**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&B

Course Code / Name : CS6712/Grid and Cloud Computing Lab

Course Incharge : Dr.S.Poonkuntran

Course Component : Core

**Course Outcomes:**

Students will be able to

|  |  |
| --- | --- |
| CO1: Develop web services and portlet application  | K3 |
| CO2: Build applications using REST API | K3 |
| CO3: Develop application with security mechanisms | K3 |
| CO4: Demonstrate the virtualization concepts in cloud environment | K3 |
| CO5: Implement a single node cluster environment and map reduce concept in Hadoop framework  | K3 |
| CO6: *Develop a mobile app that uses cloud service* | K6 |

**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** | **K3** | 3 | 2 |  |  | 1 |  |  |  | 3 |  |  |  | 2 | 1 |
| **CO2** | **K3** | 3 | 2 |  |  | 1 |  |  |  | 3 |  |  |  | 2 | 1 |
| **CO3** | **K3** | 3 | 2 |  |  | 1 |  |  |  | 3 |  |  |  | 2 | 1 |
| **CO4** | **K3** | 3 | 2 |  |  | 1 |  |  |  | 3 |  |  |  | 2 | 1 |
| **CO5** | **K3** | 3 | 2 |  |  | 1 |  |  |  | 3 |  |  |  | 2 | 1 |
| **CO6** | **K6** | 3 | 3 | 3 | 1 | 3 | 1 | 1 | 1 | 2 | 1 | 1 | 2 | 3 | 2 |
| **Course Contribution** |  | 3 | 3 | 1 | 1 | 2 | 1 | 1 | 1 | 3 | 1 | 1 | 1 | 2 | 1 |

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

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