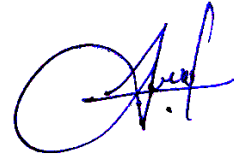


DECLARATION

I hereby declare that this thesis entitled “**Debarking Machine for Jigat Tree**” is a bonafide record of research work done by me during the course of research and the thesis has not previously formed the basis for the award to me of any degree, diploma, associateship, fellowship or other similar title of any other University or Society.

Place: Tavanur

Date: 06/06/2026



JAZAL KT

(2023-18-001)

CERTIFICATE

Certified that this thesis entitled “**Debarking Machine for Jigat Tree**” is a bonafide record of research work done independently by **Er. JAZAL KT (2023-18-001)** under my guidance and supervision and that it has not previously formed the basis for the award of any degree, diploma, fellowship or associate ship to him.



Place: Tavanur

Date: 06/06/2026

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(Major Advisor, Advisory Committee)

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We, the undersigned members of the advisory committee of **Er. JAZAL KT (2023-18-001)**, a candidate for the degree of **Master of Technology in Agricultural Engineering** with major in Farm Machinery and Power Engineering, agree that the thesis entitled **“Debarking Machine for Jigat Tree”** may be submitted by **Er. JAZAL KT**, in partial fulfilment of the requirement for the degree.



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A handwritten signature in blue ink, appearing to read 'Jazal K.T.', with a large circular flourish on the left side.

JAZAL K.T

CONTENTS

Chapter No.	Title	Page No.
	LIST OF TABLES	i
	LIST OF FIGURES	ii- iv
	LIST OF PLATES	v - vi
	LIST OF APPENDICES	vii
	SYMBOLS AND ABBREVIATIONS	viii - x
I	INTRODUCTION	1-3
II	REVIEW OF LITERATURE	4-24
III	MATERIALS AND METHODS	25-82
IV	RESULTS AND DISCUSSION	83-105
V	SUMMARY AND CONCLUSION	106-108
	REFERENCES	109-118
	APPENDICES	119-135
	ABSTRACT	

LIST OF TABLES

Table No.	Title	Page No.
3.1	Technical specifications of the load cell	32
3.2	Specifications of spring	45
3.3	Specifications of sprockets	52
3.4	Detailed specifications of DC motor	55
3.5	Detailed specification of DC – DC buck converter	70
3.6	Detailed specification of rhino high power speed controller	71
3.7	Detailed specification of BNF rocker toggle switch with blue LED	72
3.8	Levels of experiment	77
4.1	Morphological parameters of Jigat tree	84
4.2	Cutting force and depth of insertion as analyzed by two-way ANOVA	85
4.3	Pareto-optimal blade–rake angle configurations	90
4.4	Blade thickness ranking based on piercing force, insertion depth and structural compliance	91
4.5	Rake angle ranking under optimal insertion conditions	92

LIST OF FIGURES

Fig. No.	Title	Page No.
3.1	Experimental setup for determination of piercing force	31
3.2	Dimensions of Single Bevel Edge blade	34
3.3	Dimensions of Double Bevel Edge blade	35
3.4	Dimensions of Serrated blade	35
3.5	Dimensions of cutting wheel	36
3.6	Diagrammatic representation of rake angle	36
3.7	Orthographic view of roller follower with ball bearing ID-7mm, OD-19mm, H-6mm	39
3.8	Displacement diagram for Simple Harmonic Motion	40
3.9	Cam profile with Simple Harmonic Motion for a radial roller follower	40
3.10	Displacement Diagram for Cycloidal Motion	42
3.11	Cam profile with Cycloidal Motion for a radial roller follower	43
3.12	Two springs connected in parallel	47
3.13	Sprocket with 14 teeth and ID = 6.5MM	51
3.14	Sprocket with 17 teeth and ID = 10 MM	51
3.15	Chain and Sprocket	53
3.16	DC motor	55
3.17	Vertical loading diagram of reciprocating shaft	58
3.18	Reciprocating shaft	59

