



Module PMRF-ISSS024/2022

Basics of Operating Systems

Name of the PMRF student

Prashanthi S.K

Required background of the students taught

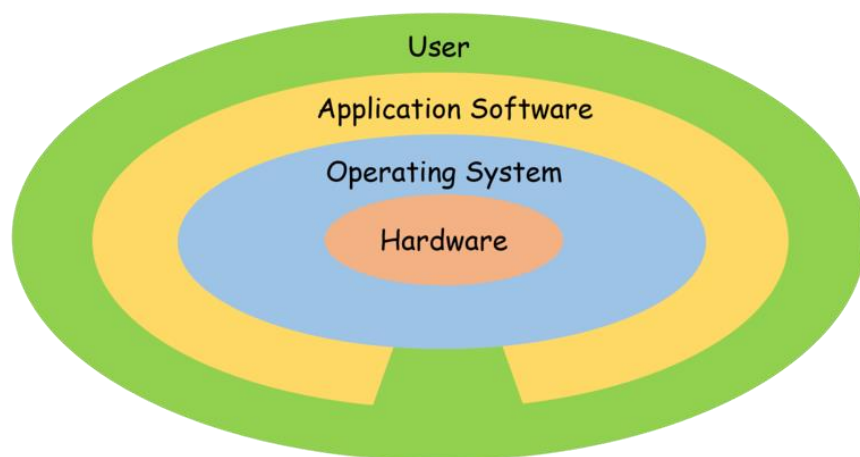
Will be useful to undergraduate students of CSE, IT, ISE, ECE, EEE. Anyone else looking for an introductory course on OS is welcome.

Pre-requisites

Basics of computer organization

Online session coordinator

Will be chosen from the list of registrants



Role of Operating Systems [[Image credits](#)]

Details of the content of the module

Week1 : Introduction

Week2 : Operating System Structures

Week3 : Process Management

Week3 : Processes and Threads

Week4 : Synchronization

Week5 : CPU Scheduling

Week6 : Virtual Memory

Week6 : Memory Management-I

Week7 : Memory Management-II

Week8 : I/O and File Systems

Week9 : Introduction to Virtual Machines

Week10 : Summative Class

Each session will include a few sample problems to help students apply the concepts learned. Sessions will be interactive and will have dedicated time for Q&A.

Note: Contents may slightly vary

Schedule of the module

Course Start Date - Aug 19 2022

Course End Date - Oct 21 2022

Total Duration - 10 weeks

Weekly sessions- 1 hr 15 min, every Friday

Session timings – 3.30PM to 4.45PM IST

Meeting link : Will be shared later

[Link](#)

Contact email ID: issf.forum@gmail.com

Registration link: [Google Form](#)