**Academic Term: Jan-May 2020**

**FR. CONCEICAO RODRIGUES COLLEGE OF ENGG. , BANDRA**

**S.E (Information Technology)**

**Subject: Networking Lab**

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| --- | --- |
| **Experiment No:** | **1** |
| **Title:** | To study different hardware components of communication network |
| **Date of performance:** |  |

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| **Sr.No.** | **Rubrics** | **Grade** |
| **1** | **Performance (4)** |  |
| **2** | **Understanding(2)** |  |
| **3** | **Post Lab/Quiz (2)** |  |
| **4** | **On time submission (2)** |  |

**Signature of the Teacher:**

**Date:**

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**S.E (Information Technology)**

**Subject: Networking Lab**

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| **Experiment No:** | **2** |
| **Title:** | Linux networking command |
| **Date of performance:** |  |

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| **Sr.No.** | **Rubrics** | **Grade** |
| **1** | **Execution(4)** |  |
| **2** | **Understanding(2)** |  |
| **3** | **Post Lab/Quiz (2)** |  |
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**Subject: Networking Lab**

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| **Experiment No:** | **3** |
| **Title:** | Download and Installation of NS-2 in a Linux/UNIX environment |
| **Date of performance:** |  |

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| **Sr.No.** | **Rubrics** | **Grade** |
| **1** | **Installations and configuration (4)** |  |
| **2** | **Analysis (2)** |  |
| **3** | **Post Lab/Quiz (2)** |  |
| **4** | **On time submission (2)** |  |

**Signature of the Teacher:**

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**FR. CONCEICAO RODRIGUES COLLEGE OF ENGG. , BANDRA**

**Subject: Networking Lab**

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| **1** | To study different hardware components of communication network. | ITL401.1 |  |  |  |  |
| **2** | Linux networking command | ITL401.1 |  |  |  |  |
| **3** | Download and Installation of NS-2 in a Linux/UNIX environment | ITL401.2 |  |  |  |  |
| **4** | Demonstrate communication between nodes using NS-2 | ITL401.2 |  |  |  |  |
| **5** | Simulation of routing protocol using NS-2. | ITL401.2 |  |  |  |  |
| **6** | Analysis of network performance for QOS. | ITL401.3 |  |  |  |  |
| **7** | Comparative analysis of different type of routing protocol. | ITL401.3 |  |  |  |  |
| **8** | To explore features of packet sniffer. | ITL401.4 |  |  |  |  |
| **9** | To implement socket programming. | ITL401.5 |  |  |  |  |
| **10.** | To simulate simple network for any lab using packet tracer . | ITL401.6 |  |  |  |  |

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**Signature of the Teacher:**

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| **3** | **Post Lab/Quiz (2)** |  |
| **4** | **On time submission (2)** |  |

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**Date:**

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| **Experiment No:** | **7** |
| **Title:** | Comparative analysis of different type of routing protocol. |
| **Date of performance:** |  |

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| **1** | **Execution/simulation(4)** |  |
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| **Experiment No:** | **8** |
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| **Date of performance:** |  |

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| **Sr. No.** | **Rubrics** | **Grade** |
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| **Experiment No:** | **9** |
| **Title:** | To implement socket programming. |
| **Date of performance:** |  |

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| **Sr.No.** | **Rubrics** | **Grade** |
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| **2** | **Analysis (2)** |  |
| **3** | **Post Lab/Quiz (2)** |  |
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**Subject: : Networking Lab**

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| **Experiment No:** | **10**. |
| **Title:** | To simulate simple network for any lab using packet tracer |
| **Date of performance:** |  |

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| --- | --- | --- |
| **Sr.No.** | **Rubrics** | **Grade** |
| **1** | **Installations and configuration (4)** |  |
| **2** | **Analysis (2)** |  |
| **3** | **Post Lab/Quiz (2)** |  |
| **4** | **On time submission (2)** |  |

**Signature of the Teacher:**

**Date:**

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| **Sr. No.** | **Course Outcome Statement** |
| ITL401.1 | Execute and evaluate network administration commands and demonstrate their use in different network scenarios2 |
| ITL401.2 | Demonstrate the installation and configuration of network simulator |
| ITL401.3 | Demonstrate and measure different network scenarios and their performance behavior |
| ITL401.4 | Analyze the contents the packet contents of different protocols. |
| ITL401.5 | Implement the socket programming for client server architecture |
| ITL401.6 | Design and setup an organization network using packet tracer. |

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