3.19	Vertical loading diagram of cutting wheel shaft	61
3.20	Cutting wheel shaft	63
3.21	Handle grip	64
3.22	Ball bearing ID-10mm, OD-22mm, H-6mm	64
3.23	Ball bearing ID-7mm, OD-19mm, H-6mm	64
3.24	Dimensions of cam supporting plate	65
3.25	Cam assembly	65
3.26	Dimensions of cutting wheel supporting plate	66
3.27	Cutting wheel assembly	66
3.28	Blade Holder	67
3.29	Blade Holder black plate	67
3.30	Spring holder	67
3.31	Stopper	68
3.32	Complete circuit diagram	73
3.33	3D Model of the prototype	75
3.34	Orthographic view of prototype	76
4.1	Interaction effect of blade thickness and rake angle: (a) mean cutting force versus rake angle, (b) mean insertion depth versus rake angle.	87
4.2	Shows the residuals vs fitted values, normal Q–Q plot, residual distribution diagnostic plots for the cutting force and depth power-law model	88

4.3	Insertional efficiency as a function of blade thickness with a fitted power-law curve.	89
4.4	Cutting force at a rake angle of 90° with respect to the penetration depth.	90
4.5	Effect of blade thickness on material removal rate	94
4.6	Effect of blade speed on material removal rate	95
4.7	Effect of blade shape on material removal rate	96
4.8	Effect of rake angle on material removal rate	98
4.9	Specific power index for different blade shapes	99
4.10	Relationship between material removal rate and power consumption	100
4.11	Interaction effect between blade shape and speed	100
4.12	Relationship between desirability index and material removal rate	102

LIST OF PLATES

Plate No.	Title	Page No.
3.1	View of Jigat tree	28
3.2	Measurement of cutting height	29
3.3	Measurement of bark thickness using bark gauge and vernier caliper	29
3.4	Texture analyzer	30
3.5	Determination of moisture content by oven dry method	30
3.6	S-Type load cell	32
3.7	Digital indicator	33
3.8	Bark gauge	33
3.9	Flexible shaft	69
3.10	12V, 7Ah battery	69
3.11	DC-DC buck converter	70
3.12	High power speed controller	71
3.13	Rocker toggle switch	72
3.14	Field evaluation of developed debarking machine	78
4.1	Debarking with different blade geometry (3 mm thickness)	97
4.2	Debarking with different blade geometry (2 mm thickness)	97

4.3	Debarking at different rake angles	98
4.4	Debarking under optimized conditions	101

LIST OF APPENDICES

Appendices No.	Title	Page No.
I	Morphological properties of Jigat tree	119
II	Moisture Content of Jigat bark	120
III	Effect of blade thickness and rake angle on piercing force	121
IV	Experimental data for debarking machine performance	125
V	Cost economics of debarking machine	130

SYMBOLS AND ABBREVIATIONS

Symbols		Abbreviations
$\pm$	:	Plus or minus
$\times$	:	Multiplication
$^{\circ}$	:	Degree
$^{\circ}\text{C}$	:	Degree centigrade
DC	:	Direct Current
Amp	:	Ampere
ANOVA	:	Analysis of variance
B:C	:	Benefit cost
cm	:	Centimeter
GBH	:	Girth at Breast Height
w.b.	:	Wet basis
<i>et al.</i>	:	and others
mm s^{-1}	:	Millimetres per second
Fig.	:	Figure
FMPE	:	Farm Machinery and Power Engineering
F	:	Force
g	:	Gram
g s^{-1}	:	Grams per second
MMR	:	Material Removal Rate
SPI	:	Specific Power Index
A g^{-1}	:	Ampere per gram
Rs.	:	Rupees
V	:	Voltage

FSO	:	Full-scale output
VDC	:	Volts Direct Current
mV	:	millivolt
h	:	Hour
HSS	:	High-Speed Steel
SHM	:	Simple Harmonic Motion
N	:	Newton
W	:	Watt
k	:	Spring stiffness
G	:	Modulus of rigidity
Nmm^{-1}	:	Newton per millimetre
Nmm^{-2}	:	Newton per square millimetre
Nm	:	Newton metre
Nmm	:	Newton millimetre
P	:	Power
I	:	Current
RPM	:	Revolutions Per Minute
ha	:	Hectare
h y^{-1}	:	Hours per year
kg y^{-1}	:	Kilograms per year
hp	:	Horsepower
<i>i.e.</i>	:	that is
Sl. No.	:	Serial number
viz.,	:	Namely
yr	:	Year

π	:	Pi
θ	:	Theta
mm	:	Millimeter
sec	:	Seconds
S	:	Serrated
SBE	:	Single Bevel Edge
DBE	:	Double Bevel Edge
