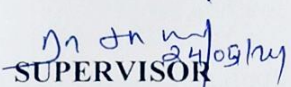



ANNA UNIVERSITY CHENNAI 600025

BONAFIDE CERTIFICATE

Certified that this project report "INVESTIGATION OF RCCI IN A SINGLE- CYLINDER DIESEL ENGINE USING HYDROGEN AND BIODIESEL BLENDS" is the bonfide work of DURGESH V G, GOKUL G, PRASANNA DEVI R, AKASH S who carried out the Project work under my supervision.

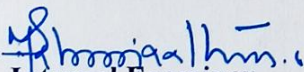

SUPERVISOR

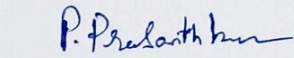
Mr. Prakash R S
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Project Viva Voce Examination held on 24.05.2024.


Internal Examiner


External Examiner

ANNA UNIVERSITY: CHENNAI 600025

BONAFIDE CERTIFICATE

Certified that this project report “DEVELOPMENT OF NATURAL FIBRE REINFORCED COMPOSITE FOR THERMAL INSULATION APPLICATION” is the bonafide work of SUREN CHARLES A, KABEEN SAKTHI V, NAGALAKSHMI S, YUVARAJ K who carried out the project work under my supervision.

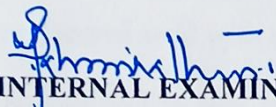

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Project Viva Voce Examination held on 24/5/24.


INTERNAL EXAMINER

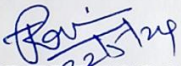

EXTERNAL EXAMINER

ANNA UNIVERSITY: CHENNAI 600025

ACKNOWLEDGEMENT

BONAFIDE CERTIFICATE

Certified that this project report "THERMODYNAMIC ANALYSIS OF HYDROCARBON BASED REFRIGERANTS WITH VAPOUR COMPRESSION HEAT PUMP SYSTEM" is the bonafide work of VISHAL K , BHAVIDHRAN K, KARTHI M .Who carried out the project work under my supervision.



SUPERVISOR

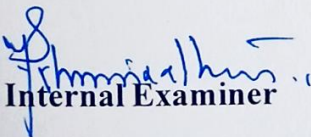
Mr. Yogaraja J
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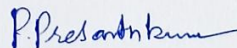
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Project viva voce Examination held on 24.05.2024.



Internal Examiner



External Examiner

ANNA UNIVERSITY: CHENNAI 600025

BONAFIDE CERTIFICATE

Certified that this project report "DEVELOPMENT OF HIGH PERFORMANCE RICE HUSK COATED POLYMER FOR AUTOMOBILE APPLICATION" is the bonafide work of NANDHA KUMAR A, NAVEEN PRANSANTH P, SRI SABARISH N, VISWANATHAN T who carried out the project work under my supervision.


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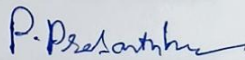
Technology, Valley Campus

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Internal Examiner


External Examiner

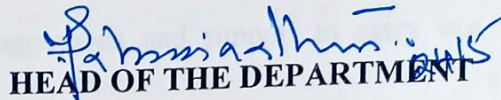
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BONAFIDE CERTIFICATE

Certified that this project report "REAL TIME ACCIDENT DETECTION AND ASSISTANCE SYSTEM FOR FLEET MANAGEMENT" is the bonafide work of ANUSH T S, GOWTHAM T, HARISH R, KOUSHIK C M who carried out the project work under my supervision.

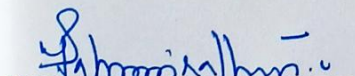

SUPERVISOR

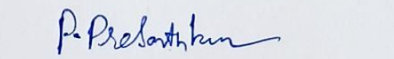
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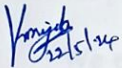

INTERNAL EXAMINER


EXTERNAL EXAMINER

ANNAUNIVERSITY: CHIENNAI 600025

BONAFIDE CERTIFICATE

Certified that this project report "DESIGN AND ANALYSIS OF NANO MATERIAL CATALYTIC CONVERTER" is the bonafide work of CHELLAMUNI P, JUSTIN K BIJU, SANJAY S, MANOJKUMAR M. who carried out the project work under my supervision.



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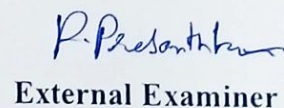
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Project Viva Voce Examination held on 24/05/2024.



Internal Examiner



External Examiner

ANNA UNIVERSITY: CHENNAI 600025

BONAFIDE CERTIFICATE

Certified that this project report “**DESIGN AND FABRICATION OF DRIVER DIZZINESS ALERT SYSTEM**” is the bonafide work of **AJITH M, ASHWIN K M, FEBIN JOSEPH C F, KASHINATH P P.** who carried out the project work under my supervision.

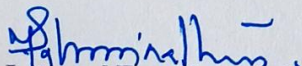

SUPERVISOR



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Internal Examiner


External Examiner

ANNA UNIVERSITY: CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this project report "FABRICATION OF ULTRASONIC REVERSE BRAKING SYSTEM" is the bonafide work of VINOThRAJ V, KRISHNA R, PRASANNA KUMAR P, SAMPATH KUMAR S who carried out the project work under my supervision.

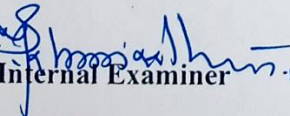

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Project Viva Voce Examination held on 24-05-2024.


