**VELAMMAL COLLEGE OF ENGINEERING AND TECHNOLOGY, MADURAI**

**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

Academic Year : **2019-2020** Batch : **2016-2020**

Branch : **CSE** Year/ Semester/ Section : **IV/VII/A**

Course Code / Name : **CS6703 / Grid and Cloud Computing**

Course In charge: **Dr.S.Poonkuntran**

Course Component : **Core**

**Course Outcomes:**

Students will be able to

|  |  |
| --- | --- |
| 1. Describe the evolution of distributed computing
 | K2 |
| 1. Explain the architecture, standards, elements and services of grid

 computing  | K2 |
| 1. Distinguish the various deployment model and categories of cloud
 | K2 |
| 1. Implement the virtualization techniques using VMware
 | K3 |
| 1. Demonstrate the concepts of grid middleware packages using Globus

 Toolkit | K3 |
| 1. Illustrate the concepts of map reduce and Hadoop file system
 | K2 |
| 1. Interpret the security models in the grid and the cloud environment.
 | K2 |
| 1. *Select and Use appropriate Cloud Services for the given requirements.*
 | *K3* |

**CO - PO - PSO Mapping**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **CO** | **PO** | **PO1** | **PO2** | **PO3** | **PO4** | **PO5** | **PO6** | **PO7** | **PO8** | **PO9** | **PO10** | **PO11** | **PO12** | **PSO1** | **PSO2** |
| **K-level** | **K3** | **K4** | **K5** | **K5** | **K6** | **K3** | **K2** | **K3** | **K3** | **K2** | **K3** | **K3** | --- | --- |
| **CO1** |  | 2 | - | - | - | - | - | - | - | - | - | - | - | 1 | - |
| **CO2** |  | 2 | - | - | - | - | - | - | - | - | - | - | - | 1 | - |
| **CO3** |  | 2 | - | - | - | - | - | - | - | - | - | - | - | 1 | - |
| **CO4** |  | 3 | 1 | - | - | 1 | - | - | - | - | - | - | - | 1 | - |
| **CO5** |  | 3 | 1 | - | - | 1 | - | - | - | - | - | - | - | 1 | - |
| **CO6** |  | 2 | - | - | - | - | - | - | - | - | - | - | - | 1 | - |
| **CO7** |  | 2 | - | - | - | - | - | - | - | - | - | - | - | 1 | - |
| ***CO8*** |  | *3* | *1* | *-* | *-* | *1* | *-* | *-* | *-* | *-* | *-* | *-* | *-* | *1* | *-* |
| **Course Contribution** |  | 3 | 1 | - | - | 1 | - | - | - | - | - | - | - | 1 | - |

|  |  |
| --- | --- |
| 3 | Strong Contribution |
| 2 | Moderate Contribution |
| 1 | Weak Contribution |

**Course In-charge Course Coordinator Module Coordinator HoD**