

## Event Report

### Inauguration of One Week Faculty Development Program (FDP)

#### On “Advances in Scientific Computing”

November 10–14, 2025

Organized by the **Departments of Computer Science & Engineering and Mathematics**  
**Harcourt Butler Technical University (HBTU), Kanpur**

---

#### 1. Introduction

The Departments of Computer Science & Engineering and Mathematics, HBTU Kanpur, successfully organized a **One Week Faculty Development Program (FDP)** on “*Advances in Scientific Computing*” from **November 10 to November 14, 2025**.

The program aimed to provide academicians, researchers, and faculty members with exposure to emerging trends and research advancements in scientific computing, artificial intelligence, machine learning, quantum computing, mathematical modelling, and related interdisciplinary domains.

---

#### 2. Inaugural Session (November 10, 2025)

The FDP commenced with a formal **Inaugural Ceremony** held at **Radhakrishnan Auditorium, HBTU, Kanpur**, at **10:30 AM**.

##### Chief Guest:

##### **Prof. D.S. Chauhan**

Pro-Chancellor, GLA University, Mathura

##### Chief Patron:

##### **Prof. Samsher**

Vice Chancellor, HBTU, Kanpur

##### Patrons:

- Prof. R.N. Tripathi (HoD, Mathematics)
- Prof. Anita Yadav (HoD, CSE)
- Prof. V.P. Singh (DSOE)
- Prof. Manoj Kumar (DSOBAS)

**Conveners:**

- Dr. U.P. Singh (Dept. of Mathematics)
- Dr. Rashi Agarwal (Dept. of CSE)

**Coordinators:**

- Dr. Imran Khan (Dept. of CSE)
- Dr. Shivam Shreevastava (Dept. of Mathematics)

The program began with the traditional **lighting of the ceremonial lamp (Deep Prajwalan)** by the Chief Guest and dignitaries, symbolizing the pursuit of knowledge and enlightenment.

The auditorium witnessed enthusiastic participation from faculty members, research scholars, and students. The dais was graced by distinguished academicians and administrative leaders of the university.

In his **Keynote Address**, Prof. D.S. Chauhan emphasized the growing importance of scientific computing in solving real-world interdisciplinary challenges. He highlighted the role of computational intelligence, cloud infrastructure, and research innovation in shaping the future of academia and industry.

---

**3. Technical Sessions Overview**

As per the official schedule

Schedule FDP (1)

, the FDP included expert lectures and technical sessions delivered by eminent speakers from reputed institutions.

**Day 1 – November 10 (Monday)**

- Inaugural & Keynote Address – Prof. D.S. Chauhan
  - Deep Learning & Applications in Computing – Dr. Shiv Ram Dubey (IIIT Allahabad)
- 

**Day 2 – November 11 (Tuesday)**

- Introduction to Mathematical Modelling and Research Methodology – Prof. Ram Naresh Tripathi (HBTU)
- Advances in Edge Computing – Dr. Rajiv Misra (IIT Patna)
- Research Methodology & Modelling Techniques – Prof. Dipteek Parmar (HBTU)

---

### **Day 3 – November 12 (Wednesday)**

- AI-ML in Agriculture – Dr. Ajay Kr. Maurya (NIT Patna)
  - Responsible and Explainable AI – Dr. Rashi Agarwal (HBTU)
  - Scientific Computing Using Mathematica – Dr. U.P. Singh (HBTU)
- 

### **Day 4 – November 13 (Thursday)**

- Soft Computing Using Fuzzy Logic – Dr. Shivam Shreevastava (HBTU)
  - Scientific Computing in Remote Sensing – Gopal Singh Phartiyal (BITS Pilani)
  - Small Scale System Development – Dr. Siddharth Srivastava (HBTU)
- 

### **Day 5 – November 14 (Friday)**

- CNN-based Methods for Medical Image Classification – Dr. Puneet Mishra (Lucknow University)
  - Quantum Computing – Dr. Abhay Singh (IIT ISM Dhanbad)
  - Valedictory Session
- 

## **4. Participation and Engagement**

The FDP saw active participation from:

- Faculty members from various institutions
- Research scholars
- Postgraduate and undergraduate students

Interactive Q&A sessions followed each lecture, promoting meaningful discussions and collaborative learning. The hybrid/online academic engagement model ensured wider outreach and participation.

---

## **5. Valedictory Session**

The program concluded on **November 14, 2025**, with a **Valedictory Session**, where:

- Participants shared their learning experiences.

- Certificates were distributed.
- Organizers expressed gratitude to speakers, participants, and supporting staff.

The conveners highlighted the success of the FDP and emphasized the need for continued interdisciplinary academic initiatives in scientific computing.

---

## 6. Conclusion

The One Week FDP on “*Advances in Scientific Computing*” was a resounding success. It effectively brought together experts from premier institutions to share knowledge on emerging computational technologies.

The program strengthened academic collaboration, enhanced research perspectives, and contributed significantly to the professional development of faculty members and researchers.

The Departments of CSE and Mathematics, HBTU Kanpur, deserve appreciation for meticulously organizing this academically enriching event.



