it cannot send data to another device. |
| Input devices are necessary for a computer toi receive commands from its users and data to process. | Output devices are necessary for a computer to share its results and prompt users for more information and commands. |
| Input devices are controlled by the user. | Output devices are controlled by the computer. |
| Input devices are relatively complicated as they have complex coding that ensures that the uiser can interact with computer correctly. | Ouput devices are simpler for the user since they only see the reslults and do not have to learn the processes. |
| Keyboard and mouse, microphone, webcam, image scanner, microphone, pointing device, touch screens, graphics table, Opticl characteer reader(OCR), joystick etc. | Printer, monitor, speakers, projector LCD projection panels, computer output microfilm, plotters etc. |
| EXAMPLES: Keyboard, Mouse, Light pen, Optical/magnetic scanner, Touch screen, Microphine for voice as input, Track Ball, Joystick, Camera, Web Cam. | EXAMPLES: Monitor, Printer, Headphones, Computer Speakers, Projector, GPS, Sound Card, Video Card, Braille Reader, Speech-Generating Device. |