

**New Horizon College of Engineering
Department of Mechanical Engineering**

4th Year Project Batches-2020 2021

| Batch | Group Leader Name | Group Leader Phone No | Mail ID | Member-1 Name & USN | Member-2 Name & USN | Member-3 Name & USN | Member-4 Name & USN | Project Title | Guide Name |
|-------|---------------------------|-----------------------|---------|---|---|--|--|--|------------------------|
| A1 | AASHISH A JOSHI | 9632310283 | | AASHISH A JOSHI 1NH17ME002 | ARNI THARAKARAM HARIRAM 1NH17ME712 | K M VISHALL SOMAIYA 1NH17ME723 | MUBASHIR HUSSAIN 1NH17ME054 | Electric vehicle charging station | Dr. M.S Ganesha Prasad |
| A2 | MANISH KUMAR CHAUDHARY | 8861084024 | | MANISH KUMAR CHAUDHARY 1NH17ME047 | ASUTOSH KUMAR SAH 1NH17ME011 | BISHAL PULAMI MAGAR 1NH17ME020 | WASHI UDDIN KHAN 1NH17ME131 | Design and fabrication of wheel chair into foldable bed | Mr. Vinay. D.R |
| A3 | MOHAMMED NABEEL AHMED | 9886106929 | | MOHAMMED NABEEL AHMED 1NH17ME051 | B.MEGHANATH 1NH17ME013 | MAYUR LAXMAN KESARKAR 1NH17ME050 | MANOJ D R 1NH18ME408 | Design and fabrication of ackerman steering gear mechanism with movable headlights using embedded system for agricultural automobile | Mr. Kemparaju C R |
| A4 | AKHIL PAVITHRAN | 8050789478 | | AKHIL PAVITHRAN 1NH17ME004 | BILAL ABDUL RAZAK 1NH17ME019 | MUHAMMED MAHIR 1NH17ME055 | CHETAN KADIWAL 1NH17ME024 | Design and analysis of automatic fire extinguisher for vehicles | Mr. Karthik.S.N |
| A5 | JUBAL C BAVAN | 7022656320 | | JUBAL C BAVAN 1NH17ME037 | AKHIL SURESH 1NH17ME005 | ASHWIN S M 1NH17ME012 | KEERTHAN R 1NH17ME042 | Design and fabrication of IoT based coolant monitoring system | Dr. Nagendra.J |
| A6 | KARAN S KUMAR | 7619196138 | | KARAN S KUMAR 1NH17ME040 | KEERTHAN KUMAR SHETTY 1NH17ME041 | N R ARJUN 1NH17ME057 | PARIKSHITH B M 1NH17ME068 | Fabrication of automatic full body sanitizer sprayer with body temperature monitor | Dr. Aditi Raj |
| A7 | BALRAJ K | 8549838130 | | BALRAJ K 1NH17ME015 | GAUTHAM S 1NH17ME034 | MAHESH R 1NH17ME045 | MANIKANTA D V 1NH17ME046 | Design and fabrication of IoT based weed removal agricultural robot | Mr. Ravi Kumar . M |
| A8 | MANJUNATH R | 8197916439 | | MANJUNATH R 1NH17ME048 | BHARATH RAJ HK 1NH17ME017 | THARUN SAI 1NH17ME029 | DABBARA YOGESHWARA NAIDU 1NH17ME025 | Development of multi tasking, multi powered machine for agricultural purpose | Mr. Pavan Prabhakar |

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|-------|--------------------|-----------------------|---------|----------------------------------|----------------------------------|--------------------------------------|-----------------------------------|--|-------------------------|
| A9 | K S SHRENIK KUMAR | 9353205319 | | K S SHRENIK KUMAR 1NH17ME038 | GANGADHARA S 1NH17ME031 | AKSHAY KUMAR V 1NH18ME400 | MANOJ B N 1NH17ME049 | Design and fabrication of automatic pneumatic sheet metal cutting machine | Mr. Naresh K S |
| A10 | NITHIN B | 9740042662 | | NITHIN B 1NH17ME065 | JEFFRIN IMMANUEL A 1NH17ME137 | PRASHANTH NP 1NH17ME072 | SYED ZAID HUQ 1NH17ME109 | Design and simulation of dual axis solar tracking panel for rural areas | Dr. Priyabrata Adhikary |
| A11 | CHANNAVERPPA | 9538693563 | | CHANNAVERPPA 1NH18ME401 | UMESH 1NH18ME419 | CHETAN J 1NH18ME402 | KALAKUSA RAYABAGI 1NH18ME407 | Investigating the strength of the parts produced by friction welding process | Dr. Ashok Kumar |
| A12 | DEEPAK LAWRENCE | 8317406153 | | DEEPAK LAWRENCE 1NH17ME027 | BHARATH CHANDRA 1NH17ME016 | GANESH 1NH18ME404 | VENKATESH R 1NH18ME421 | Design and fabrication of prototype kitchen compost bin | Mr. Chetan Kumar D S |
| A13 | ANANTHAKRISHNA N J | 9739285667 | | ANANTHAKRISHNA N J 1NH16ME012 | ADHARSH K 1NH16ME006 | DEVARAJ J 1NH16ME024 | KIRAN KUMAR 1NH16ME043 | Design and fabrication of waste and non degradable plastic extrusion model | Mr. Raghu Tilak Reddy |
| A14 | AISHWARYA JACOB | 8971136836 | | AISHWARYA JACOB 1NH17ME135 | SAHIL SHEKAR 1NH17ME086 | NAYUNI CHETHAN HITHESH 1NH17ME060 | VISHAL SHARMA 1NH17ME136 | Development of E glass epoxy reinforced composite with graphite powder as filler material to improve weldability and tensile strength of an aircrafts fuselage and wings | Mr. Kamalashish Deb |
| A15 | NIBIN K R | 8904146946 | | BALAJI S 1NH17ME014 | NIBIN KR 1NH17ME062 | NANDISH V REDDY 1NH17ME058 | LALAN KUMAR MAHASTH 1NH17ME044 | Design and fabrication of advanced floor cleaning machine for aged and physically challenged | Mr. Naresh K S |
| A16 | NIKHIL O E | 9845818510 | | SHUBHAM CHOUDHARY 1NH17ME098 | ANIRUDDHA JAISWAL 1NH17ME008 | NIKHIL O.E 1NH17ME063 | ZAHD AHMAD 1NH17ME134 | Design and fabrication of portable auto CPR system | Mr. Shiva Prakash. S |
| A17 | ABHISHEK JADAV | 6362502510 | | ABHISHEK JADAV 1NH17ME003 | AMIT KUMAR YADAV 1NH17ME007 | DANIS ABAS NAIKOO 1NH17ME026 | JAYANTH RAJ 1NH17ME036 | Design and fabrication of a novel low cost portable water purifier | Dr. B. Viswanath |
| A18 | MOHAMMED AFTAB | 8861172246 | | MOHAMMED AFTAB 1NH14ME077 | ASHISH SATPATHY 1NH15ME26 | SAILESH KRISHNA SAMY 1NH17ME738 | | Ultrasonic distance measurement with electromagnetic breaking system and alcohol sensor | Mr. Ravi Kumar . M |

Dean, Professor and HoD, ME

HOD
Department of Mechanical Engineering
New Horizon College of Engineering
Bangalore - 560 103

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|-------|-----------------------|-----------------------|---------|----------------------------------|---------------------------------|-------------------------------|------------------------------|--|---------------------|
| B1 | VIGNESH KUMAR S | 9008443494 | | SONIC.SOMANNA PK 1NH17ME101 | VEDEESWARAN D 1NH17ME117 | VIGNESH KUMAR S 1NH17ME121 | SARAVANA S 1NH17ME092 | Design and performance analysis of PV solar dryer for retention of vital nutrients in fruits/vegetables | Mr. Ravi Kumar . M |
| B2 | SUDARSHAN R | 9035959371 | | SUDARSHAN R 1NH17ME105 | PRANAV R 1NH17ME071 | SYED RAHIM 1NH17ME754 | DHANUSH G 1NH18ME427 | Thermal management of battery's in EV | Dr. K Gopal |
| B3 | VENKATESH G TIMALAPUR | 7411610989 | | VENKATESH G TIMALAPUR 1NH18ME420 | RAJU S H 1NH18ME412 | RAKESH J R 1NH18ME414 | MUZZAMMIL 1NH18ME410 | Micro grinding and surface hardness test on coated surface | Dr. Srinath. M.K |
| B4 | POOJA S KULAL | 9148096019 | | POOJA S KULAL 1NH17ME070 | VRUSHOBH 1NH17ME130 | VIBIN CHANDER V 1NH17ME119 | RANJITH V 1NH18ME415 | Design and fabrication of waste sorting machine | Dr. Hemanth Raju T |
| B5 | RAKHESH C RANJANAGI | 8951283112 | | RAKHESH C RANJANAGI 1NH18ME413 | PRITHVI R 1NH18ME411 | SUDHARSHAN N 1NH18ME417 | MONISH BABU C 1NH18ME409 | Development of antiviral antigungal antibacterial coated face mask to prevent the spread of SARS COV-2 and other viruses | Dr. B. Viswanath |
| B6 | VISHNUTEJA | 8197399259 | | VISHNUTEJA 1NH17ME125 | CHETANNAIK 1NH17ME082 | VINAYAK BUDIHAL 1NH17ME123 | VISHWAS S 1NH17ME127 | Design and fabrication of a portable de-husking machine for millets using solar energy | Mr. Nagabhushana. N |
| B7 | VISHWASH K | 8610358430 | | VISHWASH K 1NH17ME128 | VINAYAK PRAKASH NAIK 1NH17ME124 | VIVEK V KUMAR 1NH17ME129 | YESHWANTH S REDDY 1NH17ME133 | Power generation in moving vehicles using wind turbine | Mr. Manjesh B .C |
| B8 | SIDDALINGESH B HASABI | 8884836385 | | SIDDALINGESH B HASABI 1NH17ME100 | SHREYAS S 1NH17ME097 | SHREENIVAS REDDY D 1NH17ME096 | SHIV RAJ G 1NH18ME416 | Development of garbage monitoring system using IoT | Mr. Santhosh.A.N |
| B9 | R SUJAY | 9148778023 | | R SUJAY 1NH17ME075 | BHASKAR REDDY 1NH16ME041 | SANDEEP M 1NH17ME088 | SUDARSHAN REDDY 1NH17ME106 | Design and fabrication of cost effective agricultural machine | Mr. Veeresha . G |
| B10 | SANJAY RAM J S | 9611709314 | | SANJAY RAM J S 1NH17ME090 | SANJU S 1NH17ME091 | SUMAN D 1NH17ME108 | RAVINDRA V 1NH17ME077 | Design and fabrication of zigbee device for fault detection monitoring and controlling of induction motor | Mr. Hanamanth . Y |
| B11 | HASEEB ULLA KHAN | 8971565459 | | HASEEB ULLA KHAN 1NH18ME406 | SUKOMAL KUMAR 1NH17ME107 | VIKRAM S SINGH 1NH18ME422 | SHUDARSHANA K R 1NH18ME418 | Design and fabrication of automobile failure alert and power cut off system | Mr. Sudharshan T. A |

