

A REPORT ON
**Workshop on PARAM SHAVAK:
Linux for Parallel Computing**

Date: 11th April 2025

Venue: EA-803, E-Block, Silver Oak University, Ahmedabad

**HPC
WORKSHOP ON**



PARAM SHAVAK

Introduction:

“Workshop on PARAM SHAVAK: Linux for Parallel Computing” organised as a part of **IEEE Education Week** by **Silver Oak University IEEE Signal Processing Society Student Branch Chapter** in association with **ML Geeks Club** of **Silver Oak University IEEE Student Branch**. This workshop aimed to provide participants with meaningful insights into the scope of high-demonstration supercomputers, the initiative successfully supported individuals aiming to deepen their knowledge of supercomputing.

About the Speaker:

- **Prof. Monali Suthar** - Assistant Professor at Silver Oak University and A highly skilled educator with expertise in computational techniques and system optimization.

About the workshop:

Date: 11th April 2025

Time: 02:00 P.M. - 04:00 P.M.

Venue: EA-803, E-Block, Silver Oak University

Participants: 78

Prof. Monali Suthar initiated the workshop with an engaging address, beginning with a brief recap of the previous workshop and moving forward with a basic introduction to the Supercomputer ‘PARAM SHAVAK’. She guided attendees on how to establish a connection with PARAM SHAVAK from their local system, whether Mac or Windows. Following that, the speaker explained Linux operating system commands, from basic to advanced. As the workshop continued, participants learned how to change directories, create folders and files, and execute numerous other commands. Ma’am also explained the difference between ‘whoami’ and ‘who am I’ commands, which are used to display user-related information.

The Linux file system was then discussed, along with the permissions and an overview of the fundamentals of shell scripting for automation in high-performance computing workflow were covered. As the workshop proceeded, Ms. Suthar also gave the attendees the briefing on Secure Shell Protocol highlighting its use in safe remote logins.

As the workshop was about to end, Dr. Satvik Khara Sir interacted with the participants, encouraging them to share their learning experiences. He imparted warm words, stressing the need to remain curious in the ever-changing tech world. He closed with a moving commentary on supercomputing's future. He said, "Supercomputers are the silent giants driving our next leap in scientific discovery. The future belongs to those who learn to harness them".

Conclusion:

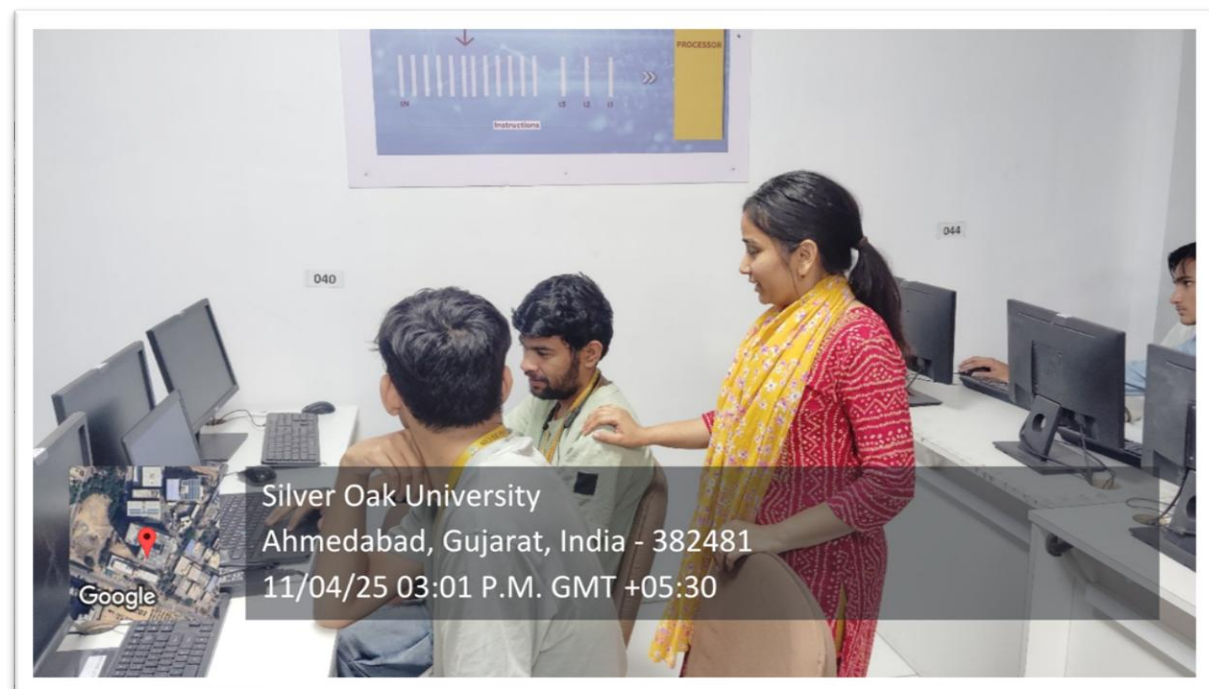
The workshop provided both theoretical insights and practical experience with the PARAM SHAVAK supercomputer and Linux commands. Under the guidance of Prof. Monali Suthar, participants gained a solid foundation in system connectivity and command-line operations, paving the way for further learning in high-performance computing.

