Core Course X - **Operating Systems**

Unit I

History of operating systems – Computer architecture & its relation to operating systems – Operating systems – Functions & Structures.

Unit II

Information Management : File management, Device driver, Terminal I/O, CDROM.

Unit III

Process Management – Inter Process Communication.

Unit IV

Deadlocks - Study of Memory Management Techniques.

Unit V

File systems – Operating systems : Security & Protection.

Text Book:

1. Godbole Achyut. S., Operating systems, Second edition, TataMcGraw Hill, 2005 [ISBN 0-07-059113-x]
   [Unit-1 (Chapters - 1, 2, 3); Unit-2 (Chapters – 4); Unit-3 (Chapters – 5, 6); Unit-4 (Chapters – 7, 8); Unit-5 (Chapters –9)]

Reference Book:

1. George. K.J, Operating system – Concepts and Principles, Shroff publishers & distributors, ISBN 81-7366-794-2., 2004