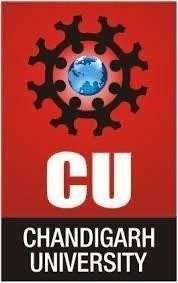


UNIVERSITY INSTITUTE OF ENGINEERING

# Department of Computer Science & Engineering

**(BE-CSE/IT-6th Sem)**



**Subject Name:** Cloud computing and distributed systems lab

**Subject Code:** 21CSP-378

**Submitted to: Submitted by:**

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Section: 21BCS\_CC- 646

Group: B

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| **Ex. No** | **Name of Experiments** | **Date** | **Conduct (MM: 12)** | **Viva (MM**  **: 10)** | **Worksheet (Record) (MM: 8)** | **Total (MM**  **: 30)** | **Remarks** | **Signature (with date)** |
| 1.1 | Install VirtualBox or VMware Workstation on a Windows 7 or 8 operating system and set up various flavors of Linux or Windows as virtual machines. |  |  |  |  |  |  |  |
| 1.2 | To install a C compiler within the virtual machine established using VirtualBox and run basic programs. |  |  |  |  |  |  |  |
| 1.3 | Installation of Cloud Sim tool and IDE. |  |  |  |  |  |  |  |
| 1.4 | Use of GAE launcher to launch the web applications. |  |  |  |  |  |  |  |
| 2.1 | Simulate a cloud scenario using Matlab and run a scheduling algorithm. |  |  |  |  |  |  |  |

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| 2.2 | To find a procedure to transfer the files from one virtual machine to another virtual machine. |  |  |  |  |  |  |  |

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| 2.3 | Discover a method for initiating a virtual machine using the TryStack (Online OpenStack Demo Version). |  |  |  |  |  |  |  |
| 3.1 | Install Hadoop single node cluster and run simple applications like word count. |  |  |  |  |  |  |  |
| 3.2 | Case Studies on Cloud based machine- learning solutions in healthcare. |  |  |  |  |  |  |  |
| 3.3 | Lab based Mini Project |  |  |  |  |  |  |  |