The success of this workshop was achieved under the inspirational guidance and constant support of Dr. Satvik Khara Sir, Dean, College of Technology, Design and Computer Applications; IEEE Senior Member; Chairperson, SIGHT, IEEE Gujarat Section; Chairperson, Technical Activity, Computer Society, IEEE Gujarat Section; Advisor, Silver Oak University IEEE Computer Society Student Branch Chapter; Founding Member, Silver Oak University IEEE Student Branch.

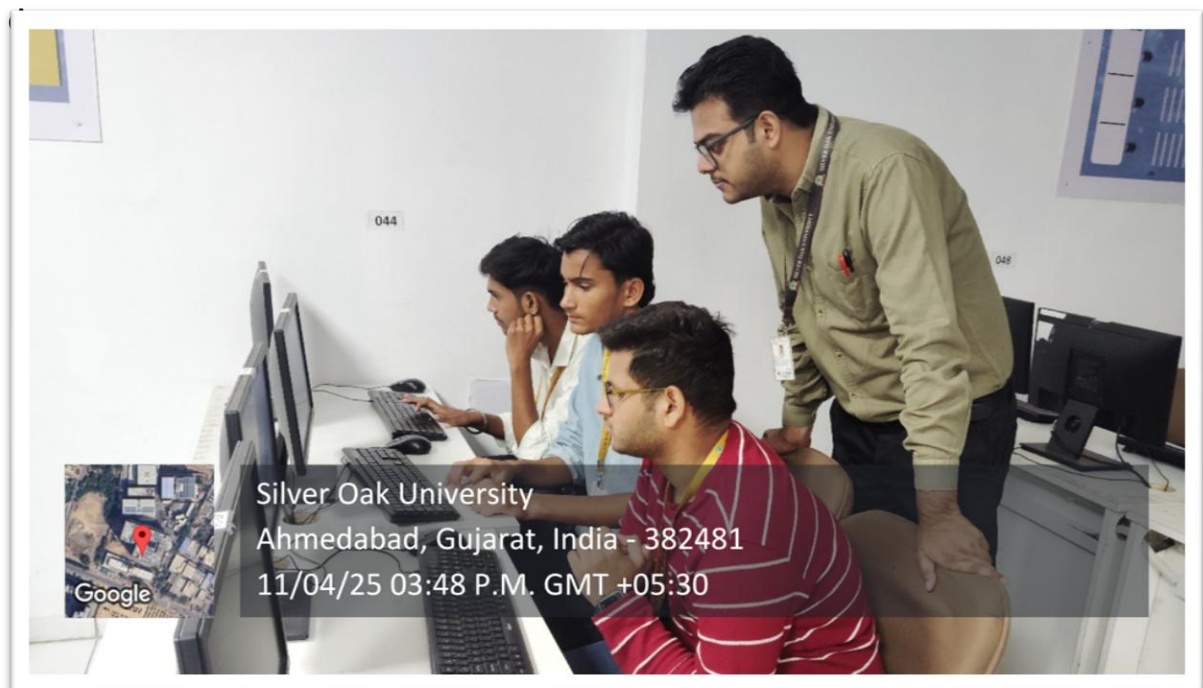
Some glimpses of the event:



Prof. Monali Suthar explaining basic commands of Linux for Parallel Computing



Speaker indulging with participants in high performance computing



Prof. Gaurav Tiwari solving doubts of participants



A group photo to commemorate these series of session