DEPARTMENT OF MECHANICAL ENGINEERING

IV Sem PG (Machine Design) Project Details

AY: 2020-21

Code:19MMD43

Sl No	USN	Student Name	Title of the Project	Guide Name
1	1NH19MMD01	BASAVA KUMAR K G	Design Improvement pf Knucle Component using Topology and Shape Optimiztion	Prof. Chetan Kumar D S
2	1NH19MMD02	KAVITA V S	Validationj of Structural Integrity of Thrust Block with Design Enhancements and Material Recomondation in Renewable Energy Application	Dr. Srinath M K
3	1NH19MMD03	MOHAMMED FAROOQ YELLUR	Development of Ansys Automated Macros for Design and Analysis of Mechanical components using APDL Macros	Prof. Chetan Kumar D S
4	1NH19MMD04	PATIL DIVYESH KANTILAL	Experimental Optimization of Metal Inert Gas Welding process parameter of AL 6061 Alloy	Prof. Puneeth H V
5	1NH19MMD05	RAKSHITH K U	Design and Analysis of an Electric Vehicle Chasis	Prof. Veeresha G
6	1NH19MMD06	V N TANUJA GORRE	Four Jegged Spider Workable on Vertical Glass Surfac	e Prof. Santhosh A N

Professor & HoD-ME

HOD
Department of Mechanical Engineering
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Bengaturu - 560 103.

Autonomous College Permanently Affiliated to VTU, Approved by AICTE & UGC Accredited by NAAC with 'A' Grade, Accredited by NBA

DEPARTMENT OF MECHANICAL ENGINEERING



CERTIFICATE

It is certified that the Project work entitled "Design improvement of knuckle component using topology and shape optimization" carried out by BASAVA KUMAR KG, USN - 1NH19MMD01 the bonafide student of New Horizon College of Engineering, Bengaluru, in partial fulfillment for the award of Master of Technology in Machine Design of the Visvesvaraya Technological University, Belagavi during the year 2020-21. It is further certified that all corrections/suggestions indicated for internal assessment has been incorporated in the report deposited in the department library. The Project report has been approved as it satisfies the academic requirements in respect of project Work prescribed for the Master of Technology degree.

Signature of the Guide

Prof. Chetan Kumar D.S

Senior Assistant Professor Dept. of Mechanical Engineering. NHCE Stanature of the HOD

Dr. Shridhar Kurse

HOD-ME

Dept. of Mechanical Engineering. NHCE

Signature of the Principal

Dr. MANJUNATHA

Principal NHCE

Name(s) of the student:

BASAVA KUMAR KG

University Seat Number:

1NH19MMD01

External Viva

Examiner

Signature with date:

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DEPARTMENT OF MECHANICAL ENGINEERING



CERTIFICATE

It is certified that the Project work entitled "Validation of Structural Integrity of Thrust Block with Design Enhancements and Material recommendation in Renewable Energy Application" carried out by Kavita VS (1NH19MMD02), is a bonafide student of New Horizon College of Engineering, Bengaluru, in partial fulfillment for the award of Master of Technology in Machine Design of the Visvesvaraya Technological University, Belagavi during the year 2020-2021. It is further certified that all corrections/suggestions indicated for internal assessment has been incorporated in the report deposited in the department library. The Project report has been approved as it satisfies the academic requirements in respect of Project Work prescribed for the Master of Technology degree.

Signature of the Guide

Dr. SRINATH M. K

Associate Professor, ME Dept. Dept. of Mechanical Engineering. Signature of the HOD

Dr. SHRIDHAR KURSE

Prof. and HoD-ME

Dept. of Mechanical Engineering.

Signature of the Principal

Dr. MANJUNATHA

Principal NHCE

Name of the student:

Kavita VS

University Seat Number:

1NH19MMD02

External Viva

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CERTIFICATE

It is certified that the Internship work entitled "DEVELOPMENT OF ANSYS AUTOMATED MACROS FOR DESIGN & ANALYSIS OF MECHANICAL COMPONENTS USING APDL MACROS" carried out by MOHAMMED FAROOQ YELLUR (1NH19MMD03), the bonafide student of New Horizon College of Engineering, Bengaluru, in partial fulfillment for the award of Master of Technology in Machine Design of the Visvesvaraya Technological University, Belagavi during the year 2020-21. It is further certified that all corrections/suggestions indicated for internal assessment has been incorporated in the report deposited in the department library. The Project report has been approved as it satisfies the academic requirements in respect of Project Work prescribed for the Master of Technology degree.

