

Registration No. 951203005



Thapar Institute of Engineering and Technology, Patiala

(Deemed-to-be-University)

Doctor of Philosophy

Verified that _____ *Deepak Gupta* _____ son of

Shri _____ *Gurdev Gupta* _____ & *Smt.* _____ *Hansa Gupta* _____

has obtained the Degree of Doctor of Philosophy on his having successfully completed the prescribed requirements for the said degree in _____ *November 2020* _____.

The title of his thesis is :

A Novel Framework for Analysis of Big Data

Given this day under the seal of the Institute at Patiala, the *Eighteenth* Day of *January*, *Two Thousand and Twenty One*.


Registrar

Self attested
Shukh
01/07/21


Director


ORIGINAL SEEN & VERIFIED