

 <b>VITS, BHOPAL</b>		<b>VAISHNAVI INSTITUTE OF          TECHNOLOGY &amp; SCIENCE</b> <b>COMPUTER SCIENCE ENGINEERING</b> <u><b>ASSIGNMENTS</b></u>	<b>FORM          NO</b>	<b>VITS/A/04</b>
<b>BRANCH</b>	<b>CSE</b>		<b>REV. NO</b>	<b>04</b>
<b>SEMESTER</b>	<b>V</b>		<b>REV. DT</b>	<b>02/06/18</b>
<b>NAME OF FACULTY: RUPALI CHARDE</b> <b>SUBJECT: OPERATING SYSTEM (OS)</b>		<b>SUBJECT CODE: CS 5002</b>		

#### ASSIGNMENT-I

1. What is Operating Systems? Explain.
2. Explain Operating system services in detail.
3. What is System Call & System Boots?
4. Explain different Types of Operating System.
5. Explain Advantages & Disadvantages of Operating Systems.

#### ASSIGNMENT-II

1. What is File? Explain file allocation methods.
2. Explain directory systems of file.
3. Explain Disk & Drum Scheduling Algorithm.
4. What is Device Driver? Explain.
5. Explain Interrupt Service Routine in detail.

#### ASSIGNMENT-III

1. What is Process Control Blocks(PCB)?
2. Write Preemptive & non Preemptive process scheduling.
3. Explain Inter process communication in detail.
4. What is deadlock ? Explain deadlock avoidance.
5. Explain Process Management in Linux.

#### **ASSIGNMENT-IV**

1. Explain Memory Hierarchy in detail.
2. Compare MFT & MVT.
3. Explain contiguous and non-contiguous allocation.
4. Explain Concepts of virtual memory.
5. Explain Cache Memory Organization.

#### **ASSIGNMENT-V**

1. What is Distributed operating system?
2. Explain Parallel Processing & Concurrent Processing.
3. Explain Distributed Shared Memory(DSM).
4. Explain Computer Worms & Virus.
5. Explain Sensor network and parallel operating system.