# INDIAN INSTITUTE OF INFORMATION TECHNOLOGY
## DESIGN AND MANUFACTURING (IIITDM) KANCHEEPURAM

## INTRODUCTION OF NEW COURSE

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Course Title | CLOUD COMPUTING | Course No | | YYY5XXX | | | |
| Specialization | ECE | Structure (LTPC) | | 3 | 0 | 0 | 3 |
| To be offered for | UG / PG | Status | | Core ☐ | | Elective ■ | |
| Faculty Proposing the course | N.A. | Type | | New ■ | | Modification ☐ | |
| Date of DAC | N.A. | Members Present in DAC | | All Faculty Members of the Dept. External Member: | | | |
| Pre-requisite | None | Submitted for approval | | 40th Senate | | | |
| Learning Objectives | • This course will introduce various aspects of cloud computing, including fundamentals, management issues, security challenges and future research trends. | | | | | | |
| Learning Outcomes | • This will help students (both UG and PG levels) and researchers to use and explore the cloud computing platforms. | | | | | | |
| Contents of the course *(With approximate break-up of hours)* | Introduction to Cloud Computing (3) <br><br> Cloud Computing Architecture (6) <br><br> Service Management in Cloud Computing (5) <br><br> Data Management in Cloud Computing (6) <br><br> Resource Management in Cloud (5) <br><br> Cloud Security (6) <br><br> Open Source and Commercial Clouds, Cloud Simulator (6) <br><br> Research trend in Cloud Computing, Fog Computing (5) | | | | | | |
| Reference | https://nptel.ac.in/noc/individual_course.php?id=noc19-cs27 | | | | | | |