Milan Humagain

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Week 01** | **Session 3 - Friday (2 hr)** | **Date – 14/07/2017** | **Present** | **Absent** |
| **Task & Activity**  **In this session, we had discussed about the portfolio and the marks carry by it during assignment. We had also discussed about video assemble. By looking at the small diagram representing Program – MS word – PC report doc.- Data.**  **In this topic, we also look at the embedded system of the computer on which we are operating. There, GHz represents how fast the computer can run and nm represents the distance between the silicon chips. The leading manufacturers of personal computer processor chips are Intel and AMD. We discussed about personal computer processors and intel processors including the definition of an embedded system. To know the system of our computer we must click on start button and then right click and then on system. We also discussed about the generation of computer. Apart from this we also talk about Moore’s law. There are two types of Buses one is Internal which is attached in CPU and on motherboard and the next one is External which is externally attached devices. We look at the diagram of “Generic” system bus and go in on North bridge and South bridge. Every computer in present have South bridge but some don’t have North bridge. Things will be complicated when some computers have two CPU’s. We learnt about intel chipset. In i7 there is no more North bridge. Modern computers have 64bit i.e. 641and O’.**  **Example: 1.06\*106 (FPU)**  **Either the CPU is 64 bits or 32-bit OS controls the function of CPU. Application designed for 32-bit don’t work in 64 bits.**  **We also discussed about Workshop safety care which includes what to do during Fire evacuation, electrical safety, RCD, fire alarm, switching power supply, etc.** | | | | |
| **Reflections**  **It’s very precious class for me as this all stuff are very new for me and today in this lecture I learnt many things about CPU’s, personal computer processors, intel processors, buses, bridges and many more.** | | | | |
| **Problems & Difficulties**  **Besides knowing these things too it’s a bit difficult to understand about chipset and multicores** | | | | |
| **Trouble shooting**  **Moodle is open book for us so when I revise these hard topics going through it I found it easy.** | | | | |