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| B12 | YAKSHA V | 9448236666 | | YAKSHA V 1NH17ME132 | SUHAS S 1NH17ME084 | SRIKANTH K 1NH17ME102 | RAKESH 1NH17ME076 | Segregation of waste using robotics | Mr. Rajesh. A |
| B13 | SHUBHAM DEVANAND THORAT | 9611364797 | | SHUBHAM DEVANAND THORAT 1NH17ME099 | VENKATESH A 1NH17ME118 | SHAIKH ABDUL ALAM TACAHAJ 1NH17ME094 | SANDESH M S 1NH17ME089 | study and development of edible plates for domestic use | Mr. Bopanna K. D |
| B14 | A ROSHAN PRUTHVISH | 9731085037 | | A ROSHAN PRUTHVISH 1NH17ME001 | P PRASANTH NARAYAN 1NH17ME067 | VANKAYALAPATI ROHITH 1NH17ME116 | T SHANMUKHA 1NH16ME119 | Design and fabrication of hybrid drift trike for easy commute in rural areas | Mr. Puneeth H. V |
| B15 | VISHNU V | 7204537639 | | VISHNU V 1NH17ME126 | DARSHAN A L 1NH18ME403 | RITIK KUMAR SINGH 1NH17ME080 | KISHLAY KUMAR 1NH17ME043 | Kitchen waste water harvesting | Ms. Megha Shukla |

Dean, Professor and HoD-ME

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Bangalore - 560 103.

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|-------|-----------------------------------|-----------------------|---------|---|---------------------------------------|-----------------------------------|---|--|---------------------------------------|
| C1 | FRANCIS J KALLIATH | 9110847828 | | FRANCIS J KALLIATH 1NH17ME717 | NIKHIL R 1NH17ME064 | MURALI KRISHNAN M P 1NH17ME056 | AATISH BASAVARAJ MUNDASAD 1NH17ME700 | To develop a deep learning based facial recognition AI model for optimization of parameters in an automated home and office system using IoT | Mr. Vinayak Balehittal |
| C2 | ABHIJITH B | 9611816606 | | ABHIJITH B 1NH17ME701 | ASHISH JOSE VARGHESE 1NH17ME713 | AMIT VERNEKAR 1NH17ME711 | HASEEB KHAN 1NH17ME721 | Design and fabrication of an electric café racer | Mr. Vinod Kumar G S |
| C3 | ARVIND SHARMA | 9620587629 | | ARAVIND SHARMA 1NH14ME720 | AMEET GURURAJ 1NH17ME710 | AKASH HEGDE 1NH17ME705 | PRASHANTH J 1NH17ME736 | Performance and exhaust analysis of ultrasonic transesterified blends of pongamia oil with bio diesel | Mr. Ravi Kumar . M |
| C4 | SHARAD PARATE | 9036428906 | | SHARAD PARATE 1NH17ME745 | SHRAVAN ARULJOTHI 1NH17ME747 | NEHAL ANDANI 1NH17ME731 | HARSHIT SHIVAKUMAR 1NH17ME720 | Development of a home security robot with facial recognition using deep learning and IoT | Mr. Vinayak Balehittal |
| C5 | VINAY KUMAR K | 8861171963 | | VINAY KUMAR K 1NH17ME759 | ABHISHEK NAYAKA M 1NH17ME703 | AKSHAY G ARAMOTI 1NH17ME707 | V JAYA KRISHNA 1NH17ME757 | Design and development of smart irrigation system using IoT | Mr. Sujeeth |
| C6 | ALEX BABEN | 9744656082 | | ALEX BABEN 1NH17ME709 | SANAL SANKARANKUTTY 1NH17ME734 | ROHAN S NAIR 1NH17ME741 | MUHAMMAD ASHIQUE 1NH17ME727 | Automatic speed braker warning system | Dr. M.S Ganesha Prasad Puneeth H V |
| C7 | AKASH V | 8050564988 | | AKASH V 1NH18ME423 | VASANTH KUMAR S 1NH18ME432 | HARI CHARAN H M 1NH18ME428 | | Monowheel bike for transportational purpose | Dr. Ashok Kumar |
| C8 | CHOUDHURY RAJAT KUMAR PATTNAIK | 8217239607 | | CHOUDHURY RAJAT KUMAR PATTNAIK 1NH17ME715 | ADITYA DUBEY 1NH17ME704 | AKASH KUMAR NATH 1NH17ME706 | TARUN KUMAR SHARMA 1NH17ME111 | Design and fabrication of remote controlled nursing vehicle | Dr. K Gopal |
| C9 | SHREYAS J | 9738782371 | | SHREYAS J 1NH17ME748 | GITESH KRISHNA 1NH17ME719 | GASTEL THOMAS 1NH17ME718 | L ANOOSH 1NH17ME725 | Design of rocker bogie mechanism by fabrication of the rough terrain vehicle using the concept of suspension system in the bogie mechanism | Dr. Gopala Krishnan |
| C10 | MOHAMMED FAHEEM | 7676594708 | | MOHAMMED FAHEEM 1NH17ME729 | HARSHA PRASAD 1NH17ME732 | KEERTHAN ST 1NH17ME724 | RAM MOHAN 1NH17ME740 | Finite volume analysis on drone propeller blade | Ms. Megha Shukla |
| C11 | SHUBHAM R MALLADAD | 9148221802 | | SHUBHAM R MALLADAD 1NH17ME750 | AKHILESH SHETKAR 1NH17ME746 | VINOD S TELI 1NH18ME433 | KARTHIK N C 1NH18ME429 | Smart irrigation using IoT | Dr. Aditi Raj |
| C12 | V BHARGAV | 8197630212 | | V BHARGAV 1NH17ME756 | SHREYAS V 1NH17ME749 | SUDHAKAR N 1NH17ME752 | MANOJ NAIK M 1NH17ME723 | Design and fabrication of automatic motorbike stand slider | Mr. Sudharshan T. A |
| C13 | SATISH KUMAR P | 8095317563 | | SATISH KUMAR P 1NH17ME744 | PRITHVI RAJ R 1NH17ME737 | MAGESH KUMAR P 1NH17ME733 | BADAGALA SRIKAR 1NH17ME751 | Topology optimization for the load carrying fixture, aiming for better strength and lower weight towards the enhancement of fuel economy in locomotive | Dr. Nagendra. J |
| C14 | AKSHAY KUMAR U | 7026548830 | | AKSHAY KUMAR U 1NH17ME708 | DHANUSH VIRAJ 1NH17ME716 | VENU GOPAL D 1NH17ME758 | CHEETHAN J 1NH17ME714 | Nutrients analysis of agricultural products using forced convection dryer | Mr. Kamalashish Deb |

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| C15 | AVINASH T | 9071884409 | | AVINASH T 1NH18ME426 | ANJAPPA N M 1NH18ME425 | SACHIN KUMAR 1NH17ME743 | R R SAILESH KRISHNA SAMY 1NH17ME738 | Design and fabrication for emergency braking system in four wheeler | Mr. Karthik.S.N |

Dean, Professor and HoD-ME

HOD
 Department of Mechanical Engineering
 New Horizon College of Engineering
 Bengaluru - 560 103.

NEW HORIZON COLLEGE OF ENGINEERING


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DEPARTMENT OF MECHANICAL ENGINEERING




CERTIFICATE

It is certified that the Project work entitled "Electric Vehicle Charging Station" carried out by, AASHISH A JOSHI (1NH17ME002), MUBASHIR HUSSAIN (1NH17ME054), ARNI THARAKARAM HARIRAM (1NH17ME712), K M VISHALL SOMAIYA (1NH17ME723) the bona fide students of New Horizon College of Engineering, Bengaluru, in partial fulfillment for the award of Bachelor of Engineering in Mechanical Engineering of the Visvesvaraya Technological University, Belgaum 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 has been approved as it satisfies the academic requirements in respect of Project Work prescribed for the Bachelor of Engineering degree.


Signature of the Guide
Mrs. SANTHOSH A N
Assistant Professor
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(s) of the student:

Aashish A Joshi
Mubashir Hussain
Arni Tharakaram Hariram
K M Vishall Somaiya

University Seat Number:

1NH17ME002
1NH17ME054
1NH17ME712
1NH17ME723

External Viva Examiner

Signature with date

- 1.
- 2.

