

**Objectives and Course Content of Short Term Course**

|  |  |
|--|--|
| Operational Plan No.                                       | CSE-25   |
| Name of the Course   | NS2/3 Simulator  |
| Objectives of Course                                       | <ul style="list-style-type: none"><li>• To understand basics of computer networks and system modelling.</li><li>• To install NS2/3 simulator</li><li>• To learn and implement Linux commands</li><li>• To write and execute TCL commands and programs</li><li>• To implement network simulation in NS2/3</li><li>• To analyse trace and plot graph in NS2/3</li></ul>  |
| Course Content   | <ul style="list-style-type: none"><li>• Introduction to Computer Networks</li><li>• Basics of System Modeling</li><li>• Introduction to NS2/3</li><li>• Installation of NS2/3 and supporting software</li><li>• Linux Basics</li><li>• Starting and handling ns-2</li><li>• TCL basics</li><li>• Running Wired Network Simulation/Case Study</li><li>• Integrating security libraries in NS3</li><li>• Plotting graphs</li></ul> |
| Name of Course Coordinator with E-mail ID & Contact Number | <ul style="list-style-type: none"><li>• Dr. C Rama Krishna,<br/>rkc_97@yahoo.com, 0172-2759670</li><br/><li>• Dr. Rakesh Kumar,<br/>raakeshdhiman@gmail.com, 0172-2759787</li></ul>  |