

Department of Computer Engineering

Institute Vision

We at SIEM aspire to be a globally recognized Institute that delivers a world class education to outstanding intellectual by nurturing and grooming by their interest, creative abilities and thrusts to acquire a life-long learning so as to imbibe values of their commitment towards society.

Department Vision

The department aims to be recognized in the field of quality education through excellence in teaching, learning, research and innovation for the betterment of society.

EVENT REPORT

On

Value Added Program on Operating System and Programming

Name of Event: Value Added Program on Operating System and Programming

Date of Event: 20/08/2021 to 24/08/2021 & 01/09/2021 to 05/09/2021

Coordinator of Event: Prof. M. V. Korade

Name and Details of Resource Person: Prof. Umesh Pawar, Professor, SND Yeola COE

No of Participants: 75

Details of Participants: Third Year and Final Year Computer Engineering Students

Program Outcome Mapped: PO1, PO2, PSO5, PSO1, PSO3

Objectives: To help students get knowledge about Operating System and Programming

Outcome: Students learned about basics of OS and gain Programming insights for OS.

Photos:

What is an Operating System (OS)

- ▶ An operating system (OS) is a collection of software that manages computer hardware resources and provides common services for computer programs. The operating system is a vital component of the system software in a computer system. Application programs usually require an operating system to function.

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graph TD; Application[Application] --> OS[Operating System]; OS --> Hardware[Hardware]; Hardware --- Monitor[Monitor]; Hardware --- Keyboard[Keyboard]; Hardware --- Drives[Drives]; Hardware --- Printer[Printer]; Hardware --- RAM[RAM];
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The diagram illustrates the layers of a computer system. At the top is the 'Application' layer, represented by a blue bar with four downward-pointing arrows. Below it is the 'Operating System' layer, represented by a yellow bar with four downward-pointing arrows. At the bottom is the 'Hardware' layer, represented by a grey box containing icons for a Monitor, Keyboard, Drives, Printer, and RAM.

Single user Multi tasking Example

- ▶ **Microsoft Windows:**
- ▶ Windows is a series of operating systems developed by Microsoft. Each version of Windows includes a graphical user interface, with a desktop that allows users to view files and folders in windows. For the past two decades, Windows has been the most widely used operating system for personal computers PCs.

The slide features a white background with a blue header and a blue footer. The text is in a dark grey font. The right side of the slide shows a grid of participant avatars from a Google Meet session.