



NATIONAL NEWS

UPES Inks MoU With CERN To Revolutionise Particle Physics Research

By India Education Diary... On Nov 9, 2023



Dehradun : UPES, a multidisciplinary university in Dehradun, has marked a momentous milestone in its journey by signing a Memorandum of Understanding (MoU) with CERN (European Organisation for Nuclear Research, Switzerland). This collaborative effort is set to redefine the landscape of particle physics research with UPES playing a pivotal role in the groundbreaking Future Circular Collider (FCC) project. The FCC project is a successor to CERN's Large Hadron Collider, the world's most powerful particle accelerator.

Reiterating its focus on advancing research and development, the university will play a significant role in the development of software and particle detectors for the FCC project. Distinguished UPES researchers including Dr. Vipin Gaur and Prof. J.B. Singh will spearhead this project. The revolutionary Future Circular Collider (FCC) project will be installed in a circular tunnel, located 100 to 400 meters deep on the France-Switzerland border, spanning a distance of 91 kilometres between the two countries. This project will also encompass a feasibility study to assess the geological, technical, environmental, and administrative aspects of the tunnel and its surface areas.

This partnership will provide students and faculty members with unparalleled opportunities to engage in cutting-edge research, gain valuable hands-on experience in the field of particle physics, and collaborate with the global scientific community at CERN. It demonstrates the dedication of both institutions to push the boundaries of scientific exploration. This effort is in alignment with the university's contributions to other prominent particle physics projects, such as 'Belle' and 'Belle II'.

Taking a strong step forward, UPES has also established Belle II GRID Computing Centre at its campus. 'Belle II' is an international particle physics project situated in an underground Japanese facility at KEK (High Energy Accelerator Research Organization). With this, the university has joined the GRID Computing Club with institutions from the USA, Canada, France, Germany, Italy, Austria, Russia, Japan, Korea, Australia, etc. This lab focuses on integrating and distributing computing GRID technology, which interconnects computing resources from across the globe, fostering innovation in scientific research.

Additionally, students of UPES School of Computer Science trained in the associated Belle II GRID technology have been offered funded MS/PhD positions at prestigious universities in the United States, earlier this year.



India Education Diary Bureau Admin

- 102145 Posts - 0 Comments

[← PREV POST](#)[Session on Employment Prerequisites and Corporate Expectations Held](#)[NEXT POST →](#)[Dhoni-backed Garuda Aerospace Set to Launch Retail Drone Showrooms; Targets 400 Retail Outlets and Drone Service on Wheels in 2024 across India](#)

You Might Also Like

More From Author



East London Star to Compete in Paris Paralympics



IIT Mandi hosts International Conference on 60 Years of Density Functional Theory...



AMU and Windsor Machines Limited, Sign Agreements for Joint Research Project in...

[< PREV](#)

[NEXT >](#)

