

**Checklist:**

<b>Weights →</b>	<b>Must Include (7 x 10 = 70%)</b>	<b>Good to have (4 x 5 = 20%)</b>	<b>Bonus (4 x 2.5 = 10%)</b>
<b>Memory Manager</b>	<input checked="" type="checkbox"/> Stack, Heap allocation	<input checked="" type="checkbox"/> Stack deallocation <input checked="" type="checkbox"/> Heap deallocation	<input type="checkbox"/> Optimized memory allocation
<b>Process Manager</b>	<input checked="" type="checkbox"/> Process table <input checked="" type="checkbox"/> Process creation <input checked="" type="checkbox"/> State transition <input checked="" type="checkbox"/> Process termination	<input checked="" type="checkbox"/> Utility functions to get process specific functions	<input type="checkbox"/> Add more states <input type="checkbox"/> Inter-process communication (IPC)
<b>Scheduler</b>	<input checked="" type="checkbox"/> Clear policy to schedule <input checked="" type="checkbox"/> Context switch	<input checked="" type="checkbox"/> Configurable time quantum	<input type="checkbox"/> Implement Aging

## Teams:

You are to form a team of 6 students. Each student will be judged for their contribution.

Team naming format: **Series\_XX\_Section\_X\_Group\_XX**

## Submission format:

Upload the project according to given format in GitHub or Google Drive and submit the link.

Series\_XX\_Section\_X\_Group\_XX\_kacchiOS.zip

```
|— src/
|   |— memory.c
|   |— memory.h
|   |— process.c
|   |— process.h
|   |— scheduler.c
|   |— scheduler.h
|   |— (other files)
|   └— Makefile
|— docs/
|   |— Checklist.pdf
|   └— Project_Report.pdf
|— video/
|   └— Demo_Video.mp4
└— README.md
```

## 🚫 Plagiarism Policy

**Zero tolerance for code plagiarism.**

Copying from other teams: 0 marks for entire team.

Copying from internet: 0 marks for entire team.

Using AI-generated code: 0 marks for entire team. (You may use AI for understanding).

Collaboration between teams: Not allowed.

Sharing code between teams: Not allowed.