

Report

Expert Lecture

(Session: - 2022-23)

Topic of Talk: High Performance Computing Applications in IoT Domain

Resource Person Name and Affiliation: - Dr. Amit Barve, Associate Professor and Head, Department of Computer Engineering, Parul Institute of Engineering & Technology Parul University Vadodara.

Date: - 03/02-2022

Time: 11:00 am - 11:30 am

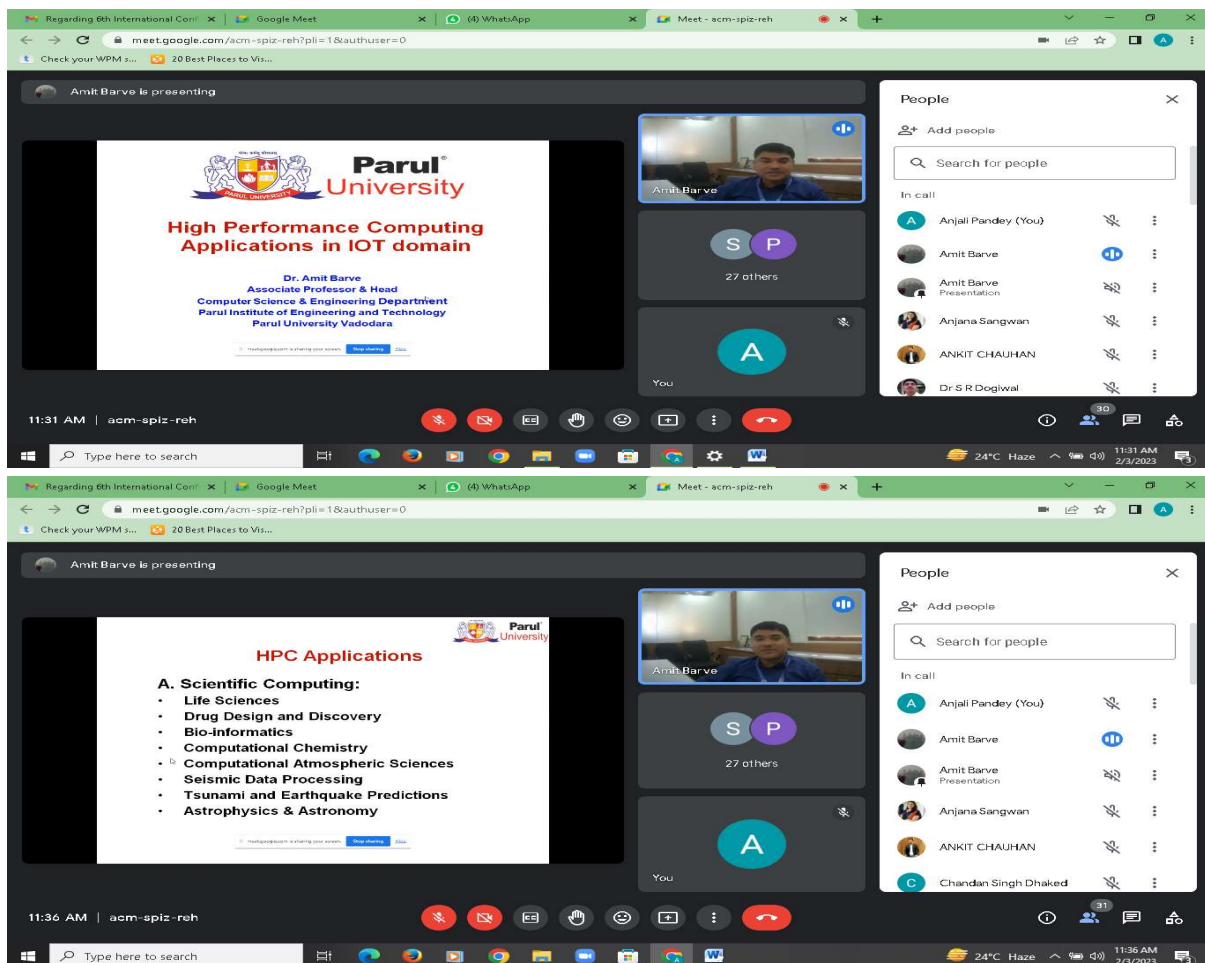
Link of the Session: - <https://meet.google.com/acm-spiz-reh?pli=1&authuser=0>

No. of Participant: - 74

Summary of the keynote session:-

- Sir has talked about the high performance computing and its applications.
- Sir has talked about the top 500 Projects and supercomputers
- Sir has also talked about the Flynn's classification
- Sir has talked about the Accelerators/CoProcessors Family
- Sir has also talked about the Intel's Tick Tock Model

Screen Shot of the Session:-



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Amit Barve is presenting

TOP 500

Jack Dongarra, H. Simon, E. Strohmaier and H. Meuer

- Listing of the 500 most powerful Supercomputers in the World
- Ranking is based on **LINPACK Benchmark**: Measure of System's Floating Point Computing Power
- How fast a Computer solves a Dense N by N System of Linear Equations $AX=b$, dense problem
- Result is reported as maximum Rate of Execution (Rmax) in PFlops /Sec
- Updated twice a Year :
- 60th TOP500 List was released on Nov. 2022.
- R_{max} and R_{peak} values are in PFlops. R_{peak} values are calculated using the advertised clock rate of the CPU

27 others

You

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Amit Barve is presenting

Intel's Tick Tock Model

- Intel's innovative Multi Core Product Development Strategy for delivering predictable & powerful compute capability since 2005/6
- Intel has successfully alternated & delivered :
 1. New Silicon Process Technology (Tick)
 - as well as
 2. New Processor Micro Architecture (Tock) year after year

26 others

You

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GROUP PHOTOGRAPH

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In-call messages

Messages can only be seen by people in the call and are deleted when the call ends

Prof. Anil Chaudhary 11:05 AM
sir slide are not moving

Neha Mathur 11:54 AM
presenter for paper id 2692 has joined or not?

Send a message to everyone

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