

Thapar University, Satiala

(Declared as Deemed-to-be-University u/s 3 of the UGC Act, 1956)

Dactor of Philosophy

Devi	Pavetri Dev	& Smt.	Madan Singh	Shri
son of		Hari Singh		Certified that

has obtained the Degree of Doctor of Philosophy on his having successfully completed the prescribed requirements

for the said degree in November 2017

The title of his thesis is:

Efficient Grid - GIS Framework for Spatial Data

Given this day under the seal of the University at Patiala, the Third day of November, Two Thousand and Seventeen.

Megistrar

Mar

