



PhD, Delhi University (2006-2012) : D0 experiment at Tevatron.

- Was based in Fermilab for whole duration of my PhD
- Thesis on standard model Higgs boson search in low mass region
- Analysis channel  $ZH \rightarrow \nu\nu$  (missing energy) + 2 b-jets
- Worked as D0 Calorimeter expert
- Regularly took Calorimeter-Muon system shifts
- Also took data acquisition system (DAQ) shifts
- Was involved in new data certification using MET studies

Postdoc, Tohoku University (2012-2015) : Proposed ILC experiment

- Heavy Higgs studies at 1 TeV energy in low  $\tan\beta$  regions
- Analysis channel :  $HA \rightarrow 4$  b-jets with  $m_H = m_A = 400$  GeV
- Characterization of FPCCD detector



- A private university, established in 2010.
- Situated at Delhi-Jaipur Highway in 110 Acres campus near industrial town Manesar
- In Physics, BSc (H), MSc and PhD courses are offered
- Physics department has 12 faculties, but currently I am the only one from Particle Physics
- Research facilities are available now only for Material Sciences
- University has assured me of all possible help in starting HEP work

- Want to start working in the field of neutrinos
- Although I have never worked in neutrinos, but I am quite sure that my previous experience in other experiments will help me in this transition
- I can participate in software related parts and data analysis. I can take remote shifts if any, or any other job which can be done remotely
- I can also contribute in onsite operations efforts, but for that first I will have to arrange research funds so that I can travel
- I have spent ~3 years in Japan and I was a frequent visitor to KEK, so I think I will not face any problem in working in KEK experiments



**THANK YOU**