LESSON PLAN

NAME OF FACULTY : Ms. Priyanka

DISCIPLINE : Computer Engg.

SEMESTER : 5th

SUBJECT : Cloud Computing

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| **WEEK** | **THEORY** | |
| **LECTURE DAY** | **TOPIC** |
| 1st | 1 | **1. Introduction**  Evolution of Cloud Computing. |
| 2 | Cloud Computing Overview |
| 3 | Cloud Computing characterstics |
| 2nd | 4 | Cloud Computing Application |
| 5 | Cloud Computing Benefits. |
| 6 | Cloud Computing Challenges |
| 3rd | 7 | Cloud Computing Service  Models: Infrastructure as a Service. |
| 8 | Platform as a Service. |
| 9 | Software as a Service.  Revision |
| 4th | 10 | Cloud Computing Deployment  Models: Private Cloud ,public cloud model. |
| 11 | Cloud Computing Deployment Models: Community Cloud, Hybrid Cloud. |
| 12 | Major Cloud Service providers. |
|  | Assignment & Revision |
| 5th | 13 | Overview of SLA, Types of SLA.. |
| 14 | SLA Life Cycle. |
| 15 | SLA Management Process. |
| 6th | 16 | Seminar |
| 17 | Overview of Virtualization. |
| 18 | Types of Virtualization. |
| 7th | 19 | Types of Virtualization:- para- virtualization. |
| 20 | Hardware Virtualization, full |

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|  |  | Virtualization. |
| 21 | Partial Virtualization, Emulation Virtualization |
|  | Benefits of Virtualization |
| 8th | 22 | Hypervisors. |
| 23 | Assignment & Revision |
| 24 | Infrastructure Security,. |

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| 9th | 25 | Data Security . |
| 26 | Privacy Issues. |
| 27 | Legal Issues in Cloud Computing. |
| 10th | 28 | Problem -discussion |
| 29 | Problem –discussion. |
| 30 | Class-test. |
| 11th | 31 | Seminar |
| 32 | Overview; Storage as a Service. |
| 33 | Type of storage. |
| 12th | 34 | Storage ways. |
|  | 35 | Overview; Storage as a Service. |
| 36 | Storage Benefits |
|  |  | Storage Challenges. |
| 13th | 37 | Storage Area Networks (SANs). |
| 38 | Storage Area Networks (SANs). Characteristics |
| 39 | Problem -discussion |
| 14th | 40 | Overview of Scheduling problem. |
| 41 | independent and dependent  tasks. |
| 42 | Static scheduling |
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| 15th | 43 | Dynamic scheduling |
| 44 | Problem -discussion |
| 45 | Assignment & Doubt Section |
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