



EEX5335 – OPERATING SYSTEMS - DESIGN PROJECT

Academic Year – 2023/2024

Design project report should be uploaded to the given link in Moodle on or before the given due date.
Hard copies will not be evaluated.

Note :

Design Project will be evaluated after a presentation followed by question and answer session

Due Date : 23/12/2024

You are allowed to do the design project task by forming a group of **two** or individually. If you are performing the task as a group you need to include the names of the group members in the cover page of the report. Both members should present the design and face the viva voce. If you are performing the task as a group, you need to incorporate the features of operating system assigned to both of your registration numbers. E.g. if registration number starts with number 3 and 4, the design should facilitate both batch and real time operating system features.

Design an Operating System

You are expected to come up with your own design for an Operating System for a specific handheld device (Eg. Smart phone, Raspberry Pi, Robot etc). You need to propose policies for memory, device, file management etc. and discuss reliability, performance, portability etc of your design. You need to design your operating system based on the assigned operating system.

Registration Number starting with the number	Operating System
1	Distributed Operating System
2	Mobile Operating System
3	Batch Operating System
4	Real time Operating System
5	Clustered Operating Systems
6	Network Operating System
7	Time sharing Operating System

You need to clearly specify the assumptions you make such as the selected device, the usage of the device, requirements of the operating system, architecture of the operating system, critical evaluation of the selected architecture.