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FAILURE ANALYSIS OF INPUT SHAFT

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A report submitted in partial fulfilment of the requirements

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SUPERVISOR'S DECLARATION

We hereby declare that we have checked this project and in our opinion this project is satisfactory in terms of scope and quality for the award of the degree of Bachelor of Mechanical Engineering.

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STUDENT'S DECLARATION

I hereby declare that the work in this thesis is my own except for quotations and summaries which have been duly acknowledged. The thesis has not been accepted for any degree and is not concurrently submitted for award of other degree.

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LIST OF SYMBOL

FEA	Finite Element Analysis
AISI	American Iron and Steel Institute
Kt	Stress concentration factor
S_f	Fatigue strength
ε	Fatigue ductility
E	Young's modulus
N	Number of cycles to failure
ω	Angular velocity
σ_{YM}	Von Mises stress