Signature of the Guide Prof. CHETAN KUMAR DS

Sr. Assistant Professor
Dept. of Mechanical Engineering.

Signature of the HOD

Prof. and HOD Dept. of Mechanical Engineering. Signature of the Principal

Dr. MANJUNATHA
Principal
New Horizon College of Engineering.

Name(s) of the student:

MOHAMMED FAROOQ YELLUR **University Seat Number:**

1NH19MMD03

External Viva

Examiner

Signature with date

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DEPARTMENT OF MECHANICAL ENGINEERING



CERTIFICATE

It is certified that the Project work entitled "EXPERIMENTAL OPTIMIZATION OF METAL INERT GAS WELDING PROCESS PARAMETER ON AA6061 ALLOY 'carried out by DIVYESH K PATIL (1NH19MMD04), the bonafide students of New Horizon College of Engineering, Bengaluru, in partial fulfillment for the award of Master of Technology in Machine Design of the Visvesvaraya Technological University, Belagavi during the year 2020-2021. It is further certified that all corrections/suggestions indicated for internal assessment has been incorporated in the report deposited in the department library. The Project report has been approved as it satisfies the academic requirements in respect of Project Work prescribed for the Master of Technology degree.

H.V. Punce 4. 24/1/2021

Signature of the Guide

Mr,PUNEETH H V
Assistant Professor
Dept. of Mechanical Engineering.

Signature of the HOD Or. SHRIDHAR KURSE HoD-ME Dept. of Mechanical Engineering.

Name(s) of the student:

DIVYESH K PATIL

Majetha

Signature of the Principal

Dr. MANJUNATHA

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University Seat Number:

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It is certified that the Project work entitled "DESIGN AND ANALYSIS OF AN ELECTRIC VEHICLE CHASSIS" carried out by RAKSHITH K U (1NH19MMD05), the bonafide students of New Horizon College of Engineering, Bengaluru, in partial fulfillment for the award of Master of Technology in Machine Design of the Visvesvaraya Technological University, Belagavi during the year 2020-2021. It is further certified that all corrections/suggestions indicated for internal assessment has been incorporated in the report deposited in the department library. The Project phase-3 report has been approved as it satisfies the academic requirements in respect of Project Work prescribed for the Master of Technology degree.

Mr. VEERESHA G
Senior Assistant Professor ME Dept.
Dept. of Mechanical Engineering.

Signature of the HOD
Dr. SHRIDHAR KURSE
Dean, Prof. and HOD-ME
Dept. of Mechanical Engineering.

Signature of the Principal
Dr. MANJUNATHA
Principal
NHCE

Name(s) of the student:

RAKSHITH K U

<u>University Seat Number:</u>

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DEPARTMENT OF MECHANICAL ENGINEERING



CERTIFICATE

It is certified that the Project phase-3 work entitled "FOUR-LEGGED SPIDER ROBOT WALKABLE ON VERTICEL SURFACE" carried out by V N TANUJA GORRE (1NH19MMD06), the bonafide students of New Horizon College of Engineering, Bengaluru, in partial fulfillment for the award of Master of Technology in Machine Design of the Visvesvaraya Technological University, Belagavi during the year2020-2021. It further certified that all corrections/suggestions indicated for internal assessment has been incorporated in the report deposited in the department library. The Project phase-3 report has been approved as it satisfies the academic requirements in respect of Project Work prescribed for the Master of Technology degree.

gnature of the HOD

Dr. SHIRDHAR KURSE

Dean, Prof. and HoD-ME

Dept. of Mechanical Engineering.

Signature of the Guide

SANTHOSH A N

Sr.Asst Professor ME Dept.

Dept. of Mechanical Engineering.

Signature of the Principal

Dr. MANJUNATHA

Principal

NHCE