Report on Awareness Workshop on High Performance Computing (HPC)

Venue: Vidyabharti Trust College of Master in Computer Application, Umrakh (Bardoli)

Date: 28th October 2024

Time: 10am onwards

Trainer:Dr. Rutal Sharadbhai Mahajan (HPC Master Trainer and Asst. Professor at Utica University, NY, USA)

Introduction:

An awareness workshop on High Performance Computing (HPC) was successfully organized at Vidyabharti Trust College of Master in Computer Application (VBTMCA), Umrakh (Bardoli), in collaboration with AICTE, New Delhi. This initiative aimed to introduce students and faculty members to the latest advancements in HPC and its applications in various fields.

Objectives of the Workshop:

1. To educate students and faculty members about the fundamentals and applications of High Performance Computing.

2. To provide insights into HPC's role in solving complex scientific, engineering, and business problems.

3. To encourage students to explore career opportunities in the field of supercomputing and parallel processing.

Workshop Highlights:

- **Expert Topic:** The workshop focused on High Performance Computing (HPC) Fundamentals, Architecture, and Applications. The expert trainers from C-DAC provided a detailed overview of supercomputing, parallel processing, and the importance of HPC in real-world problem-solving.

- **Attendance:** The workshop witnessed enthusiastic participation with over [Number] students from FYMCA and MSc-IT programs and [Number] faculty members from the department. The session was highly interactive, with students raising queries and engaging with the experts.

- **Expert Lecture:** The expert from C-DAC delivered an informative lecture that covered the basics of HPC, its architecture, and how it enables processing of massive amounts of data.

Real-life case studies and practical examples were also shared to make the session more relatable for the attendees.

Photographs of the Event:













idyabharti Trust College of Master in Computer Application (MCA, MBA & IMSc.IT), Umrakh

Approved by AICTE, New Delhi and Affiliated to GTU, Ahmedabad.





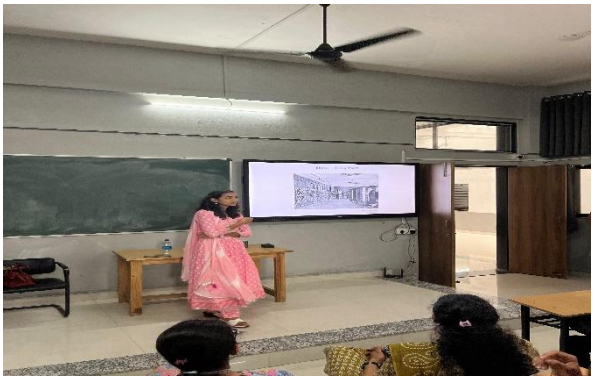












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Conclusion:

The workshop on High Performance Computing was a great success, providing valuable knowledge to the students and faculty at VBTMCA. The session not only enhanced their understanding of HPC but also inspired many to explore further research and career opportunities in this evolving field. We express our sincere gratitude to C-DAC and the AICTE for their support in making this event possible and special thanks to **Dr. Rutal Sharadbhai Mahajan** for enlightening our students with her expertise and knowledge.