



Birla Institute of Technology & Science, Pilani
Pilani Campus

CERTIFICATE

This is to certify that the thesis entitled **Development and Usage of Ductile Composite Materials for Retrofitting and Strengthening of Masonry Structures** and submitted by **Pankaj** ID No **2013PHXF0437P** for award of Ph.D. degree of the Institute embodies original work done by him under my supervision.

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