**Name of the Teacher:** Mandeep Kaur **Class:** B.Sc (Hons)-IT-I-SEM-V

**Subject:** Programming in C++-I  **Paper:** BSIT-502

**Lesson Plan**

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| **S No** | **Period** | **Topics to be Covered** | **Academic Activity to be Organized** |
|  | **17-31 July 2017** | Concepts of OOPS, Structure of C++, C++ data types, pointer, constant reference, operators( arithmetic, relational, logical and bitwise) and their precedence | Group Discussion and General Quiz |
|  | **01-31 Aug 2017** | Control flow statements. Enumeration,  Array ,Strings, Structures ,Union and Pointers | Practical Implementation of Simple & Nested Looping Constructs,  Multiple Choice Question Test |
|  | **01-30 Sept 2017** | Functions, scope and the free store allocation, recursion, in line functions, argument passing, reference and array argument, overloaded function names | Power Point Presentation  Video Presentation on Function Overloading |
|  | **01-31 Oct 2017** | Template functions, pointer to function, type –safe linkage.  Class definition, class objects, member functions, implicit this pointer, static class members | Power Point Presentation with videos |
|  | **01-13 Nov 2017** | Class scope, constructors and destructors. | Power Point Presentation,  and General Quiz |

**Topics of Assignments/ Class Tests to be given to the Students:**

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| **Assignment 1** | Discuss Control Flow Statements |
| **Assignment 2** | Argument Passing Techniques in Functions |
| **Class Test** | Array ,Strings, Structures ,Union and Pointers |