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CERTIFICATE FROM THE SUPERVISOR

This is to certify that the above statement made by the candidate is correct to the best of our knowledge.

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Title of the Thesis : *“Low Cycle Fatigue Analysis of Aluminum Alloy and Metal Matrix Composites”.*

Candidate’s Name : *Mazin Mahmood Yahya*

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PRE-SUBMISSION SEMINAR COMPLETION CERTIFICATE

This is to certify that *Mr. Mazin Mahmood Yahya* (Department of Mechanical Engineering, Indian Institute of Technology, Enrolment No. 330498), a bonafide research scholar of this department, has successfully completed the pre-submission seminar held on June, 2016 which is a part of his Ph. D. Program.

Date

Place: Varanasi

(Signature of the Head of the Department)

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