

Resource Person

2. Prof. Nishchal K. Verma, IIT Kanpur
4. Prof. Malay K. Dutta, Centre for Advanced Studies, Lucknow
5. Prof. Satish Kumar Singh,

7. Prof. C. Jeyamale, TCE Madurai
8. Mrs. Mamta Swarup, Director, Sapphire Application Integrators Pvt. Ltd., New Delhi

Shyam Technosolutions, Kanpur

No Registration Fee

Note :

Closing of registration: 18.07.2021 or 250 participants whichever is earlier.

Preference: Faculty/Industry person / Research Scholar / PG Student / UG Student
Registration Details: Participants can register using the following Google Form link:
<https://forms.gle/QkSUaDByzBM4vf929>

Patron

Prof. Samsher

Hon'ble Vice chancellor
H.B.T.U. Kanpur

Prof. S.K. Singhal

Dean, School of Engineering
H.B.T.U. Kanpur

Convener & Chairperson

Prof. Narendra Kohli

Professor & Head

Coordinators

Dr. (Mrs.) Anita Yadav
Associate Professor

Dr. Prabhat Verma
Assistant Professor

Dr. (Mrs.) V.D. Kaushik
Assistant Professor

Department of Computer Science
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One Week Online National Level Faculty Development Program (FDP) cum Short Term Training Programme (STTP) on

**Recent Trends & Advancements
in the Era of
Machine Learning**

July 19-24, 2021

Convener

Prof. Narendra Kohli

Coordinators

**Dr. (Mrs.) Anita Yadav
Dr. Prabhat Verma
Dr. (Mrs.) V.D. Kaushik**

Organised by

Department of Computer Science & Engineering
Harcourt Butler Technical University
Kanpur -208002 Uttar Pradesh

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About H.B.T.U., Kanpur

Harcourt Butler Technical University, Kanpur came into existence on September 01, 2016 by U.P. Govt. Act. No. – 11, 2016 as a result of the up-gradation of Harcourt Butler Technological Institute which was established in 1921 as a 'Government Technological Institute' by Sir Spencer Harcourt Butler, the first Governor of United Provinces (now Uttar Pradesh) and was renamed as HBTU in 1926. It has entered in the centenary year by its tradition of excellence in technology & engineering education, research and innovations. On academic front, the University is running four Schools: School of Engineering, School of Chemical Technology, School of Basic & Applied Sciences, School of Humanities & Social Sciences with thirteen Undergraduate Programmes in Chemical Engineering, Civil Engineering, Computer Science & Engineering, Electrical Engineering, Electronics Engineering, Information Technology, Leather Technology, Mechanical Engineering, Biochemical Engineering, Food Technology, Oil Technology, Paint Technology and Plastic Technology along with M.C.A, full time & part time M.Tech. programmes in various disciplines and full time and part time Ph.D. programmes in number of disciplines as part of Quality Improvement Programme of MHRD and TEQIP-III. The University is being operated in two campuses; the east campus has an area of 77 acres while the west campus has an area of 250 acres which are situated 3 km apart.

About the Department of Computer Science & Engineering

The Department of Computer Science and Engineering was established in 1984 with a 4-year B. Tech. program in Computer Science & Engineering, with an intake of 30 students. A 3-year Post Graduate Program, Master of Computer Application, with an intake of 60 students was introduced in 1987. Under IT task force recommendations, B. Tech. Information Technology Program was introduced in the year 2000, with an intake of 60 students. Currently the department is running B. Tech. Computer Science and Engineering, B. Tech. Information Technology & MCA with intake of 60, 30 and 60 respectively. One of the youngest, but among the most efficient departments, it is reputed for producing the best quality software engineers who serve in leading companies, not only in India but also abroad. The students have an in-depth exposure to computing environment consisting of state-of-the-art machines in different laboratories. In order to identify industrial projects for the students and to expose them to the industrial environment, the department has continuous interaction with the Industries. B. Tech. Computer Science & Engineering program is accredited by NBA / AICTE.

Objectives of the FDP cum STTP:

1. To deliver lecture on advancement in the field of Computer Science and Engineering in data science, machine learning etc.
2. Developing good understanding of fundamental issues and challenges of machine learning: data, model selection, complexity etc.
3. Have an understanding of strength and weakness of popular machine learning and IoT approaches..
4. To develop skills of using recent machine learning software for solving practical problems.
5. To gain expertise of doing independent study and research .

Topics to be covered:

- Fundamental concepts of data analytics
- Machine Learning: theory and modeling
- State of the art explanation with examples of IoT: Internet of Things
- Statistical analyses of Real world Data
- Latest trends in Machine learning: theory and modeling
- Interdisciplinary aspects of Big data analytics
- Applications of Data science & Machine learning
- Real world challenges and security in cyber space

Who can participate?

Any interested Undergraduate / Post-graduate student, Research Scholar, Academician & Industry Person can join this program

Online platform:

Google MEET, Joining link will be provided to participants registered email ID.

Recent Trends & Advancements in the Era of Machine Learning Day 1 | 19.07.2021

11.00 a.m. - 11.30 a.m. Inauguration

Session 1 : 11.30 a.m. - 02.00 p.m.

Day 2 | 20.07.2021

Session 2 : 11.00 a.m. - 02.00 p.m.

Day 3 | 22.07.2021

Session 3 : 11.00 a.m. - 02.00 p.m.

Day 4 | 23.07.2021

Session 4 : 11.00 a.m. - 02.00 p.m.

Day 5 | 24.05.2021

Session 5 : 11.00 a.m. - 02.00 p.m.
Valedictory Ceremony