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KARNATAK LAW SOCIETY’S

GOGTE INSTITUTE OF TECHNOLOGY

UDYAMBAG, BELAGAVI-590008

(An Autonomous Institution under Visvesvaraya Technological University, Belagavi)

**(APPROVED BY AICTE, NEW DELHI)**



*Course Activity Report*

*on*

***OPERATING SYSTEM***

*Submitted in the partial fulfillment for the academic requirement**of*

**4TH *Semester B.E.***

***In***

***Computer Science Engineering***

***Submitted by***

Name

2GI20CS140 SHRADHA MALLIKARJUN PATIL 2GI20CS144 SRUSHTI MUDENNAVAR 2GI20CS158 YASH HEREKAR 2GI20CS184 USN

**GUIDE**

**Mrs. Ranjana Battur**

**Asst. Prof., Dept. of CSE**

**Academic Year 2021-2022 (Even semester)**

**Title:**

**Team Members Details:**

|  |  |  |
| --- | --- | --- |
| **S. No.** | **USN** | **Student Name** |
| 1 | 2GI20CS140 | SHIVANI BANKE |
| 2 |  | SHRADHA MALLIKARJUN PATIL |
| 3 |  |  |
| 4 |  |  |

**Rubrics for evaluation of Course Project:**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| S.No | Batch No.: | | | | | |
| 1. | Project Title: | Marks Range | USN | | | |
|  |  |  |  |
| 2. | Problem statement (PO2) | 0-1 |  |  |  |  |
| 3. | Need Analysis, Variables involved (PO1,PO2) | 0-2 |  |  |  |  |
| 4. | Alternate solutions to solve the problem(PO3) | 0-3 |  |  |  |  |
| 5. | Comparison between the solutions and reason for selecting the final solution(PO1,PO3,PO4) | 0-4 |  |  |  |  |
| 6. | Working model of the final solution (PO3,PO12) | 0-5 |  |  |  |  |
| 7. | Report and Oral presentation skill (PO9,PO10) | 0-5 |  |  |  |  |
|  | Total | 20 |  |  |  |  |

**Signature of Staff in Charge.**

**OSSIM SIMULATOR:**

**ABSTRACT:**

**Table of Contents:**

**OSSIM Architecture Overview:**

**OSSIM Architecture:**

**Explain SCHEDULING ALGORITHM USING OSSIM SIMULATOR**

**Problem definition given to individual batches:**

For Example:

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| SIMULATE THE **FCFS** AND **PREEMPTIVE PRIORITY SCHEDULING** ALGORITHM USING ***OSSIM SIMULATOR*** FOR THE DETAILS GIVEN BELOW:   |  |  |  |  | | --- | --- | --- | --- | | **PROCESS** | **ARRIVAL TIME(in ms)** | **BURST TIME(in ms)** | **PRIORITY (LOWER NO. LOWER PRIORITY)** | | P0 | 0 | 8 | 4 | | P1 | 1 | 6 | 1 | | P2 | 2 | 1 | 2 | | P3 | 4 | 9 | 2 | | P4 | 5 | 3 | 3 |   COMPUTE:   1. AVERAGE WAITING TIME. 2. AVERAGE TURN AROUND TIME. 3. THROUGHPUT. |

**Simulation results Screen shorts.**

**Applications of OSSIM:**

**Conclusion:**