**INDIAN INSTITUTE OF INFORMATION TECHNOLOGY, ALLAHABAD**

**(Deemed University)**

(A centre of excellence in IT, established by Ministry of HRD, Govt. of India)

**Object Oriented Methodology Lab**

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**OOM Mini Project:** Digital Clock

**Abstract of the project**

Digital Clock is a Java Applet can display time in either the user’s time zone or any other time zone configured in the parameters. Configurable parameters include: color of clock text, color of frame surrounding the clock, background color for clock display, width of frame around clock display, style of date display. You can also display the clock in a raised pattern. You also have the option to choose either a 24-hour clock or a 12 hour one.

Write a program which works with the clock and gives a wake-up alarm to you on every morning by downloading a particular song (different one for each week day) and playing this song for daily wake-up. The song gets played and replayed until you wake up and closes the wake-up call.

**Specific Technology**

Java, Applet

**Project Tasks**

Use case analysis, Design, Implementation, and User Interface

### Submission

### The project presentation has to be done by each member to show periodically the progress and the complete project submission should contain the following:

* UML diagrams:-Use Case diagram, Class diagram, CRC diagram(s), illustrating the design of your program.

### All the Java source code should necessary to compile and execute.