NEW HORIZON COLLEGE OF ENGINEERING

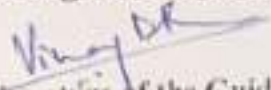
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DEPARTMENT OF MECHANICAL ENGINEERING




CERTIFICATE

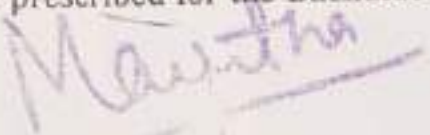
It is certified that the Project work entitled "DESIGN AND FABRICATION OF WHEELCHAIR INTO FOLDABLE BED" carried out by Washiuddin Khan (1NH17ME131), Asutosh Kumar Sah (1NH17ME011), Manish Kumar Chaudhary (1NH17ME047), Bishal Pulami Magar (1NH17ME020), the bonafide students of New Horizon College of Engineering, Bengaluru, in partial fulfillment for the award of Bachelor of Engineering in Mechanical Engineering of the Visvesvaraya Technological University, Belgaum 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 has been approved as it satisfies the academic requirements in respect of Project Work prescribed for the Bachelor of Engineering degree.


Signature of the Guide

Prof. Vinay D.R.
Asst. Professor
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(s) of the student:

Washiuddin Khan
Asutosh Kumar Sah
Manish Kumar Chaudhary
Bishal Pulami Magar

University Seat Number:

1NH17ME131
1NH17ME011
1NH17ME047
1NH17ME020

External Viva

Examiner

- 1.
- 2.

Signature with date:

NEW HORIZON COLLEGE OF ENGINEERING

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& NBA

DEPARTMENT OF MECHANICAL ENGINEERING



CERTIFICATE

It is certified that the Project work at "Design and Fabrication of Steering Gear Mechanism with Movable Headlights Using Embedded Systems" is carried out by (MEGHANATH B 1NH17ME013, MAYUR LAXMAN 1NH17ME050, MOHAMMED NABEEL AHMED 1NH17ME051, MANOJ DR 1NH18ME408) the partial fulfillment for award of degree of Bachelor of Engineering in Mechanical Engineering of New Horizon College of Engineering, Bangalore 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 has been approved as it satisfies the academic requirements in respect of Project Work prescribed for the Bachelor of Engineering degree.

Signature of the guide
Mr. Kemparaju C.R.

Assistant Professor
Dept. of Mechanical Engineering

Signature of the HOD
Dr. Shreedhar Kurse

HOD,
Dept. of Mechanical Engineering

Signature of the Principal
Dr. MANJUNATHA

Principal
NHCE

Name(s) of the student:

MEGHANATH B
MAYUR LAXMAN
MOHAMMED NABEEL
MANOJ DR

University Seat Number:

1NH17ME013
1NH17ME050
1NH17ME051
1NH18ME408



NEW HORIZON COLLEGE OF ENGINEERING
DEPARTMENT OF MECHANICAL ENGINEERING
BANGALORE-560 103

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2021

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DEPARTMENT OF MECHANICAL

ENGINEERING

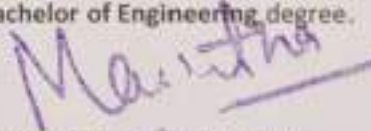


CERTIFICATE

It is certified that the Project work entitled "Design and Analysis of Automatic Fire Extinguisher for Vehicles" carried out by Akhil Pavithran (1NH17ME004), Bilal Abdul Razak (1NH17ME019), Chetan Kadiwal (1NH17ME024), Muhammad Mahir (1NH17ME055) the bonafide students of New Horizon College of Engineering, Bengaluru, in fulfillment for the award of Bachelor of Engineering in Mechanical Engineering of the Visvesvaraya Technological University, Belgaum 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 has been approved as it satisfies the academic requirements in respect of Project Work prescribed for the Bachelor of Engineering degree.


Signature of the Guide
Prof. Karthik S N
Assistant Prof.
Dept. of Mechanical Engineering.


Signature of the HOD
Dr. M.S. GANESHA PRASAD
Dean, Prof. and HOD-ME
Dept. of Mechanical Engineering.


Signature of the Principal
Dr. MANJUNATHA
Principal
NHCE

Name(s) of the student:

Akhil Pavithran
Bilal Abdul Razak

University Seat Number:

1NH17ME004
1NH17ME019

NEW HORIZON COLLEGE OF ENGINEERING

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DEPARTMENT OF MECHANICAL ENGINEERING




CERTIFICATE

It is certified that the Project work entitled "Antibacterial coating on filtration membranes for treatment of cutting fluids" carried out by AKHIL SURESH (1NH17ME005), ASWIN S M (1NH17ME012), JUBAL C BAVAN (1NH17ME037), KEERTHAN R (1NH17ME042), the bonafide students of New Horizon College of Engineering, Bengaluru, in partial fulfillment for the award of Bachelor of Engineering in Mechanical Engineering 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 has been approved as it satisfies the academic requirements in respect of Project Work prescribed for the Bachelor of Engineering degree.


Signature of the Guide

Dr. Nagendra J
Associate Professor, NHCE
Dept. of Mechanical Engineering


Signature of the HOD

Dr. SRIDHAR KURSE
Prof. and HoD-ME
Dept. of Mechanical Engineering


Signature of the Principal

Dr. MANJUNATHA
Principal
NHCE

Name(s) of the student:

Akhil Suresh
Aswin S M
Jubal C Bavan
Keerthan R

University Seat Number:

1NH17ME005
1NH17ME012
1NH17ME037
1NH17ME042

External Viva

Examiner

- 1.
- 2.

Signature with date:

NEW HORIZON COLLEGE OF ENGINEERING

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DEPARTMENT OF MECHANICAL ENGINEERING



CERTIFICATE

It is certified that the Project work entitled "Design And Development of Advanced Windshield Wiper" carried out by KARAN S KUMAR (1NH17ME040), KEERTHAN SHETTY (1NH17ME041), N R ARJUN (1NH17ME057), PARIKSHITH B M (1NH17ME068), the bonafide students of New Horizon College of Engineering, Bengaluru, in partial fulfillment for the award of Bachelor of Engineering in Mechanical Engineering 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 has been approved as it satisfies the academic requirements in respect of Project Work prescribed for the Bachelor of Engineering degree.


Signature of the Guide

Dr. ADITI RAJ
Senior Assistant Professor, Dept of
ME
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(s) of the student:

KARAN S KUMAR
KEERTHAN SHETTY
N R ARJUN
PARIKSHITH B M

University Seat Number:

1NH17ME040
1NH17ME041
1NH17ME057
1NH17ME068

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Examiner

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Signature with date:

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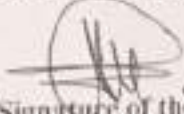
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DEPARTMENT OF MECHANICAL ENGINEERING



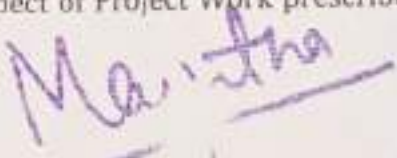
CERTIFICATE

It is certified that the Project work entitled "AN INVESTIGATION ON THE MECHANICAL PROPERTIES OF Al 6063/SiC/GRAPHITE HYBRID METAL MATRIX COMPOSITES" carried out by BALRAJ K(1NH17ME015), GOUTHAM S(1NH17ME034), MAHESH R(1NH17ME045), MANIKANTA D V (1NH17ME046), the bonafide students of New Horizon College of Engineering, Bengaluru, in partial fulfillment for the award of Bachelor of Engineering in Mechanical Engineering 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 has been approved as it satisfies the academic requirements in respect of Project Work prescribed for the Bachelor of Engineering degree.


Signature of the Guide
Prof. RAVI KUMAR M

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(s) of the student:

BALRAJ K
GOUTHAM S
MAHESH R
MANIKANTA D V

University Seat Number:

1NH17ME015
1NH17ME034
1NH17ME045
1NH17ME046

External Viva

Examiner

- 1.
- 2.

Signature with date:

NEW HORIZON COLLEGE OF ENGINEERING

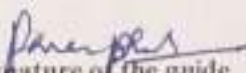
Autonomous College affiliated to VTU, Accredited by NAAC with 'A' Grade
& NBA

DEPARTMENT OF MECHANICAL ENGINEERING




CERTIFICATE

It is certified that the Project work at "Development of Multi-tasking, Multi powered Machine for Agricultural Purpose" is carried out by (BHARATH RAJ HK 1NH17ME017, D YOGESHWAR NAIDU 1NH17ME025, G THARUN SAI 1NH17ME029, MANJUNATH R 1NH17ME048) the partial fulfillment for award of degree of Bachelor of Engineering in Mechanical Engineering of New Horizon College of Engineering, Bangalore 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 has been approved as it satisfies the academic requirements in respect of Project Work prescribed for the Bachelor of Engineering degree.


Signature of the guide
Mr. Kadole Pavan Prabhakar,
Assistant Professor
Dept. of Mechanical Engineering.


Signature of the HOD
Dr. Shridhar Kurse
Dean, Professor & HOD,
Dept. of Mechanical Engineering.


Signature of the Principal
Dr. MANJUNATHA
Principal
NHCE

Name(s) of the student:

BHARATH RAJ H K
D YOGESHWAR NAIDU
G THARUN SAI
MANJUNATH R

University Seat Number:

1NH17ME017
1NH17ME025
1NH17ME029
1NH17ME048

NEW HORIZON COLLEGE OF ENGINEERING


New Horizon Knowledge Park, Ring Road, Marathalli
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DEPARTMENT OF MECHANICAL ENGINEERING

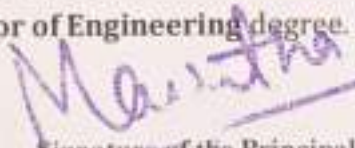


CERTIFICATE

It is certified that the Project work entitled "DESIGN AND FABRICATION OF AUTOMATIC PNEUMATIC SHEET METAL CUTTING MACHINE" carried out by K S SHRENIK KUMAR (1NH17ME038), AKSHAY KUMAR V (1NH18ME400), GANGADHARA S (1NH17ME031), MANOJ B N (1NH17ME049), the bonafide students of New Horizon College of Engineering, Bengaluru, in partial fulfillment for the award of Bachelor of Engineering in Mechanical Engineering 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 has been approved as it satisfies the academic requirements in respect of Project Work prescribed for the Bachelor of Engineering degree.


Signature of the Guide
NARESH K S
Asst Professor
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(s) of the student:

K S SHRENIK KUMAR
AKSHAY KUMAR V
GANGADHARA S
MANOJ B N

University Seat Number:

1NH17ME038
1NH18ME400
1NH17ME031
1NH17ME049

External Viva

Examiner

1:

2:

Signature with date:

NEW HORIZON COLLEGE OF ENGINEERING


New Horizon Knowledge Park, Ring Road, Marathalli
Autonomous College Permanently Affiliated to VTU, Approved by AICTE & UGC
Accredited by NAAC with 'A' Grade, Accredited by NBA

DEPARTMENT OF MECHANICAL ENGINEERING

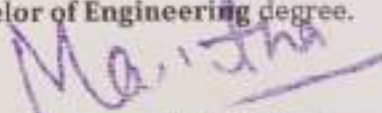


CERTIFICATE

It is certified that the Project work entitled "Design & Simulation of Dual Axis Solar Tracking Panel for Rural Areas" carried out by Nithin Bali (1NH17ME065), Prashanth N Prasad (1NH17ME072), Syed Zaid Huq (1NH17ME109), Jeffrin Immanuel A (1NH17ME137), the bonafide students of New Horizon College of Engineering, Bengaluru, in partial fulfillment for the award of Bachelor of Engineering in Mechanical Engineering of the Visvesvaraya Technological University, Belagavi during the year 2020-2021. It is further certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report deposited in the department library. The Project has been approved as it satisfies the academic requirements in respect of Project Work prescribed for the Bachelor of Engineering degree.


Signature of the Guide
Dr. PRIYABRATA ADHIKARY
Prof.
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(s) of the student:

Nithin Bali
Prashanth N Prasad
Syed Zaid Huq
Jeffrin Immanuel A

University Seat Number:

1NH17ME065
1NH17ME072
1NH17ME109
1NH17ME137

External Viva

Examiner

- 1.
- 2.

Signature with date:

NEW HORIZON COLLEGE OF ENGINEERING


New Horizon Knowledge Park, Ring Road, Marathalli
Autonomous College Permanently Affiliated to VTU, Approved by AICTE & UGC
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DEPARTMENT OF MECHANICAL ENGINEERING

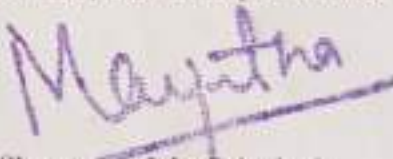


CERTIFICATE

It is certified that the Project work entitled "Investigating the Strength of the Parts Produced by Friction Welding Process" carried out by CHANNAVEERAPPA NINGAPPA SHETTAR (1NH18ME401), CHETAN JAVALAGI (1NH18ME402), KALAKUSA RAIBAGI (1NH18ME407), UMESH (1NH18ME419), the bonafide students of New Horizon College of Engineering, Bengaluru, in partial fulfillment for the award of Bachelor of Engineering in Mechanical Engineering 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 has been approved as it satisfies the academic requirements in respect of Project Work prescribed for the Bachelor of Engineering degree.


Signature of the Guide
Prof. Dr. Ashok Kumar
Assistant Professor
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(s) of the student:

CHANNAVEERAPPA NS
CHETAN JAVALAGI
KALAKUSA RAIBAGI
UMESH

University Seat Number:

1NH18ME401
1NH18ME402
1NH18ME407
1NH18ME419

External Viva

Examiner

- 1.
- 2.

Signature with date:

NEW HORIZON COLLEGE OF ENGINEERING

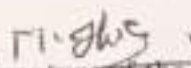
New Horizon Knowledge Park, Ring Road, Marathalli
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Accredited by NAAC with 'A' Grade. Accredited by NBA

DEPARTMENT OF MECHANICAL ENGINEERING

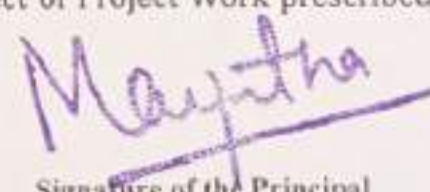


CERTIFICATE

It is certified that the Project work entitled "Design and Fabrication of Plastic Extrusion Machine" carried out by ANANTHAKRISHNAN J (1NH16ME012), DEVARAJ J (1NH16ME024), KIRAN KUMAR D J (1NH16ME043), ADHARSH K (1NH16ME006) the bonafide students of New Horizon College of Engineering, Bengaluru, in partial fulfillment for the award of Bachelor of Engineering in Mechanical Engineering 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 has been approved as it satisfies the academic requirements in respect of Project Work prescribed for the Bachelor of Engineering degree.


Signature of the Guide
Prof. Reghu Tilak Reddy
Sr Assistant Prof.
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(s) of the student:

ANANTHAKRISHNAN J
DEVARAJ J
KIRAN KUMAR D J
ADHARSH K

University Seat Number:

1NH16ME012
1NH16ME024
1NH16ME043
1NH16ME006

External Viva

Examiner Signature with date:

- 1.
- 2.

NEW HORIZON COLLEGE OF ENGINEERING

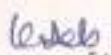
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Accredited by NAAC with 'A' Grade, Accredited by NBA

DEPARTMENT OF MECHANICAL ENGINEERING




CERTIFICATE

It is certified that the Major Project work entitled "Development of E-glass Epoxy reinforced composite with graphite powder as filler material to improve tensile strength of an aircraft's fuselage and wings" carried out by NAYUNI CHETHAN (1NH17ME060), SAHIL SHEKAR (1NH17ME086), AISHWARYA JACOB (1NH17ME135), VISHAL SHARMA (1NH17ME136), the bonafide students of New Horizon College of Engineering, Bengaluru, in partial fulfillment for the award of Bachelor of Engineering in Mechanical Engineering 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 Major Project has been approved as it satisfies the academic requirements in respect of Project Work prescribed for the Bachelor of Engineering degree.


Signature of the Guide
Mr. KAMALASISH DEB
Asst. Professor
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:
Nayuni Chethan Hithesh
Sahil Shekar
Aishwarya Jacob
Vishal Sharma

University Seat Number:
1NH17ME060
1NH17ME086
1NH17ME135
1NH17ME136

External Viva

Examiner

Signature with date:

- 1.
- 2.

NEW HORIZON COLLEGE OF ENGINEERING

New Horizon Knowledge Park, Ring Road, Marathalli
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Accredited by NAAC with 'A' Grade, Accredited by NBA


DEPARTMENT OF MECHANICAL ENGINEERING

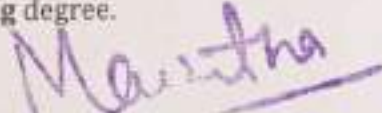


CERTIFICATE

It is certified that the Project work entitled "Design and Simulation of Advanced Floor Cleaning Machine" carried out by NIBIN K R(1NH17ME062), BALAJI S(1NH17ME014), NANDISH V REDDY (1NH17ME058), LALAN KUMAR MAHA SETH (1NH17ME044), the bonafide students of New Horizon College of Engineering, Bengaluru, in partial fulfillment for the award of Bachelor of Engineering in Mechanical Engineering 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 has been approved as it satisfies the academic requirements in respect of Project Work prescribed for the Bachelor of Engineering degree.


Signature of the Guide
VINOD KUMAR G S
Assistant Professor
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(s) of the student:

NIBIN K R
BALAJI S
NANDISH V REDDY
LALAN KUMAR
MAHA SETH

University Seat Number:

1NH17ME062
1NH17ME014
1NH17ME058
1NH17ME044

External Viva

Examiner

- 1.
- 2.

Signature with date:

NEW HORIZON COLLEGE OF ENGINEERING


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 "MODAL ANALYSIS OF FOUR CYLINDER CRANKSHAFT AND NOISE REDUCTION OF MIXER JAR USING CONSTRAINED LAYER DAMPING" carried out by Aniruddha Jaiswal (1NH17ME008), Shubham Choudhary (1NH17ME098), Zahid Ahmad Wagay (1NH17ME134), Nikhil O.E (1NH17ME063), the bonafide students of New Horizon College of Engineering, Bengaluru, in partial fulfillment for the award of Bachelor of Engineering in Mechanical Engineering of the Visvesvaraya Technological University, Belgaum 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 has been approved as it satisfies the academic requirements in respect of Project Work prescribed for the Bachelor of Engineering degree.


Signature of the Guide
Prof SHIVAPRAKASH S
Asst. Professor
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:

Aniruddha Jaiswal
Shubham Choudhary
Zahid Ahmad Wagay
Nikhil O.E

University Seat Number:

1NH17ME008
1NH17ME098
1NH17ME134
1NH17ME063

External Viva

Examiner

Signature with date:

1.

2

NEW HORIZON COLLEGE OF ENGINEERING


New Horizon Knowledge Park, Ring Road, Marathalli
Autonomous College Permanently Affiliated to VTU, Approved by AICTE & UGC
Accredited by NAAC with 'A' Grade, Accredited by NBA

DEPARTMENT OF MECHANICAL ENGINEERING

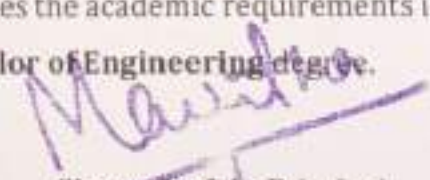


CERTIFICATE

It is certified that the Project work entitled "Design and fabrication of a novel low cost portable water purifier" carried out by Abhishek Jadhav (1NH17ME003), Amit Kumar Yadav (1NH17ME007), Danish Abas Naikoo (1NH17ME026), Jayanth Raj A (1NH17ME036), the bonafide students of New Horizon College of Engineering, Bengaluru, in partial fulfillment for the award of Bachelor of Engineering in Mechanical Engineering 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 has been approved as it satisfies the academic requirements in respect of Project Work prescribed for the Bachelor of Engineering degree.


Signature of the Guide
Dr. B. Viswanath
Professor
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(s) of the student:

Abhishek Jadhav
Amit Kumar yadav
Danish Abas Naikoo
Jayanth Raj A

University Seat Number:

1NH17ME003
1NH17ME007
1NH17ME026
1NH17ME036

External Viva

Examiner

1.

2.

Signature with date:

NEW HORIZON COLLEGE OF ENGINEERING


New Horizon Knowledge Park, Ring Road, Marathalli
Autonomous College Permanently Affiliated to VTU, Approved by AICTE & UGC
Accredited by NAAC with 'A' Grade, Accredited by NBA

DEPARTMENT OF MECHANICAL ENGINEERING




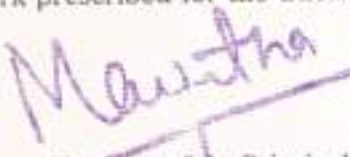
CERTIFICATE

It is certified that the Project work entitled "Ultrasonic distance measurement with electromagnetic braking system and alcohol sensor" carried out by Ashish Satapathy (1NH15ME026), Mohammed Aftab (1NH14ME077) the bonafide students of New Horizon College of Engineering, Bengaluru, in partial fulfillment for the award of Bachelor of Engineering in Mechanical Engineering 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 has been approved as it satisfies the academic requirements in respect of Project Work prescribed for the Bachelor of Engineering degree.


Signature of the Guide
Prof Ravi Kumar .M
Prof Bopanna K.D

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(s) of the student:

Ashish Satapathy
Mohammed Aftab

University Seat Number:

1NH15ME026
1NH14ME077

External Viva

Examiner

- 1.
- 2.

Signature with date:

NEW HORIZON COLLEGE OF ENGINEERING

New Horizon Knowledge Park, Ring Road, Marathalli
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 "PERFORMANCE ANALYSIS OF FOOD DRYER FOR RETENTION OF NUTRIENTS IN FRUITS/VEGETABLES" carried out by SARAVANA S (1NH17ME092), SONIC SOMANNA PK (1NH17ME101), VEDEESWARAN D (1NH17ME117), VIGNESH KUMAR S (1NH17ME121), the bonafide students of New Horizon College of Engineering, Bengaluru, in partial fulfillment for the award of Bachelor of Engineering in Mechanical Engineering 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 Internship work has been approved as it satisfies the academic requirements in respect of project Work prescribed for the Bachelor of Engineering degree.


Signature of the Guide

Prof. Rav Kumar M
Professor
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(s) of the student:

SARAVANA S
SONIC SOMANNA PK
VEDEESWARAN D
VIGNESH KUMAR S

University Seat Number:

1NH17ME092
1NH17ME101
1NH17ME117
1NH17ME121

External Viva

Examiner

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2.

Signature with date:

NEW HORIZON COLLEGE OF ENGINEERING

New Horizon Knowledge Park, Ring Road, Marathalli
Autonomous College Permanently Affiliated to VTU, Approved by AICTE & UGC
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DEPARTMENT OF MECHANICAL ENGINEERING

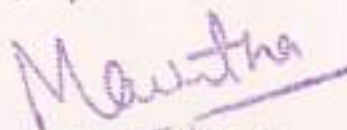


CERTIFICATE

It is certified that the Project work entitled "Micro grinding and surface hardness test on coated surface" carried out by Muzamil (1NH18ME410), Raju S H (1NH18ME412), Rakesh J R (1NH18ME414), Venkatesh G T (1NH18ME420), the bonafide students of New Horizon College of Engineering, Bengaluru, in partial fulfillment for the award of Bachelor of Engineering in Mechanical Engineering 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 has been approved as it satisfies the academic requirements in respect of Project Work prescribed for the Bachelor of Engineering degree.


Signature of the Guide
Dr. Srinath M.K.
Assistant professor,
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(s) of the student:

MUZAMMIL
RAJU S H
RAKESH J R
VENKATESH G T

University Seat Number:

1NH18ME410
1NH18ME412
1NH18ME414
1NH18ME420

External Viva

Examiner

- 1.
- 2.

Signature with date:

NEW HORIZON COLLEGE OF ENGINEERING


New Horizon Knowledge Park, Ring Road, Marathalli
Autonomous College Permanently Affiliated to VTU, Approved by AICTE & UGC
Accredited by NAAC with 'A' Grade, Accredited by NBA

DEPARTMENT OF MECHANICAL ENGINEERING

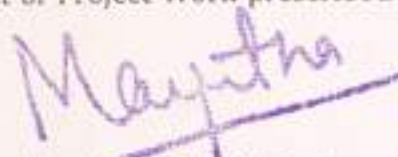


CERTIFICATE

It is certified that the Project work entitled "Design and fabrication of waste sorting machine" carried out by Pooja S Kulal (1NH17ME070), Ranjith V (1NH18ME415), Vibin Chander V (1NH17ME119), Vrushobh V Sreedar (1NH17ME130), the bonafide students of New Horizon College of Engineering, Bengaluru, in partial fulfillment for the award of Bachelor of Engineering in Mechanical Engineering 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 has been approved as it satisfies the academic requirements in respect of Project Work prescribed for the Bachelor of Engineering degree.


Signature of the Guide
DR. HEMANTH RAJU T
Associate Professor
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(s) of the student:

Pooja S Kulal
Ranjith V
Vibin Chander V
Vrushobh V Sreedar

University Seat Number:

1NH17ME070
1NH18ME415
1NH17ME119
1NH17ME130

External Viva

Examiner

- 1.
- 2.

Signature with date:

NEW HORIZON COLLEGE OF ENGINEERING

New Horizon Knowledge Park, Ring Road, Marathalli
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 "DEVELOPMENT OF ANTIVIRAL, ANTIFUNGAL & ANTIBACTERIAL COATED FACE MASK TO PREVENT SPREAD OF SARS COV-2 AND OTHERS VIRUSES" carried out by PRITHVI R (1NH18ME411), MONISH BABU C (1NH18ME409), RAKHESH C R (1NH18ME413), SUDARSHAN N (1NH18ME417), the bonafide students of New Horizon College of Engineering, Bengaluru, in partial fulfillment for the award of Bachelor of Engineering in Mechanical Engineering 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 has been approved as it satisfies the academic requirements in respect of Project Work prescribed for the Bachelor of Engineering degree.

Signature of the Guide
Dr. VISHWANATH BELLIE
Professor-ME
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(s) of the student:

Prithvi R
Monish Babu C
Rakesh C R
Sudarshan N

University Seat Number:

1NH18ME411
1NH18ME409
1NH18ME413
1NH18ME417

External Viva

Examiner

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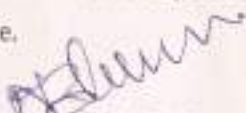
Signature with date:


DEPARTMENT OF MECHANICAL ENGINEERING

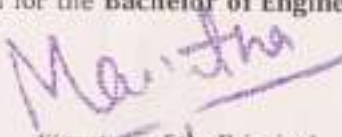


CERTIFICATE

It is certified that the Major Project work entitled "Design and fabrication of portable de-husking machine for millets by using solar energy" carried out by VISHNU TEJA C (1NH17ME125), VISHWAS S (1NH17ME127), CHETAN S K (1NH17ME082), VINAYAK BUDIHAL (1NH17ME123) the bonafide students of New Horizon College of Engineering, Bengaluru, in partial fulfillment for the award of Bachelor of Engineering in Mechanical Engineering 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 Major Project has been approved as it satisfies the academic requirements in respect of Project Work prescribed for the Bachelor of Engineering degree.


Signature of the Guide
Mr. Nagabhushana
Associate Professor
Dept. of Mechanical Engineering


Signature of the HOD
Dr. M S GANESHA PRASAD
Dean, Prof. and HoD-ME
Dept. of Mechanical Engineering


Signature of the Principal
Dr. MANJUNATHA
Principal
NHCE

Names of the student:

Vishnu Teja C
Vishwas S
Chetan S K
Vinayak B

University Seat Number:

1NH17ME125
1NH17ME127
1NH17ME082
1NH17ME123

External Viva

Examiner

1.

2.

Signature with date:

NEW HORIZON COLLEGE OF ENGINEERING


New Horizon Knowledge Park, Ring Road, Marathalli
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DEPARTMENT OF MECHANICAL ENGINEERING

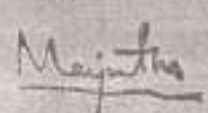


CERTIFICATE

It is certified that the Project work entitled "POWER GENERATION IN MOVING VEHICLES USING WIND TURBINE" carried out by VINAYAK NAIK (1NH17ME124), VISHWASH K (1NH17ME128), VIVEK V KUMAR (1NH17ME129), YESHWANTH S REDDY (1NH17ME133), the bonafide students of New Horizon College of Engineering, Bengaluru, in partial fulfillment for the award of Bachelor of Engineering in Mechanical Engineering 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 has been approved as it satisfies the academic requirements in respect of Project Work prescribed for the Bachelor of Engineering degree.


Signature of the Guide
Prof. MANJESH B C
Assistant Professor
Dept. of Mechanical Engineering


Signature of the HOD
M. S. S. KURSE
Prof. and HOD ME
Dept. of Mechanical Engineering


Signature of the Principal
Dr. MANJUNATHA
Principal
NHCE

Name(s) of the student:

VINAYAK NAIK
VISHWASH K
VIVEK V KUMAR
YESHWANTH S REDDY

University Seat Number:

1NH17ME124
1NH17ME128
1NH17ME129
1NH17ME133

External Viva
Examiner

Signature with date:

- 1.
- 2.

NEW HORIZON COLLEGE OF ENGINEERING


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Accredited by NAAC with 'A' Grade, Accredited by NBA

DEPARTMENT OF MECHANICAL ENGINEERING

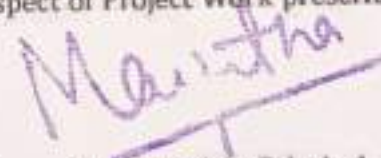


CERTIFICATE

It is certified that the Project work entitled "COMPARATIVE ANALYSIS OF BRAKE DISC MATERIALS" carried out by Shreenivas Reddy (1NH17ME096), Shreyas S (1NH17ME097), Shivraj G (1NH18ME416), Siddalingesh B Hasabi (1NH17ME101), the bonafide students of New Horizon College of Engineering, Bengaluru, in partial fulfillment for the award of Bachelor of Engineering in Mechanical Engineering 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 has been approved as it satisfies the academic requirements in respect of Project Work prescribed for the Bachelor of Engineering degree.


Signature of the Guide
SANTOSH A N
Asst. professor
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
NBCE

Name(s) of the student:

SHREENIVAS REDDY D
SHREYAS S
SHIVRAJ G
SIDDALINGESH B HASABI

University Seat Number:

1NH17ME096
1NH17ME097
1NH18ME416
1NH17ME101

External Viva
Examiner

- 1.
- 2.

Signature with date:

NEW HORIZON COLLEGE OF ENGINEERING


New Horizon Knowledge Park, Ring Road, Marathalli
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DEPARTMENT OF MECHANICAL ENGINEERING

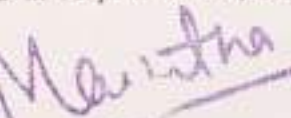


CERTIFICATE

It is certified that the Project work entitled "DESIGN AND FABRICATION OF COST EFFECTIVE AGRICULTURE MACHINE" carried out by **K BHASKAR REDDY (1NH16ME041), R SUJAY (1NH17ME075), SANDEEP M (1NH17ME088), SURDARSHAN REDDY KR (1NH17ME106)**, the bonafide students of New Horizon College of Engineering, Bengaluru, in partial fulfillment for the award of Bachelor of Engineering in Mechanical Engineering 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 has been approved as it satisfies the academic requirements in respect of Project Work prescribed for the **Bachelor of Engineering** degree.


Signature of the Guide
Mr. VEERESH A G
Senior Asst Prof.
Dept. of Mechanical
Engineering.


Signature of the HOD
Dr. SRIDHAR KURSE
Prof. and HOD-ME
Dept. of Mechanical
Engineering.


Signature of the Principal
Dr. MANJUNATHA
Principal
NHCE

Name(s) of the student:

K BHASKAR REDDY
R SUJAY
SANDEEP M
SUDARSHAN REDDY KR

University Seat Number:

1NH16ME041
1NH17ME075
1NH17ME088
1NH17ME106

External Viva

Examiner

1.

Signature with date:

NEW HORIZON COLLEGE OF ENGINEERING

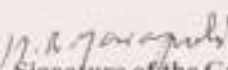
New Horizon Knowledge Park, Ring Road, Marathalli
Autonomous College Permanently Affiliated to VTU, Approved by AICTE & UGC
Accredited by NAAC with 'A' Grade, Accredited by NBA

DEPARTMENT OF MECHANICAL ENGINEERING



CERTIFICATE

It is certified that the Project work entitled "DESIGN AND FABRICATION OF ZIGBEE DEVICE FOR FAULT DETECTION, MONITORING AND CONTROLLING OF INDUCTION MOTOR" carried out by SANJAY RAM JS (1NH17ME090), SANJU S (1NH17ME091), RAVINDRA V (1NH17ME077), SUMAN D (1NH17ME108), the bonafide students of New Horizon College of Engineering, Bengaluru, in partial fulfillment for the award of Bachelor of Engineering in Mechanical Engineering 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 has been approved as it satisfies the academic requirements in respect of Project Work prescribed for the Bachelor of Engineering degree.


Signature of the Guide
Mr. HANAMANT
YARAGUDRI
Senior Asst Professor
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(s) of the student:

SANJAY RAM JS
SANJU S
RAVINDRA V
SUMAN D

University Seat Number:

1NH17ME090
1NH17ME091
1NH17ME077
1NH17ME108

External Viva

Examiner

- 1.
- 2.

Signature with date:

NEW HORIZON COLLEGE OF ENGINEERING

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 and Development of Automobile Brake Failure Alert & Power Cutout System" carried out by HASEEB ULLA KHAN (1NH18ME406), VIKRAM S SINGH (1NH18ME422), SUDARSHAN K R (1NH18ME418), SUKOMAL KUMAR (1NH17ME107), the bonafide students of New Horizon College of Engineering, Bengaluru, in partial fulfillment for the award of Bachelor of Engineering in Mechanical Engineering of the Visvesvaraya Technological University, Belgaum 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 has been approved as it satisfies the academic requirements in respect of Project Work prescribed for the Bachelor of Engineering degree.


Signature of the Guide

Mr. SUDARSHAN T A

Asst. Professor

Dept. of Mechanical Engineering.


Signature of the HOD

Dr. SRIDHAR KURSE

HOD-ME

Dept. of Mechanical Engineering.


Signature of the Principal

Dr. MANJUNATHA

Principal

NHCE.

Name(s) of the student:

HASEEB ULLA KHAN

VIKRAM S SINGH

SUDARSHAN K R

SUKOMAL KUMAR

University Seat Number:

1NH18ME406

1NH18ME422

1NH18ME418

1NH17ME107

External Viva

Examiner

1.

Signature with date:

NEW HORIZON COLLEGE OF ENGINEERING

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DEPARTMENT OF MECHANICAL ENGINEERING



CERTIFICATE

It is certified that the Project work entitled "Segregation of waste using robotics" carried out by Yaksha V (1NH17ME132), Srikanth K (1NH17ME102), Suhas S (1NH17ME084), Rakesh (1NH17ME076), the bonafide students of New Horizon College of Engineering, Bengaluru, in partial fulfillment for the award of Bachelor of Engineering in Mechanical Engineering 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 has been approved as it satisfies the academic requirements in respect of Project Work prescribed for the Bachelor of Engineering degree.

Rajesh A.
Signature of the Guide
Mr. Rajesh A
Asst. Prof. -ME
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(s) of the student:

Yaksha V
Srikanth K
Suhas S
Rakesh

University Seat Number:

1NH17ME132
1NH17ME102
1NH17ME084
1NH17ME076

External Viva

Examiner

1.

2.

Signature with date:

NEW HORIZON COLLEGE OF ENGINEERING

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DEPARTMENT OF MECHANICAL ENGINEERING



CERTIFICATE

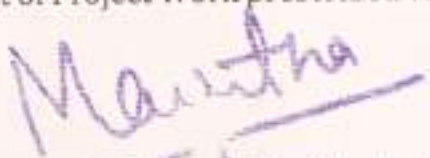
It is certified that the Project work entitled "Study and development of edible plates for domestic use" carried out by Venkatesh A(1NH17ME118), Shubham devanand(1NH17ME099), Sandesh M S(1NH17ME089), Shaikh Abdul Alam(1NH17ME094), the above students of New Horizon College of Engineering, Bengaluru, in partial fulfillment for the award of Bachelor of Engineering in Mechanical Engineering 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 has been approved as it satisfies the academic requirements in respect of Project Work prescribed for the Bachelor of Engineering degree.


Signature of the Guide

Dr. BOPANNA K D
Asst. prof, Mechanical 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(s) of the student:

VENKATESH A
SHUBHAM DEVANAND
SANDESH M S
SHAIKH ABDUL ALAM

University Seat Number:

1NH17ME118
1NH17ME099
1NH17ME089
1NH17ME094

External Viva

Examiner

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2.

Signature with date:

NEW HORIZON COLLEGE OF ENGINEERING

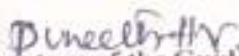
New Horizon Knowledge Park, Ring Road, Marathalli
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DEPARTMENT OF MECHANICAL ENGINEERING

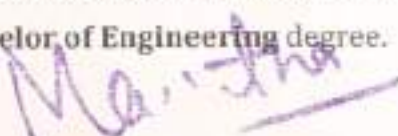


CERTIFICATE

It is certified that the Project work entitled "DESIGN AND FABRICATION OF HYBRID DRIFT TRIKE" carried out by A.ROSHAN PRUTHVISH (1NH17ME001), V.ROHITH (1NH17ME116), P.PRASANTH NARAYANA (1NH17ME067), T.SHANMUKHA (1NH16ME119), the bonafide students of New Horizon College of Engineering, Bengaluru, in partial fulfillment for the award of Bachelor of Engineering in Mechanical Engineering 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 has been approved as it satisfies the academic requirements in respect of Project Work prescribed for the Bachelor of Engineering degree.


Signature of the Guide
Prof. Puneeth H.V.
Asst. Prof. - ME
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(s) of the student:

A.ROSHAN PRUTHVISH
V.ROHITH
P.PRASANTH NARAYANA
T.SHANMUKHA

University Seat Number:

1NH17ME001
1NH17ME116
1NH17ME067
1NH16ME119

External Viva

Examiner

- 1.
- 2.

Signature with date:

NEW HORIZON COLLEGE OF ENGINEERING

New Horizon Knowledge Park, Ring Road, Marathalli
Autonomous College Permanently Affiliated to VTU, Approved by AICTE & UGC
Accredited by NAAC with 'A' Grade, Accredited by NSA


DEPARTMENT OF MECHANICAL ENGINEERING

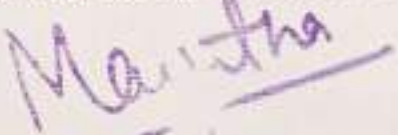


CERTIFICATE

It is certified that the Project work entitled "Kitchen Waste Water Harvesting" carried out by Mr. Vishnu V (1NH17ME126), Mr. Darshan AL (1NH18ME403), Mr. Ritik Kumar Singh (1NH17ME080), Mr. Kishlay Kumar (1NH17ME043), the bonafide students of New Horizon College of Engineering, Bengaluru, in partial fulfillment for the award of Bachelor of Engineering in Mechanical Engineering 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 has been approved as it satisfies the academic requirements in respect of Project Work prescribed for the Bachelor of Engineering degree.


Signature of the Guide
Prof. MEGHA SHUKLA
Professor
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(s) of the student:

Mr. Vishnu V
Mr. Darshan AL
Mr. Ritik Kumar Singh
Mr. Kishlay Kumar

University Seat Number:

1NH17ME126
1NH18ME403
1NH17ME080
1NH17ME043

External Viva

Examiner

- 1.
- 2.

Signature with date:

NEW HORIZON COLLEGE OF ENGINEERING

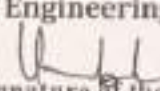
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Accredited by NAAC with 'A' Grade. Accredited by NBA

DEPARTMENT OF MECHANICAL ENGINEERING




CERTIFICATE

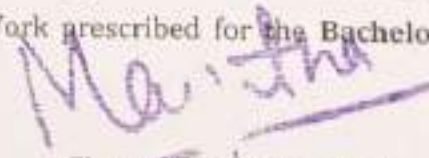
It is certified that the Project work entitled "Developing an Assistant to Automate Homes and offices using Deep Learning-based Human and Facemask Detection Model in an IoT Environment" carried out by Murali Krishnan MP (1NH17ME056), Nikhil R (1NH17ME064), Francis J Kalliath (1NH17ME717), Aatish Basavaraj Mundasad (1NH17ME700), the bonafide students of New Horizon College of Engineering, Bengaluru, in partial fulfillment for the award of Bachelor of Engineering in Mechanical Engineering 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 has been approved as it satisfies the academic requirements in respect of Project Work prescribed for the Bachelor of Engineering degree.


Signature of the Guide
Mr. Vinayak Balehittal

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(s) of the student:

Murali Krishnan MP

Nikhil R

Francis J Kalliath

Aatish Basavaraj Mundasad
Examiner

- 1.
- 2.

University Seat Number:

1NH17ME056

1NH17ME064

1NH17ME717

1NH17ME700

Signature with date:

NEW HORIZON COLLEGE OF ENGINEERING

New Horizon Knowledge Park, Ring Road, Marathalli
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Accredited by NAAC with 'A' Grade, Accredited by NBA


DEPARTMENT OF MECHANICAL ENGINEERING

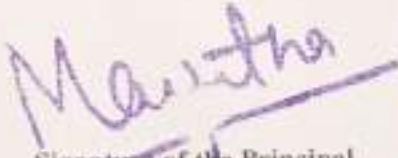


CERTIFICATE

It is certified that the Project work entitled " Design and fabrication of an electric café racer" carried out by Abhijith Balamurali(1NH17ME701),Haseeb Fayaz Khan(1NH17ME721),Ashish Jose Varghese(1NH17ME713),Amit Kishor Vernekar(1NH17ME711),the bonafide students of New Horizon College of Engineering, Bengaluru, in partial fulfillment for the award of Bachelor of Engineering in Mechanical Engineering 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 has been approved as it satisfies the academic requirements in respect of Project Work prescribed for the Bachelor of Engineering degree.


Signature of the Guide
Mr. Vinod Kumar GS
Assistant Professor
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(s) of the student:

Abhijith Balamurali
Haseeb Fayaz Khan
Ashish Jose Varghese
Amit K Vernekar

University Seat Number:

1NH17ME701
1NH17ME721
1NH17ME713
1NH17ME711

External Viva

Examiner

- 1.
- 2.

Signature with date:

NEW HORIZON COLLEGE OF ENGINEERING


New Horizon Knowledge Park, Ring Road, Marathalli
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 "PERFORMANCE ANALYSIS OF SPRAY PATTERN USING ULTRASONIC TRANSESTERIFIED PONGAMIA OIL" carried out by PH Arvind Sharma (1NH14ME720), Ameet Gururaj Nanavate (1NH17ME710), Akash Hegde (1NH17ME705), Prashanth J (1NH17ME736), the bonafide students of New Horizon College of Engineering, Bengaluru, in partial fulfillment for the award of Bachelor of Engineering in Mechanical Engineering 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 has been approved as it satisfies the academic requirements in respect of Project Work prescribed for the Bachelor of Engineering degree.


Signature of the Guide

Mr. Ravi Kumar M
Senior Asst. Professor
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(s) of the student:

PH Arvind Sharma
Ameet Gururaj Nanavate
Akash Hegde
Prashanth J

University Seat Number:

1NH14ME720
1NH17ME710
1NH17ME705
1NH17ME736

External Viva

Examiner

- 1.
- 2.

Signature with date:

NEW HORIZON COLLEGE OF ENGINEERING

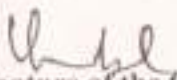
New Horizon Knowledge Park, Ring Road, Marathalli
Autonomous College Permanently Affiliated to VTU, Approved by AICTE & UGC
Accredited by NAAC with 'A' Grade, Accredited by NBA

DEPARTMENT OF MECHANICAL ENGINEERING

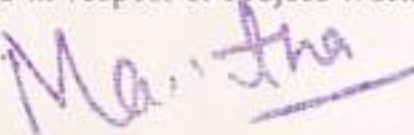


CERTIFICATE

It is certified that the Major Project work entitled "Development of a Home Security Robot with Facial Recognition using Deep Learning and IoT" carried out by SHARAD D PARATE (1NH17ME745), NEHAL ANDANI (1NH17ME731), SHRAVAN ARULJOTHI (1NH17ME747), HARSHIT SHIVAKUMAR (1NH17ME720) the bonafide students of New Horizon College of Engineering, Bengaluru, in partial fulfillment for the award of Bachelor of Engineering in Mechanical Engineering 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 Major Project has been approved as it satisfies the academic requirements in respect of Project Work prescribed for the Bachelor of Engineering degree.


Signature of the Guide
Mr. VINAYAK BALEHITTAL
Assistant Professor
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(s) of the student:

Sharad.D.Parate
Nehal Andani
Shravan Aruljothi
Harshit Shivakumar

University Seat Number:

1NH17ME745
1NH17ME731
1NH17ME747
1NH17ME720

External Viva

Examiner

- 1.
- 2.

Signature with date:

NEW HORIZON COLLEGE OF ENGINEERING


New Horizon Knowledge Park, Ring Road, Marathalli
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 and development of smart Irrigation system using IoT" carried out by VINAY KUMAR K(1NH17ME759), ABHISHEK NAYAKA M (1NH17ME703), AKSHAY G ARAMOTI (1NH17ME707), V JAYA KRISHNA (1NH17ME757), the bonafide students of New Horizon College of Engineering, Bengaluru, in partial fulfillment for the award of Bachelor of Engineering in Mechanical Engineering 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 has been approved as it satisfies the academic requirements in respect of Project Work prescribed for the Bachelor of Engineering degree.


Signature of the Guide
Mr. S. JEETH SWAMI
Asst prof., Dept. of ME
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(s) of the student:

Vinay kumar K
Abhishek Nayaka M
Akshay G Aramoti
V Jaya Krishna

University Seat Number:

1NH17ME759
1NH17ME703
1NH17ME707
1NH17ME757

External Viva

Examiner

- 1.
- 2.

Signature with date:

NEW HORIZON COLLEGE OF ENGINEERING

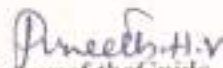
New Horizon Knowledge Park, Ring Road, Marathalli
Autonomous College Permanently Affiliated to VTU, Approved by AICTE & UGC
Accredited by NAAC with 'A' Grade, Accredited by NBA

DEPARTMENT OF MECHANICAL ENGINEERING




CERTIFICATE

It is certified that the Project work entitled "Automatic speed breaker warning system" carried out by ALEX BABEN (1NH17ME709), SANAL SANKARANKUTTY (1NH17ME734), MOHAMED ASHIQUE (1NH17ME727), ROHAN S NAIR (1NH17ME741), the bonafide students of New Horizon College of Engineering, Bengaluru, in partial fulfillment for the award of Bachelor of Engineering in Mechanical Engineering 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 has been approved as it satisfies the academic requirements in respect of Project Work prescribed for the Bachelor of Engineering degree.


Signature of the Guide
Mr. Puneeth H V
Assistant Professor
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(s) of the student:

Alex Baben
Sanal Sankarankutty
Mohamed Ashique
Rohan S Nair

University Seat Number:

1NH17ME709
1NH17ME734
1NH17ME727
1NH17ME741

External Viva

Examiner

- 1.
- 2.

Signature with date:

NEW HORIZON COLLEGE OF ENGINEERING


New Horizon Knowledge Park, Ring Road, Marathalli
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DEPARTMENT OF MECHANICAL ENGINEERING



CERTIFICATE

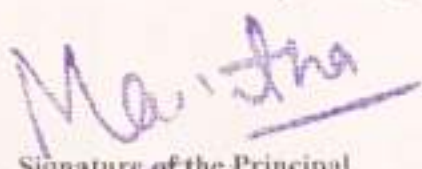
It is certified that the Project work entitled "DESIGN AND ANALYSIS OF A MONO WHEEL ELECTRIC VEHICLE" carried out by Akash V (1NH18ME423), Hari Charan HM (1NH18ME428), Vasanth Kumar S (1NH18ME432), the Bonafide students of New Horizon College of Engineering, Bengaluru, in partial fulfillment for the award of Bachelor of Engineering in Mechanical Engineering 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 has been approved as it satisfies the academic requirements in respect of Project Work prescribed for the Bachelor of Engineering degree.


Signature of the Guide
Dr. Ashok Kumar
Prof Dept. of ME, NHCE

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(s) of the student:

Akash V
Hari Charan HM
Vasanth Kumar S

University Seat Number:

1NH18ME423
1NH18ME428
1NH18ME432

External Viva

Examiner

- 1.
- 2.

Signature with date:

NEW HORIZON COLLEGE OF ENGINEERING

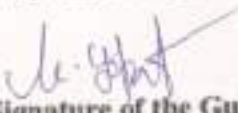
New Horizon Knowledge Park, Ring Road, Marathalli
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Accredited by NAAC with 'A' Grade, Accredited by NSA

DEPARTMENT OF MECHANICAL ENGINEERING

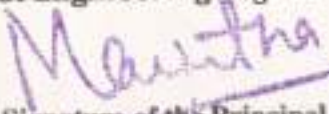


CERTIFICATE

It is certified that the Project work entitled "Design and Fabrication of Remote Controlled Nursing Vehicle" carried out by Choudhury Rajat Kumar Pattnaik (1NH17ME715), Aditya Dubey (1NH17ME704), Akash Kumar Nath (1NH17ME706), Tarun Kumar Sharma (1NH17ME111), the bonafide students of New Horizon College of Engineering, Bengaluru, in partial fulfillment for the award of Bachelor of Engineering in Mechanical Engineering 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 has been approved as it satisfies the academic requirements in respect of Project Work prescribed for the Bachelor of Engineering degree.


Signature of the Guide
Dr. K. Gopal
Asso. Prof.
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(s) of the student:

Choudhury Rajat Kumar
Pattnaik
Aditya Dubey
Akash Kumar Nath
Tarun Kumar Sharma

University Seat Number:

1NH17ME715
1NH17ME704
1NH17ME706
1NH17ME111

External Viva

Examiner

- 1.
- 2.

Signature with date:

NEW HORIZON COLLEGE OF ENGINEERING


New Horizon Knowledge Park, Ring Road, Marathalli
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 OF ROCKER BOGIE MECHANISM BY FABRICATION OF THE ROUGH TERRAIN VEHICLE USING THE CONCEPT OF SUSPENSION SYSTEM IN THE BOGIE MECHANISM" carried out by GASTEL THOMAS B U (1NH17ME718), GITESH KRISHNA (1NH17ME719), L ANOOSH (1NH17ME725), SHREYAS J (1NH17ME748), the bonafide students of New Horizon College of Engineering, Bengaluru, in partial fulfillment for the award of Bachelor of Engineering in Mechanical Engineering 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 has been approved as it satisfies the academic requirements in respect of Project Work prescribed for the Bachelor of Engineering degree.


Signature of the Guide
Dr. K Gopalakrishnan
Dean (R&D)
NHCE


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


Signature of the Principal
Dr. MANJUNATHA
Principal
NHCE

Name(s) of the student:

GASTEL THOMAS B U
GITESH KRISHNA
L ANOOSH
SHREYAS J

University Seat Number:

1NH17ME718
1NH17ME719
1NH17ME725
1NH17ME748

External Viva

Examiner

- 1.
- 2.

Signature with date:

NEW HORIZON COLLEGE OF ENGINEERING

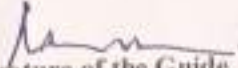
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DEPARTMENT OF MECHANICAL ENGINEERING

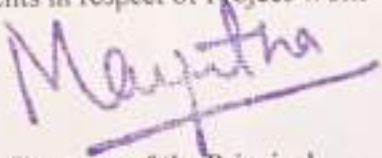


CERTIFICATE

It is certified that the Project work entitled "Finite volume analysis on drone propeller blades" carried out by Mohammed Faheem(1NH17ME729), P. Harsha (1NH17ME732), Keerthan ST (1NH17ME724), Ram Mohan (1NH17ME740), the bonafide students of New Horizon College of Engineering, Bengaluru, in partial fulfillment for the award of Bachelor of Engineering in Mechanical Engineering 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 has been approved as it satisfies the academic requirements in respect of Project Work prescribed for the Bachelor of Engineering degree.


Signature of the Guide
Prof. Megha Shulda
Asso. Prof.
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(s) of the student:

Mohammed Faheem
P. Harsha
Keerthan ST
Ram Mohan

University Seat Number:

1NH17ME729
1NH17ME732
1NH17ME724
1NH17ME740

External Viva

Examiner

- 1.
- 2.

Signature with date:

NEW HORIZON COLLEGE OF ENGINEERING

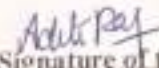
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DEPARTMENT OF MECHANICAL ENGINEERING

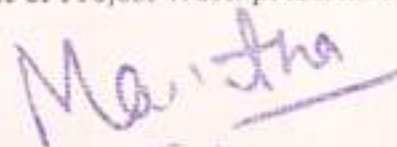


CERTIFICATE

It is certified that the Project work entitled "Health Tracking System Of COVID Patients using IoT" carried out by Shubham R M (1NH17ME750), Akhilesh Shetkar (1NH17ME746), Vinod S Teli (1NH18ME433), Karthik N C (1NH18ME429), the bonafide students of New Horizon College of Engineering, Bengaluru, in partial fulfillment for the award of Bachelor of Engineering in Mechanical Engineering 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 has been approved as it satisfies the academic requirements in respect of Project Work prescribed for the Bachelor of Engineering degree.


Signature of the Guide
Dr. Aditi Raj
Sr. Asst. Professor
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(s) of the student:

SHUBHAM R MALLADAD
AKHILESH SHETKAR
VINOD S TELI
KARTHIK N C

University Seat Number:

1NH17ME750
1NH17ME746
1NH18ME433
1NH18ME429

External Viva

Examiner

- 1.
- 2.

Signature with date:

NEW HORIZON COLLEGE OF ENGINEERING

New Horizon Knowledge Park, Ring Road, Marathalli
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DEPARTMENT OF MECHANICAL ENGINEERING



CERTIFICATE

It is certified that the Project work entitled "Design of automatic bike stand slider" carried out by **ManojNaik.M (1NH17ME726), Shreyas.V (1NH17ME749), Sudhakar.N (1NH17ME752), V.Bhargav (1NH17ME756)**, the bonafide students of **New Horizon College of Engineering ,Bengaluru**, in partial fulfillment for the award of **Bachelor of Engineering in Mechanical Engineering** 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 has been approved as it satisfies the academic requirements in respect of Project Work prescribed for the **Bachelor of Engineering** degree.

Signature of the Guide

Mr.Sudarshan T A
Asst. Prof.
Dept.of Mechanical Engineering

Signature of the HOD

Dr.SHRIHAR KURSE
Prof. and HoD-ME
Dept.of Mechanical Engineering

Signature of the Principal

Dr.MANJUNATHA
Principal
NHCE

Name(s) of the student:

University Seat Number:

Manoj Naik.M

1NH17ME726

Shreyas.V

1NH17ME749

Sudhakar N

1NH17ME752

V. Bhargav

1NH17ME756

External Viva Examiner

Signature with date:

- 1.
- 2.

NEW HORIZON COLLEGE OF ENGINEERING

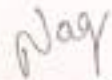
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DEPARTMENT OF MECHANICAL ENGINEERING



CERTIFICATE


It is certified that the Project work entitled "Analysis of Topology Optimization in Load Carrying Element" carried out by SATISH KUMAR P (1NH17ME744), P MAGESH KUMAR (1NH17ME733), PRITHVI RAJ (1NH17ME737), BADAGALA SRIKAR (1NH17ME751), the bonafide students of New Horizon College of Engineering, Bengaluru, in partial fulfillment for the award of Bachelor of Engineering in Mechanical Engineering 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 has been approved as it satisfies the academic requirements in respect of Project Work prescribed for the Bachelor of Engineering degree.


Signature of the Guide

Dr. Nagendra J
Associate Professor
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(s) of the student:

SATISH KUMAR P
P MAGESH KUMAR
PRITHVI RAJ
BADAGALA SRIKAR

University Seat Number:

1NH17ME744
1NH17ME733
1NH17ME737
1NH17ME751

External Viva

Examiner

1.

2.

Signature with date:

NEW HORIZON COLLEGE OF ENGINEERING

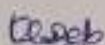
New Horizon Knowledge Park, Ring Road, Marathalli
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DEPARTMENT OF MECHANICAL ENGINEERING

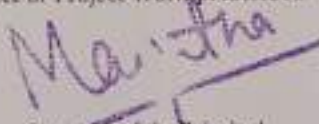


CERTIFICATE

It is certified that the Project work entitled "NUTRIENTS ANALYSIS OF AGRICULTURE PRODUCTS USING FORCED CONVECTION SOLAR DRYER" carried out by AKSHAY KUMAR U (1NH17ME708), CHETHAN J (1NH17ME714), DHANUSH VIRAJ M (1NH17ME716), VENU GOPAL D (1NH17ME758), the bonafide students of New Horizon College of Engineering, Bengaluru, in partial fulfillment for the award of Bachelor of Engineering in Mechanical Engineering 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 has been approved as it satisfies the academic requirements in respect of Project Work prescribed for the Bachelor of Engineering degree.


Signature of the Guide
KAMALASHREE DEB
Prof. ME
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(s) of the student:

AKSHAY KUMAR U
CHETHAN J
DHANUSH VIRAJ M
VENU GOPAL D

University Seat Number:

1NH17ME708
1NH17ME714
1NH17ME716
1NH17ME758

External Viva

Examiner

- 1.
- 2.

Signature with date:

NEW HORIZON COLLEGE OF ENGINEERING


New Horizon Knowledge Park, Ring Road, Marathalli
Autonomous College Permanently Affiliated to VTU, Approved by AICTE & UGC
Accredited by NAAC with 'A' Grade, Accredited by NBA

DEPARTMENT OF MECHANICAL ENGINEERING




CERTIFICATE

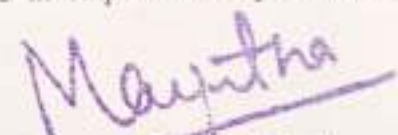
It is certified that the Project work entitled "Preparation And Evaluation Of Mechanical Properties Of Heat Treated & Non Heat Treated Cu-Ni-Zn Alloys." carried out by AVINASH T (1NH18ME426), ANJAPPA N M(1NH18ME425), SACHIN KUMAR (1NH17ME743), CHETHAN T (1NH17ME411), the bonafide students of New Horizon College of Engineering, Bengaluru. in partial fulfillment for the award of Bachelor of Engineering in Mechanical Engineering 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 has been approved as it satisfies the academic requirements in respect of Project Work prescribed for the Bachelor of Engineering degree.


Signature of the Guide

Mr. KARTHIK S. N
Asst. Professor, Dept. of ME,
NHCE
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(s) of the student:

AVINASH .T
ANJAPPA .N M
SACHIN KUMAR
CHETHAN .T

University Seat Number:

1NH18ME426
1NH18ME425
1NH17ME743
1NH17ME411

External Viva

Examiner

- 1.
- 2.

Signature with date: