Third Year Computer Engineering, SPPU, Pune 2022-23

310249: Seminar and Technical Communication

(Guidelines and Log Book)

**Third Year Computer Engineering**

# Year 2022 - 2023

**Seminar ID**

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**Seminar Title:** Virtualization in Cloud Computing

# Seminar Guide:

Prof. S. S. Kolte

**Area of the Seminar:** Cloud Computing

**Record of Visit:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Sr.**  **No.** | **Date** | **Details of Discussion/ Remark** | **Signature of Guide/Seminar**  **In charge** |
| 1. |  | Topic Finalization |  |
| 2. |  | Topic Finalization |  |
| 3. |  | Preparing draft of proposal of seminar |  |
| 4. |  | Submission of Proposal |  |
| 5. |  | Preparing for presentation |  |
| 6. |  | Preparing for presentation |  |
| 7. |  | Seminar Report rough Draft Preparation |  |
| 8. |  | Seminar Report finalization |  |
| 9. |  | Seminar Report submission |  |
| 10. |  |  |  |

**Paper Publication/ Participation at Conference:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Sr.**  **No.** | **Name of Organizer** | **Date** | **Certificates/Prizes Won if any** |
| **1.** |  |  |  |
| **2.** |  |  |  |
| **3.** |  |  |  |
| **4.** |  |  |  |

Attach attested copy of certificate(s)

**Rubrics:**

1. **Contents and Presentation:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Grade (Grade Point)** | **Excellent (10-9)** | **Very Good (6-8)** | **Fair (3-5)** | **Poor (1-2)** |
| **Parameter** |  |  |  |  |
| Slide Preparation |  |  |  |  |
| Verbal Skills |  |  |  |  |
| Confidence |  |  |  |  |
| Eye Contact |  |  |  |  |
| Contents |  |  |  |  |

1. **Overall performance:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Grade (Grade Point)** | **Excellent (10-9)** | **Very Good (6-8)** | **Fair (3-5)** | **Poor (1-2)** |
| **Parameter** |  |  |  |  |
| Punctuality and Timely Completion |  |  |  |  |
| Question and Answers |  |  |  |  |
| Attendance and Active Participation |  |  |  |  |
| Seminar Report |  |  |  |  |
| Paper publication &presentation |  |  |  |  |

**Report Documentation:**

|  |  |  |  |  |  |
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| **Seminar Report Documentation** | | | | | |
| **Report Code:** CS-TE-Seminar 2022-2023 | | | **Report Number:** 20CO045 | | |
| **Report Title:** Virtualization in Cloud Computing | | | | | |
| **Address (Details):**  In this report we have discussed about what Virtualization is, how it is implemented, its types and it’s application in Cloud Computing. | | | | | |
| **Author:** Jaysheel Dodia  **Roll:** 20CO045  **Cell No:** 7058985075  **E-mail Address:** jgdodia09@gmail.com | | | | | |
| **Year:** 2022 - 2023  **Branch:** Computer Engineering | | | | | |
| **Key Words:** Virtualization, Cloud Computing, Resource Sharing, Cost Reduction | | | | | |
| **Type of Report:** FINAL | **Report Checked By:** | **Report Checked Date:** | | **Guides Complete Name:**  Prof. S. S. Kolte | **Total Copies:**  2 |
| **Abstract:**  Virtualization is defined as a methodology of dividing the resources of computer hardware into multiple execution environments, by applying one or more concepts or technologies such as hardware and software partitioning, time-sharing, partial or complete machine simulation, emulation, quality of service, and many others. The objectives of any virtualization technology include adding a layer of abstraction between the applications and the hardware, enabling a reduction in costs and complexity, providing the isolation of computer resources for improved reliability and security, and improve service levels and the quality of service, etc.  Software, referred to as a Virtual Machine Manager (VMM), controls use and access to the CPU, memory, storage, and network resources underneath. It allows multiple virtual computers to run on top of one physical computer and to share the underlying hardware resources. This increases the efficient use of the computer by low costs since only one physical computer is needed and running. Cloud computing technology is one of the largest milestones in leading us to next generation technology and successful business and Information Technology field. It helps to rise above the problem for the loss of data, accessing data whenever required and data security | | | | | |