



**Structural Analysis and Optimization of Parameters for Fatigue
Life Enhancement of a Symmetrical Multi Leaf Spring**

*Submitted in fulfillment
of the requirement for the award of the degree of*

*Doctor of Philosophy
in
Mechanical Engineering*

by
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Registration No. 2K11-NITK-Ph.D-1384M

Submitted to



**Department of Mechanical Engineering
National Institute of Technology,
Kurukshetra - 136 119, Haryana, India**

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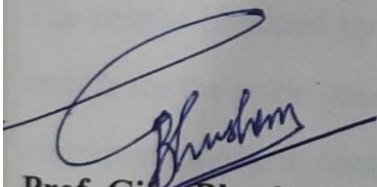
YMCA University of Sc. & Technology

Faridabad, Haryana, India.

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Certificate

This is to certify that the thesis entitled “**Structural Analysis and Optimization of Parameters for Fatigue Life Enhancement of a Symmetrical Multi Leaf Spring**” being submitted by Mr. Vinkel Kumar Arora (Registration No. 2K11-NITK-Ph. D-1384M), in fulfillment of the requirement for the award of the degree of Doctor of Philosophy in Mechanical Engineering, National Institute of Technology, Kurukshetra, has been carried out under our guidance and supervision. The matter embodied in this thesis has not been submitted, in part or in full, to any other Institute/University for the award of any degree or diploma.



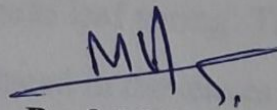
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