**Department Name**

**AY: 2019-20 (Odd Semester)**

**Course Opening Report**

Programme Name: B.Tech (ECE)

Semester: 5th (ECE)

Course Name & Code: UNIX Programming Lab (15B17CI579)

**Course Outcomes:**

At the completion of the course, students will be able to,

|  |  |  |
| --- | --- | --- |
| **COURSE OUTCOMES** | | **COGNITIVE LEVELS** |
| **C373.1** | Demonstrate use of common Unix/Linux commands | Understanding Level  (Level 2) |
| **C373.2** | Apply Unix/Linux file redirection and pipelining to combine utilities to perform complex tasks | Apply Level  (Level 3) |
| **C373.3** | Develop shell scripting using Selection, Case & Conditional Statements | Apply Level  (Level 3) |
| **C373.4** | Build shell scripts to solve various problems using commands like grep, line number, test, expressions, compare, command line input, etc. | Apply Level  (Level 6) |
| **C373.5** | Create and manage files and directories, file permissions, and navigate the Unix/Linux file system | Create Level  (Level 6) |

**CO-PO and CO-PSO Mapping:**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **COs** | **PO 1** | **PO 2** | **PO 3** | **PO 4** | **PO 5** | **PO 6** | **PO 7** | **PO 8** | **PO 9** | **PO 10** | **PO 11** | **PO 12** | **PSO1** | **PSO2** |
| **C373.1** | **2** | **0** | **0** | **0** | **3** | **0** | **0** | **0** | **1** | **0** | **0** | **0** | **2** | **1** |
| **C373.2** | **1** | **2** | **2** | **0** | **3** | **0** | **0** | **0** | **1** | **1** | **1** | **0** | **1** | **2** |
| **C373.3** | **1** | **3** | **3** | **1** | **3** | **1** | **0** | **0** | **1** | **1** | **1** | **1** | **2** | **2** |
| **C373.4** | **1** | **2** | **3** | **2** | **2** | **1** | **1** | **0** | **2** | **1** | **1** | **1** | **2** | **3** |
| **C373.5** | **1** | **1** | **2** | **3** | **2** | **1** | **2** | **1** | **1** | **1** | **3** | **2** | **1** | **3** |
| **Avg.** | 1.2 | 2 | 2.5 | 2 | 2.6 | 1 | 1.5 | 1 | 1.2 | 1 | 1.5 | 1.3 | 1.6 | 2.2 |

**Identified Curriculum Gaps (If Any): Nil**

|  |  |  |  |
| --- | --- | --- | --- |
| **Topics to be introduced** | **Strengthens CO** | **Strengthens PO, PSO** | **Method of Identification** |
|  |  |  |  |
|  |  |  |  |

**Modifications in Curriculum (If Any): Nil**

|  |  |
| --- | --- |
| **Details of Modification** | **Justification** |
|  |  |
|  |  |

**Actions for Improving CO Attainments:**

|  |  |  |  |
| --- | --- | --- | --- |
| **COs** | **Attainments in 2018-19** | **Identified Gap** | **Action to be taken in 2019-20 to improve CO attainment** |
| **C373.1** | **1.2** | **Less practice of basic commands** | **More practice of basic commands** |
| **C373.2** | **1.3** | **Less practice** | **More practice** |
| **C373.3** | **1.5** | **Less practice** | **More practice** |
| **C373.4** | **1.5** | **Less practice** | **More practice** |
| **C373.5** | **1.5** | **Less practice** | **More practice** |

**Innovative Teaching and Learning Method to be used (if any):**

**Demonstration will be given on specific topic**

**Innovative Evaluation Strategy to be used (If any):**

**Different sets would be given to two adjacent students to avoid cheating**

**Signature: Signature:**

**Module Coordinator: Course Coordinator:**