Internal Examiner


External Examiner

ANNA UNIVERSITY: CHENNAI 600025

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Certified that this project report "AUTOMATIC ELECTRO-HYRAULIC JACK FOR FOUR-WHEELER" is the bonafide work of **MOHAMMED AMAL ARAKKAL, MUHAMMED AKASAM T P, SHAILESH R, UJJWAL K P** who carried out the project work under my supervision.



SUPERVISOR

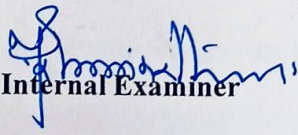
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Project Viva Voce Examination held on 24.05.2024.



Internal Examiner



External Examiner

BONAFIDE CERTIFICATE

Certified that this project report "DESIGN AND FABRICATION OF VENDOR VEHICLE FOR PHYSICALLY DISABLED PERSON" is the bonafide work of SABARISH K, MURALIDHARAN C, SANTHOSH C, THANUSH J. Who carried out the project work under my supervision.

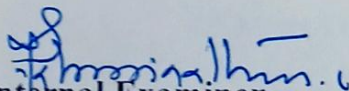

SUPERVISOR

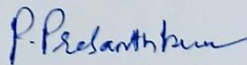
Mr. Prabhu G
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Othakalamandapam post
Coimbatore-641032

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Internal Examiner


External Examiner

ANNA UNIVERSITY: CHENNAI 600 025

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Certified that this project report “**DESIGN AND FABRICATION OF HELMET WARNING SYSTEM**” is the bonafide work of **AJAY S, AMBADI A, ANDI N, MITHUL K K.** who carried out the project work under my supervision.



SUPERVISOR

Mr K Mujiburrahman

Assistant Professor

Department of Automobile Engineering

Hindusthan College of Engineering &

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Valley Campus

Otthakkalmandapam Post

Coimbatore – 641032



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Professor and Head

Department of Automobile Engineering

Hindusthan College of Engineering &

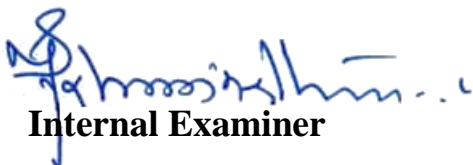
Technology,

Valley Campus

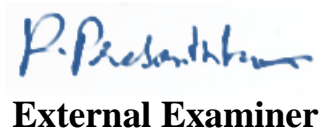
Otthakkalmandapam Post

Coimbatore – 641032

Project Viva Voce Examination held on_____.



Internal Examiner




External Examiner

ANNA UNIVERSITY: CHENNAI 600025

BONAFIDE CERTIFICATE

Certified that this project report "AUTOMATIC BRAKE FAILURE DETECTOR AND ACCELERATION LOCKING SYSTEM" is the Bonafide work of ABDUL AZEEZ CP, RUFAID P, SHAFDIL SAHEER, SINAN ABDUL LATHIEF who carried out the project work under my supervision.


SUPERVISOR

Mr. J. Yogaraja, ME.

Assistant Professor

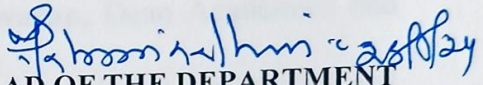
Department of Automobile Engineering

Hindusthan College of Engineering &

Technology, Valley Campus

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Coimbatore – 641032


HEAD OF THE DEPARTMENT

Dr. Sabarinathan C

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Department of Automobile Engineering

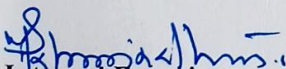
Hindusthan College of Engineering &

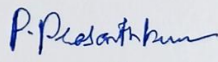
Technology, Valley Campus

Othakkalmandapam Post

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Project Viva Voce Examination held on 24-05-2024.


Internal Examiner


External Examiner

ANNA UNIVERSITY CHENNAI 600025

BONAFIDE CERTIFICATE

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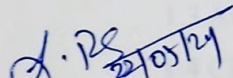
Project Viva Voce Examination held on 24/05/2024.


Internal Examiner


External Examiner

BONAFIDE CERTIFICATE

Certified that this project report "DESIGN AND FABRICATION OF REGENARATIVE CLUTCH POWER GENERATION" is the bonafide work of ABINESH B, JAGAN P B, JEEVA PRAKASH M, SIVANESH S who carried out the project work under my supervision.

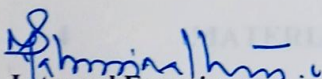

SUPERVISOR

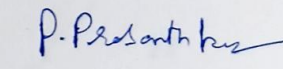

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Internal Examiner


External Examiner

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Certified that this project report "FABRICATION OF SAFETY CAR DOOR LOCK SYSTEM USING PIR SENSOR" is the bonafide work of ALI AHAMED M S, HARSHA VARDHANAN G, JESWIN SAM R, PRATHIK ANUSH KUMAR S who carried out the project work under my supervision.



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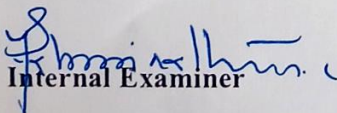
Hindusthan College of Engineering &
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Valley Campus,

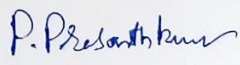
Otthakkalmandapam Post,

Coimbatore – 641032.

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Internal Examiner



External Examiner

ANNA UNIVERSITY: CHENNAI 600 025
BONAFIDE CERTIFICATE

Certified that this project report "DESIGN AND FABRICATION OF DUAL BRAKING SYSTEM IN SINGLE PEDAL" is the bonafide work of M AMARNATH, T JEYASURYA A, K MANOJ, M HARISH KUMAR . who carried out the project work under my supervision.

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