



Anjuman-i-Islam's

M. H. Saboo Siddik College of Engineering

8, Saboo Siddik Polytechnic Road, Byculla, Mumbai - 8

Department of Computer Science and Engineering (IOTCSBC)

2025 - 2026

Name: _____

Roll No: _____

Lab Name: Edge and Fog Computing Lab

Course Code: IoTCSBCL702

Sem: VIIth

Class: B.E

| Exp No. | Name of Experiment | DOP | DOS | Marks | Sign |
|----------|--|-----|-----|-------|------|
| 1 | Study of various development boards and platform for IOT | | | | |
| 2 | Create and deploy virtual servers on AWS | | | | |
| 3 | Study assignment on edge and fog simulators | | | | |
| 4 | Design and deploy fog computing architecture using simulator such as iFogSim. | | | | |
| 5 | Cloud based temperature and humidity monitoring app. | | | | |
| 6 | Conduct a Case study of healthcare in IoT using iFogSim. | | | | |
| 7 | Develop and evaluate edge-based data analytics algorithms in an edge simulator. | | | | |
| 8 | To implement virtual private cloud (VPC) on AWS for IoT services. | | | | |
| 9 | Design and deploy an edge computing architecture using edge simulators such as EdgeCloudSim. | | | | |
| 10 | Case study on smart City. | | | | |
| Average: | | | | | |



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| Sr No | Assignment | DOS | Marks | Sign |
|-------|------------|-----|-------|------|
| 1 | | | | |
| 2 | | | | |

| Sr No | Internal Assessment Examination | Date of Exam | Marks | Average | Sign |
|-------|---------------------------------|--------------|-------|---------|------|
| 1 | IAE I | | | | |
| 2 | IAE II | | | | |

| | Total | Obtained |
|--------------------------------------|-------|----------|
| Average Marks Obtained in Experiment | 15 | |
| Average Marks Obtained in Assignment | 05 | |
| Overall Attendance in the Subject | 05 | |
| Total Marks out of | 25 | |

Faculty Signature:

Date: