



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 AUTOMOBILE ENGINEERING

VIII SEMESTER PROJECT WORK 20AUT84A (EVEN SEM 2021-2022)

Sl.No	USN	Name of the Student	Batch	Tentative Project Title	Guide Name
1	1NH18AU041	Prem Kumar	1	Fabrication of Hybrid two wheeler	Mr. Jayasheel Kumar
2	1NH18AU044	Rishab M			
3	1NH18AU018	Giridhar Venkatesh			
4	1NH18AU010	Chandan Reddy			
5	1NH18AU051	Shivam Sharma	2	Crash analysis of car model using Hypermesh and RADIOSS	Dr.Sujin sir
6	1NH18AU055	Sonnu Kumar Thakur B			
7	1NH18AU057	Rahul Chowdary Sureddi			
8	1NH18AU062	Vinyas S			
9	1NH18AU049	Saurav R	3	Design and Analysis of Hybrid two wheeler	Mr. Jayasheel Kumar
10	1NH18AU056	Suhail PP			
11	1NH18AU043	Rahul P M			
12	1NH18AU003	ABISHEK SUBASH			
13	1NH18AU033	Md.Matheen Aquib	4	Fabrication of foldable electric scooter	Karthik A V
14	1NH19AU402	Sharan.d.kalla			
15	1NH18AU022	JAIMON JOSEPH			
16	1NH18AU016	G.S.Madhumitha			
17	1NH18AU014	Dhanush SK	5	Development of Low Cost Kers	Ms.Smitha B S
18	1NH18AU024	Krishna Rajaramalingam			
19	1NH18AU027	Mandeep singh			
20	1NH18AU032	Mayur Sachit			

21	1NH18AU006	Akhilesh kadubur	6	PERFORMANCE & EMISSIONS ATTRIBUTES OF BIO DIESEL USED COOKING OIL UNDER VARYING ENGINE LOAD CONDITIONS AND EGR	MR KARTHIK A V
22	1NH18AU042	Raghavendra e			
23	1NH18AU046	S Sriram			
24	1NH19AU400	M s suraj			
25	1NH18AU058	Tatvik Mahesha S N	7	Electric bicycle	Sunil Prashanth K
26	1NH18AU017	Gaurav Sashikumar			
27	1NH18AU054	Shwetha Rai			
28	1NH18AU047	Sabreesh S			
29	1NH18AU013	Denzil Rhodes	8	Speed control of electric vehicle	Dr. Sujin jose
30	1NH18AU035	Nethra Harikumar			
31	1NH18AU008	B. A Mukkul anand			
32	1NH18AU034	Pavan kumar reddy			
33	1NH18AU005	Akhil Chowdary	9	simulation and mathematical modelling of vehicle suspension system.	Mohan Kumar
34	1NH18AU004	Aditya Rajawat			
35	1NH18AU023	K madhu babu			
36	1NH18AU011	Chethan S R	10	Fabrication of Solar Powered Multipurpose Agriculture Vehicle	Sunil Prashanth Kumar S
37	1NH17AU057	Sunil S			
38	1NH19AU401	Nikhil Chandra R			
39	1NH17AU017	Jenith Varma			
40	1NH17AU004	Akil Ayub Mir	11	CDF analysis	Dr. Sujin Jose
41	1NH19AU404	Syed Salman			
42	1NH17AU049	Shoaib Akhtar Kasma			
43	1NH18AU030	Mansoor aktar ali	12	PREPATION OF ALUMINIUM SILICON CARBIDE	MOHAN SIR
44	1NH18AU050	sauvik mandal			
45	1NH18AU060	VENKATESH			

46	1NH18AU026	M HEMANTH	13	PREPARATION OF ALUMINIUM 7075	MOHAN SIR
47	1NH18AU048	SANKET HIRESDESAI			
48	1NH18AU001	ARJUNE			
49	1NH18AU025	LOHITH GOWDA N	14	POWER GENERATION USING THERMO ELECTRIC GENERATOR BY HEAT WASTE ENERGY IN I C ENGINE	Ms.Smitha B S
50	1NH18AU028	MANOJ G REDDY			
51	1NH18AU019	JYOSHNA G V			
52	1NH18AU063	VIVIN DANIEL			
53	1NH18AU061	VIKAS.M	15	FABRICATION OF ELECTRIC GO-KART	JAYASHEEL KUMAR
54	1NH18AU038	MOHITH P			
55	1NH19AU403	SIRAJ REDDY C			
56	1NH18AU040	SUMANTH P	16	DESIGN AND ANALYSIS OF ELECTRIC GO-KART	Mr. SUNIL PRASHANTH
57	1NH18AU039	PRANAV CHAITANYA			
58	1NH18AU059	VEDANTH S M			
59	1NH18AU007	ANKIT KUMAR NAYAK	17	FABRICATION OF AUTOMATIC TYRE INFLATION	Dr.Sujin Jose
60	1NH18AU036	NITHIN R			
61	1NH18AU037	P HEMANTH REDDY			
62	1NHA18AU009	BOJJA SAI NITHIN			

Aub
Project Co-Ordinator

[Signature]
HOD-AU
Department of Applied Sciences
K. J. Somaiya Institute of Engineering & Information Technology
Paly Road, Borivli East, Mumbai - 400 075



NEW HORIZON COLLEGE OF ENGINEERING

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“DESIGN & FABRICATION OF HYBRID TWO-WHEELER”



PROJECT WORK - [20AUT84A]

Submitted by

CHANDAN REDDY	(1NH18AU010)
GIRIDHAR VENKATESH	(1NH18AU018)
PREM KUMAR NJ	(1NH18AU041)
RISHAB M	(1NH18AU044)

In partial fulfilment for the award of the degree of

BACHELOR OF ENGINEERING

IN

AUTOMOBILE ENGINEERING

Under The Guidance of

Prof. Jayasheel Kumar

Senior Assistant Professor

Department of Automobile Engineering, NHCE

July, 2022



NEW HORIZON COLLEGE OF ENGINEERING

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

DEPARTMENT OF AUTOMOBILE ENGINEERING

CERTIFICATE

On

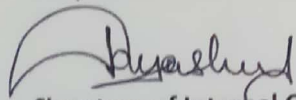
"DESIGN & FABRICATION OF HYBRID TWO-WHEELER"

Is a bonafide work carried out by

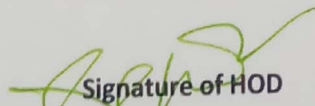
CHANDAN REDDY	(1NH18AU010)
GIRIDHAR VENKATESH	(1NH18AU018)
PREM KUMAR	(1NH18AU041)
RISHAB M	(1NH18AU044)

In partial fulfilment for the award of degree of Bachelor of Engineering in Automobile Engineering of the Visvesvaraya Technological university, Belgaum during Even Semester, 2021-22. It is certified that all corrections/ suggestions indicated for internal assessment has been incorporated in the report deposited in the department library.

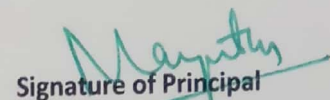
The project report has been approved as it satisfies the academic requirements in respect of Project Work prescribed for the said Degree.


Signature of Internal Guide

Prof. Jayasheel Kumar


Signature of HOD

Dr. Shivdhar Kurse
Department of Automobile Engineering
New Horizon College of Engineering
Ring Road, Belgaum Post, Near Bellandur, Belgaum - 590 103


Signature of Principal

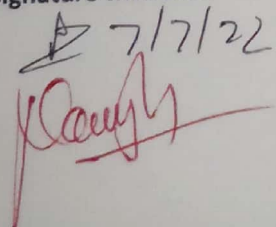
Dr. Manjunatha

External Viva

Name of the Examiners

1. Kaathir. DV
2. Naresh. KS

Signature with Date


7/7/22

DECLARATION

We Chandan Reddy, Giridhar Venkatesh, Prem kumar, Rishab M students of 8th semester B.E Automobile Engineering, New Horizon College of Engineering, Bengaluru, hereby declare that the dissertation entitled "**Design and Fabrication of Hybrid Two Wheeler**" has been carried out by my group and submitted in partial fulfilment of the requirement of the award of B.E in Automobile Engineering by New Horizon College of Engineering, Bengaluru during the academic year 2021-2022. Further the matter embodied in the dissertation has not been submitted previously by anybody for the award of any Degree or Diploma to any other University.

Place: BENGALURU

Date: 07/07/2022

Signature

CHANDAN REDDY (1NH18AU010)

GIRIDHAR VENKATESH (1NH18AU018)

PREM KUMAR (1NH18AU041)

RISHAB M (1NH18AU044)



The image shows four handwritten signatures in blue ink, stacked vertically. The second signature from the top is clearly legible and reads "GIRIDHAR".

MATERIAL CHARACTERIZATION OF AUTOMOTIVE MONOCOQUE



PROJECT WORK [20AUT84A]

Submitted by

SHIVAM SHARMA (1NH18AU051)

SONNU KUMAR THAKUR B (1NH18AU055)

SUREDDI RAHUL CHOWDARY (1NH18AU057)

VINYAS S (1NH18AU062)

In partial fulfilment for the award of the degree of

BACHELOR OF ENGINEERING

IN

AUTOMOBILE ENGINEERING

Under The Guidance of

Dr. SUJIN JOSE ARUL

Associate Professor

Department of Automobile Engineering, NHCE

JULY, 2022

CERTIFICATE

This is to certify that the Project Work [20AUT84A]

On

**“MATERIAL CHARACTERIZATION OF AUTOMOTIVE
MONOCOQUE”**

Is a bonafide work carried out by

Shivam Sharma [1NH18AU051]

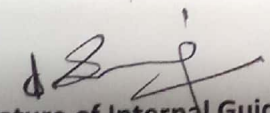
Sonnu Kumar Thakur B [1NH18AU055]

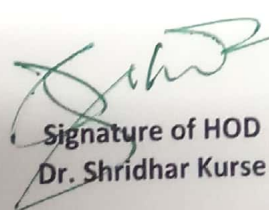
Sureddi Rahul Chowdary [1NH18AU057]

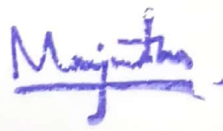
Vinyas S [1NH18AU062]

In partial fulfilment for the award of degree of Bachelor of Engineering in Automobile Engineering of the Visvesvaraya Technological university, Belgaum during Even Semester, 2021-22. It is 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 said Degree.


Signature of Internal Guide
Dr. Sujin Jose Arul


Signature of HOD
Dr. Shridhar Kurse


Signature of Principal
Dr. Manjunatha

External Viva
Name of the Examiner

1. *Karthi. N V*
2. *Chandan K. R*

Signature of the Examiner with Date

A 8/7/22
E 8/7/22

DECLARATION

We [Shivam Sharma], [Sonnu Kumar Thakur B], [Sureddi Rahul Chowdary], [Vinyas S] students of 8th semester B.E Automobile Engineering, New Horizon College of Engineering, Bengaluru, hereby declare that the dissertation entitled "MATERIAL CHARACTERIZATION OF AUTOMOTIVE MONOCOQUE" has been carried out by my group and submitted in partial fulfilment of the requirement of the award of B.E in Automobile Engineering by New Horizon College of Engineering, Bengaluru during the academic year 2021-2022. Further the matter embodied in the dissertation has not been submitted previously by anybody for the award of any Degree or Diploma to any other University.

Place: BENGALURU

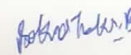
Date: 08/07/22

Signature

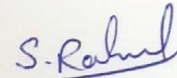
Shivam Sharma [1NH18AU051]



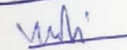
Sonnu Kumar Thakur B [1NH18AU055]



Sureddi Rahul Chowdary [1NH18AU057]



Vinyas S [1NH18AU062]





**NEW HORIZON
COLLEGE OF ENGINEERING**

**Design and Fabrication of Fabrication
of foldable Electric Scooter**



PROJECT WORK [20AUT84A]

Submitted by

Jaimon Joseph (1NH18AU022)

Sharan D Kalla (1NH19AU402)

Gotla Shirrell Madhumitha (1NH18AU016)

Md. Matheen Aquib (1NH18AU033)

In partial fulfilment for the award of the degree of

BACHELOR OF ENGINEERING

IN

AUTOMOBILE ENGINEERING

Under The Guidance of

Mr. Karthik A V

Sr. Asst Professor

Department of Automobile Engineering, NHCE

JULY, 2022



DEPARTMENT OF AUTOMOBILE ENGINEERING

CERTIFICATE

This is to certify that the Project Work [20AUT84A]

On

**“Design and Fabrication of Fabrication
of foldable Electric Scooter”**

Is a bonafide work carried out by

Jaimon Joseph (1NH18AU022)

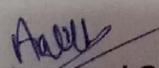
Sharan D Kalla (1NH19AU402)

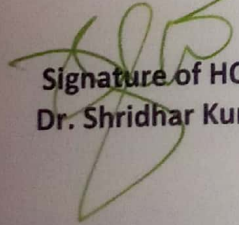
Gotla Shirrell Madhumitha (1NH18AU016)

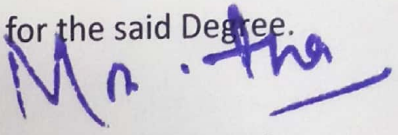
Md. Matheen Aquib (1NH18AU033)

In partial fulfilment for the award of degree of Bachelor of Engineering in Automobile Engineering of the Visvesvaraya Technological university, Belgaum during Even Semester, 2021-22. It is certified that all corrections/suggestions indicated for internal assessment has been incorporated in the report deposited in the department library.

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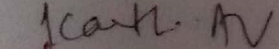
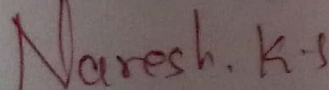

Signature of Internal Guide
Mr. Karthik AV


Signature of HOD
Dr. Shridhar Kurse

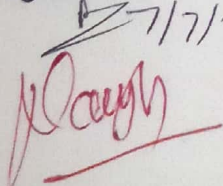

Signature of Principal
Dr. Manjunatha

External Viva

Name of the Examiners

1. 
2. 

Signature with Date


7/7/22

DECLARATION

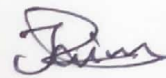
We Jaimon Joseph, Sharan D Kalla , Gotla Shirrell Madhumitha , Md Matheen Aquib students of 8thsemester B.E Automobile Engineering, New Horizon College of Engineering, Bengaluru, hereby declare that the dissertation entitled "Design and Fabrication of Foldable Electric Scooter" has been carried out by my group and submitted in partial fulfillment of the requirement of the award of B.E in Automobile Engineering by New Horizon College of Engineering, Bengaluru during the academic year 2021-2022. Further the matter embodied in the dissertation has not been submitted previously by anybody for the award of any Degree or Diploma to any other University.

Place : BENGALURU

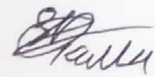
Date : 07/07/2022

Signature

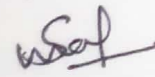
Jaimon Joseph (1NH18AU022)



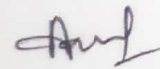
Sharan D Kalla (1NH19AU402)



Gotla Shirrell Madhumitha (1NH18AU016)



Md. Matheen Aquib (1NH18AU033)





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“Simulation & Analysis of Hybrid Two-Wheeler”



PROJECT WORK - [20AUT84A]

Submitted by

ABISHEK SUBASH PILLAI	(1NH18AU003)
RAHUL P M	(1NH18AU043)
SAURAV R	(1NH18AU049)
SUHAIL P P	(1NH18AU056)

In partial fulfilment for the award of the degree of

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July, 2022



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DEPARTMENT OF AUTOMOBILE ENGINEERING CERTIFICATE

On

“Simulation & Analysis of Hybrid Two-Wheeler”

Is a bonafide work carried out by

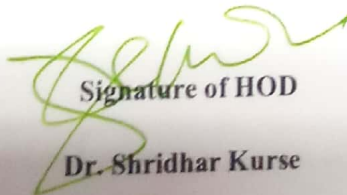
ABISHEK SUBASH PILLAI (1NH18AU003)
RAHUL P M (1NH18AU043)
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SUHAIL P P (1NH18AU056)

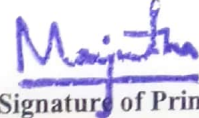
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Signature of Internal Guide

Prof. Jayasheel Kumar


Signature of HOD
Dr. Shridhar Kurse


Signature of Principal

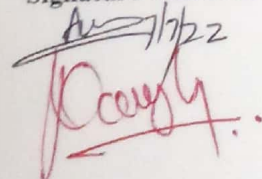
Dr. Manjunatha

External Viva

Name of the Examiners

1. Karthik. A V
2. Naresh. ks.

Signature with Date


20/7/22

DECLARATION

We Abishek Subash P, Saurav R, Rahul P M and Suhail P P students of 8th semester B.E Automobile Engineering, New Horizon College of Engineering, Bengaluru, hereby declare that the dissertation entitled "Simulation & Analysis of Hybrid Two-Wheeler" has been carried out by my group and submitted in partial fulfilment of the requirement of the award of B.E in Automobile Engineering by New Horizon College of Engineering, Bengaluru during the academic year 2021-2022. Further the matter embodied in the dissertation has not been submitted previously by anybody for the award of any Degree or Diploma to any other University.

Place: BENGALURU

Date: 07/07/2022

Signature

ABISHEK SUBASH P (1NH18AU003)

SAURAV R (1NH18AU049)

RAHUL P M (1NH18AU043)

SUHAIL P P (1NH18AU056)





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“DESIGN AND FABRICATION OF FRICTIONLESS BRAKING SYSTEM”



PROJECT WORK [20AUT84A]

Submitted by

DHANUSH SK (1NH18AU014)

KRISHNA RAJAN RAMALINGAM (1NH18AU024)

MAYUR SACHIT (1NH18AU032)

MANDEEP SINGH (1NH18AU027)

In partial fulfillment for the award of the degree of

BACHELOR OF ENGINEERING

IN AUTOMOBILE ENGINEERING

Under The Guidance of

Mrs. Smitha B.S

Assistant Professor

Department of Automobile Engineering, NHCE

JULY, 2022



NEW HORIZON COLLEGE OF ENGINEERING

Autonomous College Permanently Affiliated to VTU, Approved by AICTE & UGC
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DEPARTMENT OF AUTOMOBILE ENGINEERING

CERTIFICATE

This is to certify that the Project Work [20AUT84A]

"DESIGN AND FABRICATION OF FRICTIONLESS BRAKING SYSTEM"

Is a bonafide work carried out by:

DHANUSH SK (1NH18AU014)

KRISHNA RAJAN RAMALINGAM (1NH18AU024)

MAYUR SACHIT (1NH18AU032)

MANDEEP SINGH (1NH18AU027)

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Signature of Internal Guide

Mrs. Smitha B S

Signature of HOD

Dr. Shridhar Kurse

Signature of Principal

Dr. Manjunath

External Viva

Name of the Examiners

1. Karthi... A
2. Nayab

Signature with Date

Narash... 12/22

DECLARATION

We Krishna Rajan Ramalingam, Mayur Sachit, Mandeep Singh, Dhanush S K students of 8th semester B.E Automobile Engineering, New Horizon College of Engineering, Bengaluru, hereby declare that the dissertation entitled "DESIGN AND FABRICATION OF FRICTIONLESS BRAKING SYSTEM" has been carried out by the project group and submitted in partial fulfillment of the requirement of the award of B.E in Automobile Engineering by New Horizon College of Engineering, Bengaluru during the academic year 2021-2022. Further the matter embodied in the dissertation has not been submitted previously by anybody for the award of any Degree or Diploma to any other University.

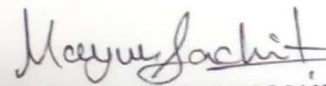
Place : BENGALURU

Date : 07.07.22

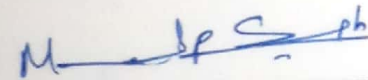
Signature



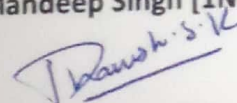
Krishna Rajan Ramalingam [1N18AU024]



Mayur Sachit [1NH18AU032]



Mandeep Singh [1NH18AU027]



Dhanush SK [1NH18AU014]



**PERFORMANCE AND EMISSIONS ATTRIBUTES OF BIO DIESEL
BY USED COOKING OIL WITH USING EGR UNDER VARYING
ENGINE LOAD CONDITIONS**



PROJECT WORK [20AUT84A]

Submitted by

AKHILESH KADUBUR (1NH18AU006)

S SRIRAM (1NH18AU046)

RAGHAVENDRA E (1NH18AU042)

M S SURAJ (1NH19AU400)

In partial fulfilment for the award of the degree of

BACHELOR OF ENGINEERING

IN

AUTOMOBILE ENGINEERING

Under The Guidance of

Mr. Karthik A V

Designation- Assistant Professor

Department of Automobile Engineering, NHCE

JULY, 2022



DEPARTMENT OF AUTOMOBILE ENGINEERING

CERTIFICATE

This is to certify that the Project Work [20AUT84A]

On

“PERFORMANCE & EMISSIONS ATTRIBUTES OF BIO DIESEL BY USED COOKING OIL WITH USING EGR UNDER VARYING ENGINE LOAD CONDITIONS”

Is a bonafide work carried out by

AKHILESH KADUBUR (1NH18AU006)

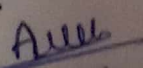
S SRIRAM (1NH18AU046)

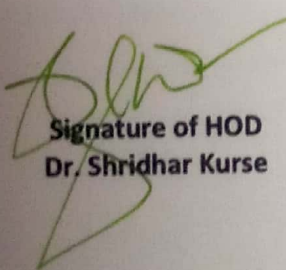
RAGHAVENDRA E (1NH18AU042)

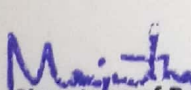
M S SURAJ (1NH19AU400)

In partial fulfilment for the award of degree of Bachelor of Engineering in Automobile Engineering of the Visvesvaraya Technological university, Belgaum during Even Semester, 2021-22. It is 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 said Degree.


Signature of Internal Guide
Prof. Karthik A V


Signature of HOD
Dr. Shridhar Kurse

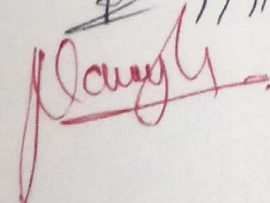

Signature of Principal
Dr. Manjunatha

External Viva

Name of the Examiners

1. Karthik A V
2. Naresh K S

Signature with Date


7/7/22

DECLARATION

We Akhilesh Kadubur , Raghavendra E , S SRIRAM , M S Suraj students of 8thsemester B.E Automobile Engineering, New Horizon College of Engineering, Bengaluru, hereby declare that the dissertation entitled "PERFORMANCE & EMISSIONS ATTRIBUTES OF BIO DIESEL BY USED COOKING OIL WITH USING EGR UNDER VARYING ENGINE LOAD CONDITIONS" has been carried out by my group and submitted in partial fulfilment of the requirement of the award of B.E in Automobile Engineering by New Horizon College of Engineering, Bengaluru during the academic year 2021-2022. Further the matter embodied in the dissertation has not been submitted previously by anybody for the award of any Degree or Diploma to any other University.

Place : BENGALURU

Date : 07/07/2022

Signature

Akhilesh Kadubur[1NH18AU006]

Raghavendra E [1NH18AU042]

S Sriram [1NH18AU046]

M S Suraj [1NH19AU400]



DESIGN AND FABRICATION OF ELECTRIC BICYCLE



PROJECT WORK [20AUT84A]

Submitted by

GAURAV SASHIKUMAR (1NH18AU017)

SABREESH S (1NH18AU047)

SHWETHA RAI (1NH18AU054)

TATVIK MAHESHA S N (1NH18AU058)

In partial fulfilment for the award of the degree of

BACHELOR OF ENGINEERING

IN

AUTOMOBILE ENGINEERING

Under The Guidance of

Mr. Sunil Prashanth Kumar

Assistant Professor

Department of Automobile Engineering, NHCE

JULY, 2022

DEPARTMENT OF AUTOMOBILE ENGINEERING

CERTIFICATE

This is to certify that the Project Work [20AUT84A]

On

“DESIGN AND FABRICATION OF ELECTRIC BICYCLE”

Is a bonafide work carried out by

GAURAV SASHIKUMAR [1NH18AU017]

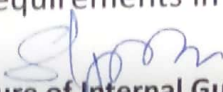
SABREESH S [1NH18AU047]

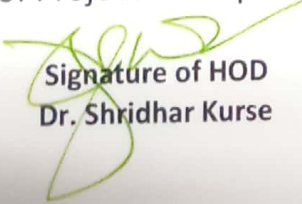
SHWETHA RAI [1NH18AU054]

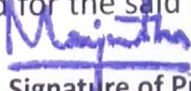
TATVIK MAHESHA S N [1NH18AU058]

In partial fulfilment for the award of degree of Bachelor of Engineering in Automobile Engineering of the Visvesvaraya Technological university, Belgaum during Even Semester, 2021-22. It is 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 said Degree.

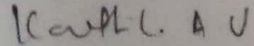
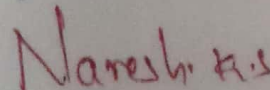

Signature of Internal Guide
Mr. Sunil Prashanth Kumar


Signature of HOD
Dr. Shridhar Kurse

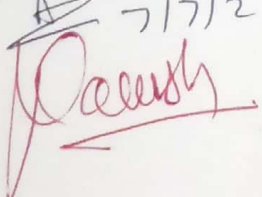

Signature of Principal
Dr. Manjunatha

External Viva

Name of the Examiners

1.  K. S. A. V.
2.  Naresht. K. S.

Signature with Date


7/7/22

DECLARATION

We Gaurav Sashikumar, Sabreesh S, Shwetha Rai, Tatvik Mahesha S N, students of 8th semester B.E Automobile Engineering, New Horizon College of Engineering, Bengaluru, hereby declare that the dissertation entitled "Design and Fabrication of Electric Bicycle" has been carried out by my group and submitted in partial fulfillment of the requirement of the award of B.E in Automobile Engineering by New Horizon College of Engineering, Bengaluru during the academic year 2021-2022. Further the matter embodied in the dissertation has not been submitted previously by anybody for the award of any Degree or Diploma to any other University.

Place : BENGALURU

Date : 07-07-2022

Signature

GAURAV SASHIKUMAR [1NH18AU017]

SABREESH S [1NH18AU047]

SHWETHA RAI [1NH18AU054]

TATVIK MAHESHA S N [1NH18AU058]

Gaurav S
Sabreesh S
Shwetha Rai
Tatvik



**NEW HORIZON
COLLEGE OF ENGINEERING**

TITLE OF THE PROJECT

**SPEED CONTROL OF ELECTRIC VEHICLE
USING RASPBERRY PI**



PROJECT WORK [20AUT84A]

Submitted by

NETHRA HARIKUMAR (1NH18AU035)

DENZIL RHODES (1NH18AU013)

MUKKUL ANAND B.A (1NH18AU008)

PAVAN KUMAR REDDY(1NH18AU034)

In partial fulfilment for the award of the degree of

BACHELOR OF ENGINEERING

IN

AUTOMOBILE ENGINEERING

Under The Guidance of

Dr. A. Sujin Jose

Associate Professor

Department of Automobile Engineering

Department of Automobile Engineering, NHCE

JULY 2022



NEW HORIZON COLLEGE OF ENGINEERING

DEPARTMENT OF AUTOMOBILE ENGINEERING

CERTIFICATE

This is to certify that the Project Work
[20AUT84A]

On

“SPEED CONTROL OF ELECTRIC VEHICLE USING RASPBERRY PI”

Is a bonafide work carried out by

NETHRA HARIKUMAR (1NH18AU035)

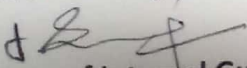
DENZIL RHODES (1NH18AU013)

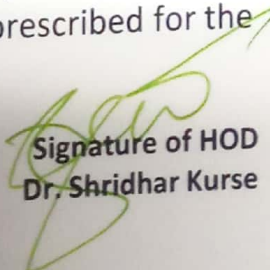
MUKKUL ANAND (1NH18AU008)

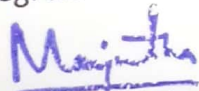
PAVAN KUMAR REDDY (1NH18AU034)

In partial fulfilment for the award of degree of Bachelor of Engineering in Automobile Engineering of the Visvesvaraya Technological university, Belgaum during Even Semester, 2021-22. It is certified that all corrections/suggestions indicated for internal assessment has been incorporated in the report deposited in the department library.

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Signature of Internal Guide
Dr . A.Sujin Jose
Associate prof.


Signature of HOD
Dr. Shridhar Kurse

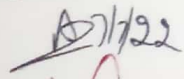

Signature of Principal
Dr. Manjunatha

External Viva

Name of the Examiners

1. Kanku AV
2. Nares h. k. s

Signature with Date




DECLARATION

We, Nethra Harikumar, Mukkul Anand, Denzil Rhodes and Pavan kumar Reddy, students of 8th semester B.E Automobile Engineering, New Horizon College of Engineering, Bengaluru, hereby declare that the dissertation entitled "SPEED CONTROL OF ELECTRIC CONTROL VEHICLE USING RASPBERRY PI" has been carried out by my group and submitted in partial fulfillment of the requirement of the award of B.E in Automobile Engineering by New Horizon College of Engineering, Bengaluru during the academic year 2021-2022. Further the matter embodied in the dissertation has not been submitted previously by anybody for the award of any Degree or Diploma to any other University.

Place : BENGALURU

Date :

Signature

NETHRAHARIKUMAR (1NH18AU035)
MUKKUL ANAND (1NH18AU008)
DENZIL RHODES (1NH18AU013)
PAVAN KUMAR REDDY (1NH18AU034)

Nethra
Mukul
Denzil
Pavan Reddy



**NEW HORIZON
COLLEGE OF ENGINEERING**

**MODELLING AND SIMULATION OF VEHICLE
SUSPENSION SYSTEM**



PROJECT WORK [20AUT84A]

Submitted by

**K MADHU BABU (1NH18AU023)
ADITYA RAJAWAT (1NH18AU004)
AKHIL CHOWDARY (1NH18AU005)**

In partial fulfillment for the award of the degree of

BACHELOR OF ENGINEERING

IN

AUTOMOBILE ENGINEERING

Under the guidance of

Mr. Mohan Kumar G R

Sr. Assistant Professor

Department of Automobile Engineering, NHCE

JULY, 2022

DEPARTMENT OF AUTOMOBILE ENGINEERING

CERTIFICATE

This is to certify that the Project Work [20AUT84A]

On

**MODELLING AND SIMULATION OF VEHICLE SUSPENSION
SYSTEM**

Is a bonafide work carried out by

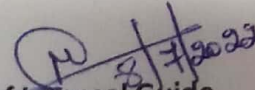
K Madhubabu [1NH18AU023]

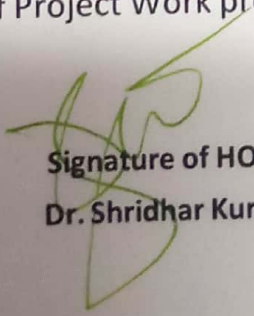
Aditya Rajawat [1NH18AU004]

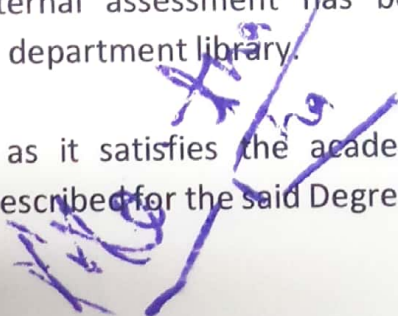
Akhil Chowdary[1NH18AU005]

In partial fulfilment for the award of degree of Bachelor of Engineering in Automobile Engineering of the Visvesvaraya Technological university, Belgaum during Even Semester, 2021-22. It is 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 said Degree.


Signature of Internal Guide
Mr. Mohan Kumar G R


Signature of HOD
Dr. Shridhar Kurse

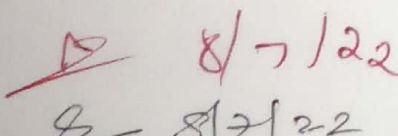

Signature of Principal
Dr. Manjunatha

External Viva

Name of the Examiners

1. *Kaarthik. A V*
2. *Chandan K.R*

Signature with Date


8/7/22
8/7/22

DECLARATION

We K Madhubabu ,Aditya Rajawat ,Akhil Chowdary students of 8thsemester B.E Automobile Engineering, New Horizon College of Engineering, Bengaluru, hereby declare that the dissertation entitled "MODELLING AND SIMULATION OF VEHICLE SUSPENSION SYSTEM" has been carried out by my group and submitted in partial fulfillment of the requirement of the award of B.E in Automobile Engineering by New Horizon College of Engineering, Bengaluru during the academic year 2021-2022. Further the matter embodied in the dissertation has not been submitted previously by anybody for the award of any Degree or Diploma to any other University.

Place : BENGALURU

Date : 08-07-2022

Signature

K MADHU BABU (1NH18AU023)

K. Madhu Babu

ADITYA RAJAWAT (1NH18AU004)

Aditya Rajawat

AKHIL CHOWDARY (1NH18AU005)

Akhil



**DESIGN AND FABRICATION OF SOLAR POWERED MULTIPURPOSE
AGRICULTURE VEHICLE**



PROJECT WORK [20AUT84A]

Submitted by

CETHAN SR (1NH18AU011)

SUNIL S (1NH17AU057)

JENITH VARMA (1NH17AU017)

NIKHIL CHANDRA R (1NH19AU401)

In partial fulfillment for the award of the degree of

BACHELOR OF ENGINEERING

IN

AUTOMOBILE ENGINEERING

Under the Guidance of

Mr. SUNIL PRASHANTH KUMAR

ASSISTANT PROFESSOR

Department of Automobile Engineering, NHCE

JULY, 2022



DEPARTMENT OF AUTOMOBILE ENGINEERING

CERTIFICATE

This is to certify that the Project Work [20AUT84A]

On

**“DESIGN AND FABRICATION OF SOLAR POWERED
MULTIPURPOSE AGRICULTURE VEHICLE”**

Is a bonafide work carried out by

CHETHAN SR (1NH18AU011)

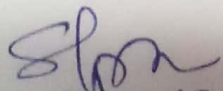
SUNIL S (1NH17AU057)

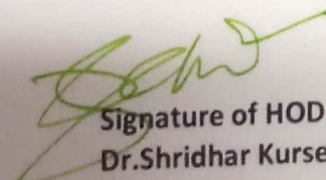
JENITH VARMA (1NH17AU017)

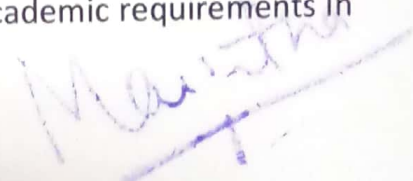
NIKHIL CHANDRA R (1NH19AU401)

In partial fulfilment for the award of degree of Bachelor of Engineering in Automobile Engineering of the Visvesvaraya Technological university, Belgaum during even semester, 2021-22. It is 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 said Degree.

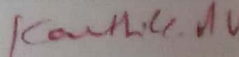
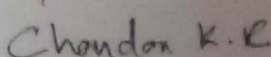

Signature of Internal Guide
Prof. Sunil Prashanth Kumar


Signature of HOD
Dr. Shridhar Kurse

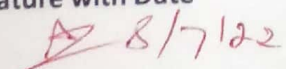
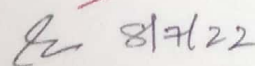

Signature of Principal
Dr. Manjunatha

External Viva

Name of the Examiners

1. 
K. R. Prashanth
2. 
Chandan K. R.

Signature with Date

 8/7/22
 8/7/22

DECLARATION

We Chethan SR, Sunil S, Jenith Varma PS, Nikhil Chandra R students of 8th semester B.E Automobile Engineering, New Horizon College of Engineering, Bengaluru , hereby declare that the dissertation entitled "DESIGN AND FABRICATION OF SOLAR POWERED MULTIPURPOSE AGRICULTURE VEHICLE" has been carried out by my group and submitted in partial fulfillment of the requirement of the award of B.E in Automobile Engineering by New Horizon College of Engineering, Bengaluru during the academic year 2021-2022. Further the matter embodied in the dissertation has not been submitted previously by anybody for the award of any Degree or Diploma to any other University.

Place : BENGALURU

Date : 8/07/2022

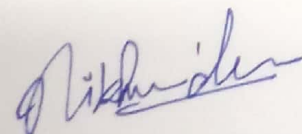
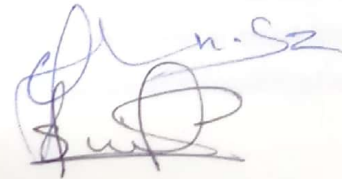
Signature

CHETHAN SR [1NH18AU011]

SUNIL S [1NH17AU057]

JENITH VARMA PS [1NH17AU017]

NIKHL CHANDR R [1NH19AU401]





**NEW HORIZON
COLLEGE OF ENGINEERING**

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

“Design & Analysis of Single Cylinder Exhaust System”



PROJECT WORK - [20AUT84A]

Submitted by

AKIL AYUB MIR (1NH17AU004)
SHOAIB AKHTER KASMA (1NH17AU049)
SYED SALMAN (1NH19AU404)

In partial fulfilment for the award of the degree of

BACHELOR OF ENGINEERING

IN

AUTOMOBILE ENGINEERING

Under the Guidance of

Dr. Sujin Jose

Senior Assistant Professor

Department of Automobile Engineering, NHCE

June, 2022



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 AUTOMOBILE ENGINEERING CERTIFICATE

On

“Design & Analysis of Single Cylinder Exhaust System”

Is a bonafide work carried out by

AKIL AYUB MIR (1NH17AU004)
SHOAIB AKHTER KASMA (1NH17AU049)
SYED SALMAN (1NH19AU404)

In partial fulfilment for the award of degree of Bachelor of Engineering in Automobile Engineering of the Visvesvaraya Technological university, Belgaum during Even Semester, 2021-22. It is certified that all corrections/suggestions indicated for internal assessment has been incorporated in the report deposited in the department library.

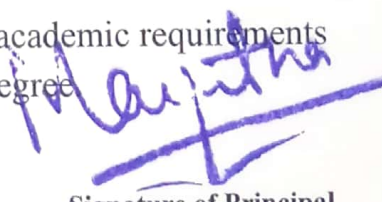
The project report has been approved as it satisfies the academic requirements in respect of Project Work for prescribed for the said Degree


Signature of Internal Guide

Dr. Sujin Jose Arul


Signature of HOD

Dr. Shridhar Kurse


Signature of Principal

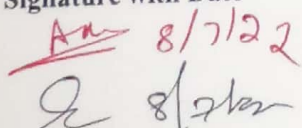
Dr. Manjunatha

External Viva

Name of the Examiners

1. Kaathilic AV
2. Chidan KR

Signature with Date


8/7/22
8/7/22


DECLARATION

We Akil Ayub Mir, Shoaib Akhter Kasma and Syed Salman students of 8th semester B.E Automobile Engineering, New Horizon College of Engineering, Bengaluru, hereby declare that the dissertation entitled "Design and Analysis of Single Cylinder Exhaust System" has been carried out by my group and submitted in partial fulfilment of the requirement of the award of B.E in Automobile Engineering by New Horizon College of Engineering, Bengaluru during the academic year 2021-2022. Further the matter embodied in the dissertation has not been submitted previously by anybody for the award of any Degree or Diploma to any other University.

Place: BENGALURU

Date: 8/7/2022

Signature



AKIL AYUB MIR
SHOAIB AKHTER KASMA
SYED SALMAN

(1NH17AU004)
(1NH17AU049)
(1NH19AU404)



NEW HORIZON
COLLEGE OF ENGINEERING

Mechanical property evaluation of AL-SIC 6061 alloy as
brake pad material under heat-treated condition using
experimental approach



PROJECT WORK [20AUT84A]

Submitted by

MANSOOR AKTAR ALI (1NH18AU030)

VENKATESH G (1NH18AU060)

SAUVIK MANDAL (1NH18AU050)

In partial fulfillment for the award of the degree of

BACHELOR OF ENGINEERING

IN

AUTOMOBILE ENGINEERING

Under the guidance of

Mr. Mohan Kumar G R

Sr. Assistant Professor

Department of Automobile Engineering, NHCE

JULY, 2022

DEPARTMENT OF AUTOMOBILE ENGINEERING

CERTIFICATE

This is to certify that the Project Work [20AUT84A]

On

**Mechanical property evaluation of AL-SIC 6061 alloy as
brake pad material under heat-treated condition using
experimental approach**

Is a bonafide work carried out by

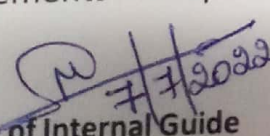
***Mansoor Aktar Ali* [1NH18AU030]**

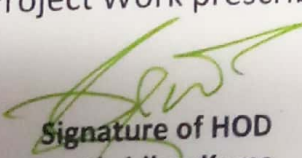
***Venkatesh G* [1NH18AU060]**

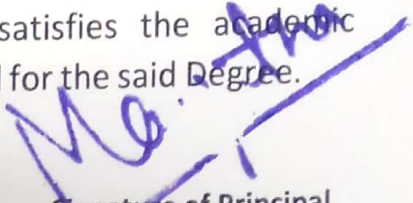
***Sauvik Mandal* [1NH18AU050]**

In partial fulfillment for the award of degree of Bachelor of Engineering in Automobile Engineering of the Visvesvaraya Technological university, Belgaum during Even Semester, 2021-22. It is 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 said Degree.


Signature of Internal Guide
Mr. Mohan Kumar G R


Signature of HOD
Dr. Shridhar Kurse


Signature of Principal
Dr. Manjunatha

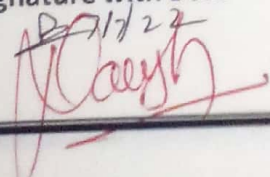
Department of Automobile Engineering
New Horizon College of Engineering
Ring Road, Bullandur Post, Near Marathalli, Bangalore - 560 108

External Viva

Name of the Examiners

1. *Karthik D U*
2. *Nareesh K S*

Signature with Date


7/7/22

DECLARATION

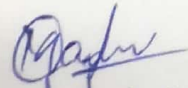
We Mansoor Aktar Ali, Venkatesh G, Sauvik Mandal, students of 8th semester B.E Automobile Engineering, New Horizon College of Engineering, Bengaluru, hereby declare that the dissertation entitled "Mechanical Property Evaluation Of AL-SIC 6061 Alloy As Brake Pad Material Under Heat-Treated Condition Using Experimental Approach" has been carried out by my group and submitted in partial fulfillment of the requirement of the award of B.E in Automobile Engineering by New Horizon College of Engineering, Bengaluru during the academic year 2021-2022. Further the matter embodied in the dissertation has not been submitted previously by anybody for the award of any Degree or Diploma to any other University.

Place : BENGALURU

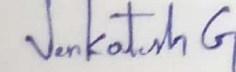
Date : 07/07/22

Signature

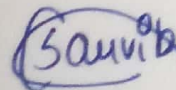
MANSOOR AKTAR ALI [1NH18AU030]



VENKATESH G [1NH18AU060]



SAUVIK MANDAL [1NH18AU050]





Tribological property evaluation of AL-SIC 6061 alloy as
brake pad material under heat-treated condition using
experimental approach



PROJECT WORK [20AUT84A]

Submitted by

M HEMANTH (1NH18AU026)

SANKET HIREDESAI (1NH18AU048)

ARJUNE A (1NH18AU001)

In partial fulfillment for the award of the degree of

BACHELOR OF ENGINEERING

IN

AUTOMOBILE ENGINEERING

Under the guidance of

Mr. Mohan Kumar G R

Sr. Assistant Professor

Department of Automobile Engineering, NHCE

JULY, 2022

DEPARTMENT OF AUTOMOBILE ENGINEERING

CERTIFICATE

This is to certify that the Project Work [20AUT84A]

On

**Tribological property evaluation of AL-SIC 6061 alloy as
brake pad material under heat-treated condition using
experimental approach**

Is a bonafide work carried out by

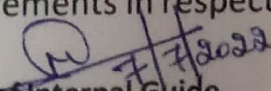
M Hemanth [1NH18AU026]

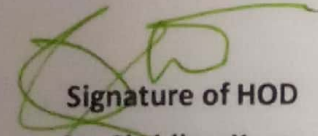
Sanket Hiredesai [1NH18AU048]

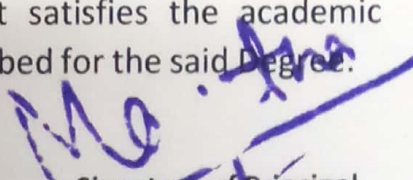
Arjune A [1NH18AU001]

In partial fulfillment for the award of degree of Bachelor of Engineering in Automobile Engineering of the Visvesvaraya Technological university, Belgaum during Even Semester, 2021-22. It is 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 said Degree.


Signature of Internal Guide
Mr. Mohan Kumar G R

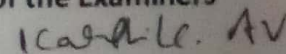

Signature of HOD
Dr. Shridhar Kurse


Signature of Principal
Dr. Manjunatha

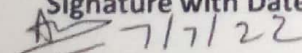
Department of Automobile Engineering
New Horizon College of Engineering
Ring Road, Bahadur Post, Near Chikballi, Bangalore - 560 108

External Viva

Name of the Examiners

1.  AV
- 2.

Signature with Date

 7/7/22

DECLARTAIION

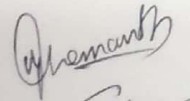
We M Hemanth, Sanket Hiredesai, Arjune students of 8thsemester B.E Automobile Engineering, New Horizon College of Engineering, Bengaluru, hereby declare that the dissertation entitled "Tribological Property Evaluation Of AL-SIC 6061 Alloy As Brake Pad Material Under Heat-Treated Condition Using Experimental Approach" has been carried out by my group and submitted in partial fulfillment of the requirement of the award of B.E in Automobile Engineering by New Horizon College of Engineering, Bengaluru during the academic year 2021-2022. Further the matter embodied in the dissertation has not been submitted previously by anybody for the award of any Degree or Diploma to any other University.

Place : BENGALURU

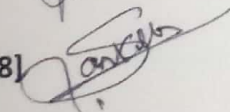
Date : 07-07-2022

Signature


M HEMANTH [1NH18AU026]



SANKET HIREDESAI [1NH18AU048]



ARJUNE A [1NH18AU001]





NEW HORIZON
COLLEGE OF ENGINEERING

“FABRICATION OF ELECTRIC BIKE WITH VARIOUS CHARGING METHODS”



PROJECT WORK [20AUT84A]

Submitted by

JYOSHNA G V (1NH18AU019)

LOHITH GOWDA N (1NH18AU025)

MANOJ G REDDY (1NH18AU028)

VIVIN DANIEL (1NH18AU063)

In partial fulfilment for the award of the degree of

BACHELOR OF ENGINEERING
IN

AUTOMOBILE ENGINEERING

Under The Guidance of

Mrs. Smitha B S

Assistant Professor

Department of Automobile Engineering, NHCE

JULY, 2022



NEW HORIZON COLLEGE OF ENGINEERING

DEPARTMENT OF AUTOMOBILE ENGINEERING

CERTIFICATE

This is to certify that the Project Work [20AUT84A] on

“MANUFACTURE OF ELECTRIC BIKE WITH VARIOUS CHARGING METHODS”

Is a Bonafede work carried out by

JYOSHNA G V [1NH18AU019]

LOHITH GOWDA N [1NH18AU025]

MANOJ G REDDY [1NH18AU028]

VIVIN DANIEL [1NH18AU063]

In partial fulfilment for the award of degree of Bachelor of Engineering in Automobile Engineering of the Visvesvaraya Technological university, Belgaum during Even Semester, 2021-22. It is 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 said Degree.

SMB 7/7/22
Signature of Internal Guide
Mrs. Smitha B S

[Signature]
Signature of HOD
Dr. Shridhar Kurse

[Signature]
Signature of Principal
Dr. Manjunatha

External Viva

Name of the Examiners

1. *Karthik C. A V*
2. *Chandran K.R*

Signature with Date

[Signature] 8/7/22
[Signature] 8/7/22

DECLARATION

We Jyoshna G V, Lohith Gowda N, Manoj G Reddy, Vivin Daniel students of 8th semester B.E Automobile Engineering, New Horizon College of Engineering, Bengaluru, hereby declare that the dissertation entitled "Optimization And Fabrication of Battery Performance in Electric Vehicle" has been carried out by my group and submitted in partial fulfillment of the requirement of the award of B.E in Automobile Engineering by New Horizon College of Engineering, Bengaluru during the academic year 2021-2022. Further the matter embodied in the dissertation has not been submitted previously by anybody for the award of any Degree or Diploma to any other University.

Place: BENGALURU

Date: 08-07-2022

Signature

Jyoshna G.V [1NH18AU019]

Jyoshnagupta

Lohith Gowda N [1NH18AU025]

Lohith

Manoj G Reddy [1NH18AU028]

manoj

Vivin Daniel [1NH18AU063]

Vivin



**NEW HORIZON
COLLEGE OF ENGINEERING**

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

“Design And Fabrication of an Electric Go-kart”



PROJECT WORK [20AUT84A]

Submitted by

P MOHITH (1NH18AU038)

VIKAS M (1NH18AU061)

SIRAJ REDDY C (1NH19AU403)

In partial fulfilment for the award of the degree of

BACHELOR OF ENGINEERING

IN

AUTOMOBILE ENGINEERING

Under The Guidance

Mr. Jayasheel Kumar K A

Senior Assistant Professor

Department of Automobile Engineering, NHCE

JULY, 2022



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 AUTOMOBILE ENGINEERING CERTIFICATE

This is to certify that the Project Work [20AUT84A]
On

“Design And Fabrication of an Electric Go-kart”

Is a bonafide work carried out by

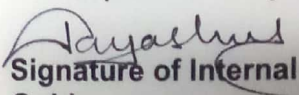
P MOHITH (1NH18AU038)

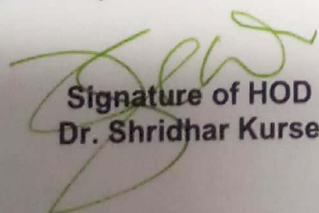
VIKAS M (1NH18AU061)

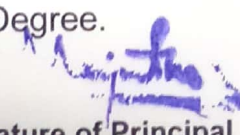
SIRAJ REDDY C (1NH19AU403)

In partial fulfilment for the award of degree of Bachelor of Engineering in Automobile Engineering of the Visvesvaraya Technological university, Belgaum during Even Semester, 2021-22. It is 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 said Degree.


Signature of Internal
Guide
Jayasheel Kumar
K A


Signature of HOD
Dr. Shridhar Kurse

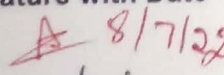
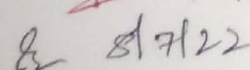

Signature of Principal
Dr. Manjunatha

External Viva

Name of the Examiners

1. Karthik A ✓
2. Charden K.R.

Signature with Date

 8/7/22
 8/7/22

DECLARATION

We P Mohith, Vikas M, Siraj Reddy C students of 8th semester B.E Automobile Engineering, New Horizon College of Engineering, Bengaluru, hereby declare that the dissertation entitled "Design and Fabrication of an Electric Go-kart" has been carried out by my group and submitted in partial fulfillment of the requirement of the award of B.E in Automobile Engineering by New Horizon College of Engineering, Bengaluru during the academic year 2021-2022. Further the matter embodied in the dissertation has not been submitted previously by anybody for the award of any Degree or Diploma to any other University.

Place : BENGALURU

Date : 08/07/2022

P Mohith	[1NH18AU038]
Vikas M	[1NH18AU061]
Siraj Reddy C	[1NH19AU403]

Signature

P. Mohith

Vikas M

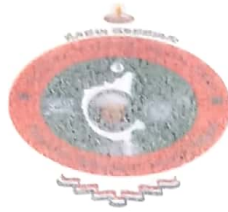
Siraj Reddy C



**NEW HORIZON
COLLEGE OF ENGINEERING**

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

“Design And Analysis of an Electric Go-kart”



PROJECT WORK [20AUT84A]

Submitted by

P R Pranav Chaitanya Sharma (1NH18AU039)

P Sumanth (1NH18AU040)

VEDANTH S M (1NH18AU059)

In partial fulfilment for the award of the degree of

BACHELOR OF ENGINEERING

IN

AUTOMOBILE ENGINEERING

Under The Guidance

Mr Sunil Prashanth Kumar

Assistant Professor

Department of Automobile Engineering, NHCE

JULY, 2022



NEW HORIZON COLLEGE OF ENGINEERING

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DEPARTMENT OF AUTOMOBILE ENGINEERING CERTIFICATE

This is to certify that the Project Work [20AUT84A]
On

“Design And Analysis of an Electric Go-kart”

Is a bonafide work carried out by

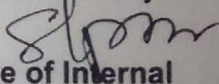
P R Pranav Chaitanya Sharma (1NH18AU039)

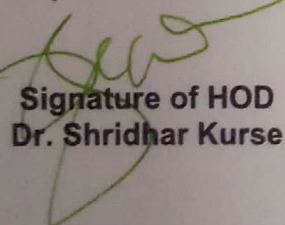
P Sumanth (1NH18AU040)

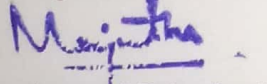
VEDANTH S M (1NH18AU059)

In partial fulfilment for the award of degree of Bachelor of Engineering in Automobile Engineering of the Visvesvaraya Technological university, Belgaum during Even Semester, 2021-22. It is certified that all corrections/suggestions indicated for internal assessment has been incorporated in the report deposited in the department library.

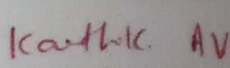
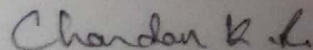
The project report has been approved as it satisfies the academic requirements in respect of Project Work prescribed for the said Degree.

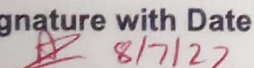
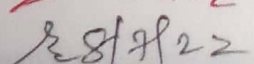

Signature of Internal
Guide
Prof. Sunil
Prashanth Kumar


Signature of HOD
Dr. Shridhar Kurse


Signature of Principal
Dr. Manjunatha

External Viva
Name of the Examiners

1.  K. Anitha
2.  Chandan K. S.

Signature with Date
 8/7/22
 8/8/22

DECLARATION

We P R Pranav Chaitanya Sharma, P Sumanth, Vedanth S M students of 8th semester B.E Automobile Engineering, New Horizon College of Engineering, Bengaluru, hereby declare that the dissertation entitled "Design and Analysis of an Electric Go-kart" has been carried out by my group and submitted in partial fulfillment of the requirement of the award of B.E in Automobile Engineering by New Horizon College of Engineering, Bengaluru during the academic year 2021-2022. Further the matter embodied in the dissertation has not been submitted previously by anybody for the award of any Degree or Diploma to any other University.

Place : BENGALURU

Date : 08/July/2022

P R Pranav Chaitanya Sharma [1NH18AU039]

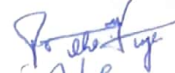
P Sumanth

Vedanth S M

[1NH18AU040]

[1NH18AU059]

Signature





**NEW HORIZON
COLLEGE OF ENGINEERING**

TITLE OF THE PROJECT

**FABRICATION OF AUTOMATIC TYRE
INFLATION SYSTEM**



PROJECT WORK [20AUT84A]

Submitted by

ANKIT KUMAR NAYAK (1NH18AU007)

BOJJA SAI NITHIN (1NH18AU009)

NITHIN R (1NH18AU036)

P HEMANTH REDDY (1NH18AU037)

In partial fulfilment for the award of the degree of

BACHELOR OF ENGINEERING

IN

AUTOMOBILE ENGINEERING

Under The Guidance of

Dr. Sujin Jose Arul

Associate Professor

Department of Automobile Engineering, NHCE

JULY, 2022



**NEW HORIZON
COLLEGE OF ENGINEERING**

DEPARTMENT OF AUTOMOBILE ENGINEERING

CERTIFICATE

This is to certify that the Project Work [20AUT84A]

On

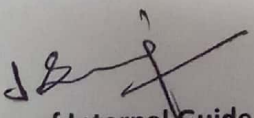
“FABRICATION OF AUTOMATIC TYRE INFLATION SYSTEM”

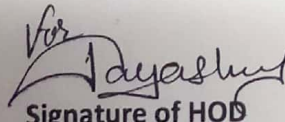
Is a bonafide work carried out by


ANKIT KUMAR NAYAK	1NH18AU007
BOJJA SAI NITHIN	1NH18AU009
NITHIN R	1NH18AU036
P HEMANTH REDDY	1NH18AU037

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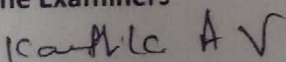

Signature of Internal Guide
Dr. A. Sujin Jose


Signature of HOD
Dr. Shridhar Kurse

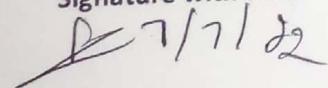

Signature of Principal
Dr. Manjunatha

External Viva

Name of the Examiners

1.  AV
- 2.

Signature with Date

 7/7/22

DECLARATION

We Ankit Kumar Nayak, Bojja Sai Nithn, Nithin R and P Hemanth Reddy, students of 8th semester B.E Automobile Engineering, New Horizon College of Engineering, Bengaluru, hereby declare that the dissertation entitled "Fabrication Of Automatic Tyre Inflation System" has been carried out by my group and submitted in partial fulfillment of the requirement of the award of B.E in Automobile Engineering by New Horizon College of Engineering, Bengaluru during the academic year 2021-2022. Further the matter embodied in the dissertation has not been submitted previously by anybody for the award of any Degree or Diploma to any other University.

Place : BENGALURU

Date :

ANKIT KUMAR NAYAK

1NH18AU007

BOJJA SAI NITHIN

1NH18AU009

NITHIN R

1NH18AU036

P HEMANTH REDDY

1NH18AU037

Signature

