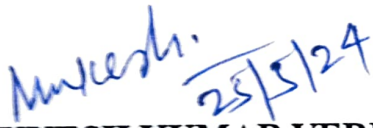


CERTIFICATE

This is to certify that the project entitled "INVESTIGATION ABOUT MACHINING ISSUES IN TURNING OPERATION OF EN-8 STEEL" has been submitted by- SHIVAM PATHAK(CSJMA20001390319), ANUTASHAYA KUMAR(CSJMA20001390278), AYUSH KR. PANDEY(CSJMA20001390288), KAVITA RAI(CSJMA20001390300) under my guidance in fulfilment for the award of the degree of Bachelor of Technology in Mechanical Engineering of U.I.E.T, CSJMU, KANPUR during the academic year 2020-2024 (Semester 8th).

Date: /05/2024

Place: Kanpur


(Er. MUKESH KUMAR VERMA)


(Dr. RAJESH KUMAR PRASAD)
25/05/2024
H.O.D Mechanical Department

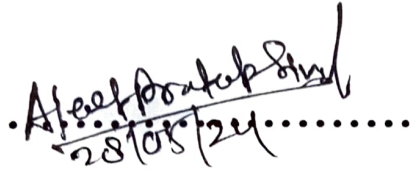
Guide:

Certificate

This is to certify that the project entitled “**An Aerodynamics UAV Propeller Design Analysis By Using Computational Fluid Dynamic**” by **Anvesha Kumari, Gaurav Yadav, Vishal Bharti and Yogesh Verma** for the award of Bachelor of Technology in Mechanical engineering of University institute of engineering and technology, CSJM University ,Kanpur during the academic year 2023-2024.

Date: - 27/05/2024

Place: - Kanpur

Handwritten signature of Er. Ajeet Pratap Singh in blue ink, with the date 28/05/24 written below it.

Er. Ajeet Pratap Singh

(supervisor)

Handwritten signature of Dr. Rajesh Kumar Prasad in blue ink, with the date 28/05/2024 written below it.

Dr. Rajesh Kumar Prasad

Head Of Department

Mechanical Engineering

CERTIFICATE

This is to certify that the seminar entitled " **FOOTSTEP POWER GENERATION MECHANISM**" has been submitted by **Akhil Mishra** (CSJMA20001390269), **Anshika Parihar**(CSJMA20001390276), **Priyanshu Mahaur**(CSJMA20001390310), **Rohit Kumar** (CSJMA20001390312) under my guidance in partial fulfilment of the degree of Bachelor of Technology in Mechanical Engineering of School of Engineering & Technology, UIET-C.S.J.M. University Kanpur, during academic year 2023-2024 (semester-VIII).

Date: 27/05/2024

Place: Kanpur

Ranbir mukhya
27/5/24

Project Guide

Er Ranbir Mukhya.

Department Of Mechanical Engineering,

UIET, CSJM University Kanpur

Head of Department

Dr. Rajesh Prasad

Department Of Mechanical

Engineering, UIET CSJMU

Kanpur

CERTIFICATE

This is to certify that the project entitled “Design and Analysis of crankshaft with different materials using ANSYS” has been submitted by **SHREYA PATHAK, NISHANT JAISWAL, SUMANYU GUPTA, UTKARSH SACHAN** under my guidance in fulfillment for the award of the degree of Bachelor of Technology in Mechanical Engineering of UIET, CSJMU, Kanpur during the academic year 2023-24 (Semester- 8th).

Ranbir mukhya,
.....
25/5/2024.

Er. Ranbir Mukhya
(Guide)

.....
Dr. Rajesh Kumar Prasad
(H.O.D Mechanical Department)

CERTIFICATE

This is to certify that the project report entitled **“PETROL ENGINE OPERATED TRACTOR”** has been submitted by **SAKSHI PATHAK, AKHILESH KUMAR, AMAN YADAV, HARDIK SRIVASTAVA, AYUSH KUMAR, VIKAS RAJ, ROSHAN DUBEY, HIMANSHU GUPTA** under my guidance in fulfilment for the award of the degree of Bachelor of Technology in Mechanical Engineering of U.I.E.T. CSJMU, KANPUR during the academic year 2023-2024 (Semester-8th).

Date-

Place- UIET KANPUR

Er. Vikas Katiyar
Guide

Dr. Rajesh Kumar Prasad
H.O.D. Mechanical Department



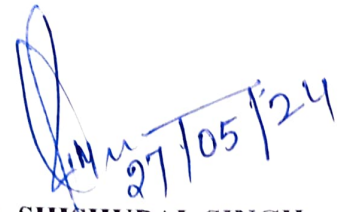
University Institute of Engineering and Technology, CSJMU Kanpur.

Department of Mechanical Engineering

CERTIFICATE

This is to Certify that **PROJECT REPORT** Entitled "**Analysis and Modelling Of Prototypes using 3D Printer: Creality Ender 7-Featuring it's Real Life Utilities.**", has been carried out by Group 12 , under the guidance of **ER. SHISHUPAL SINGH** in fulfillment for the award of the degree of Bachelor of Technology in Mechanical Engineering in U.I.E.T, C.S.J.M, University Kanpur, during the academic year 2023-2024. To the Best of my knowledge and belief this work is not submitted elsewhere for award of any other degree. This Project Report is Submitted to PROFESSOR IN-CHARGE **DR. RAJESH KUMAR PRASAD.**

I wish him success in all future endeavors.


ER. SHISHUPAL SINGH
GUIDE


DR. RAJESH KUMAR PRASAD
HEAD OF DEPARTMENT
MECHANICAL ENGINEERING

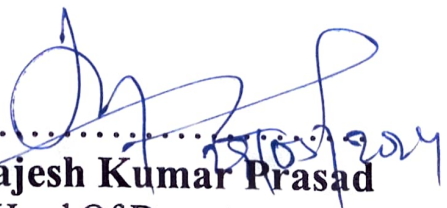
CERTIFICATE

This is certified that the project entitled '**Silent Air Purifier and Humidifier with Water Filter**' has been submitted by HARSH GAUTAM (CSJMA20001390296), ASHWIN GUPTA (CSJMA20001390285), NIKHIL ARYAN (CSJMA20001390307), AMAN SINGH RAJPUT (CSJMA20001390272) under my guidance in fulfillment for the award of Bachelor of Technology in Mechanical Engineering of University Institute of Engineering and Technology, CSJM University, Kanpur during the academic year 2023-24.

Date: - /05/2024

Place: - Kanpur


.....
Dr. Rajesh Kumar Prasad
(Guide)


.....
Dr. Rajesh Kumar Prasad
Head Of Department
Mechanical Engineering

CERTIFICATE

This is to Certify that PROJECT REPORT Entitled "POWER TRANSMISSION THROUGH ELBOW MECHANISM" Featuring it's Real Life Utilities.", has been carried out by our Group, under the guidance of ER. **AJEET PRATAP SINGH** in partial fulfillment of the degree of Bachelor of Technology in Mechanical Engineering in U.I.E.T, C.S.J.M, University Kanpur, during the academic year 2023-2024. To the Best of my knowledge and belief this work is not submitted elsewhere for award of any other degree. This Project Report is Submitted to PROFESSOR IN-CHARGE DR. **RAJESH KUMAR PRASAD**. I wish him success in all future endeavors

Submitted By:

Ajeet
395124

Guided By:

Arpit Verma CSJMA20001390**282**
Gaurav Sonwani CSJMA20001390**292**
Namrta CSJMA20001390**306**
Tarun Singh CSJMA20001390**323**

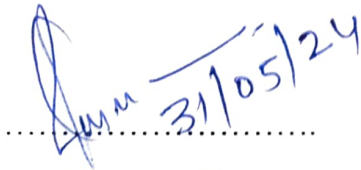
ER. AJEET PRATAP SINGH
Assistant Professor
Mechanical Engineering
U.I.E.T CSJM UNIVERSITY

Rajesh Kumar Prasad
28/05/2024
HEAD OF DEPARTMENT:
DR. RAJESH KUMAR PRASAD
MECHANICAL ENGINEERING

CERTIFICATE

This is to certify that the project entitled “ **DESIGN AND FABRICATION OF LOW COST MUD POT AIR COOLERS**” has been submitted by Vandana Patel (CSJMA20001390325) , Ashutosh Dwivedi (CSJAM20001390302), Harsh Dixit (CSJMA20001390295) , Piyush Tiwari (CSJMA20001390309), under my guidance in fulfillment for the award of Bachelor of Technology in Mechanical engineering of University institute of engineering and technology, CSJM University ,Kanpur during the academic year 2023-2024.

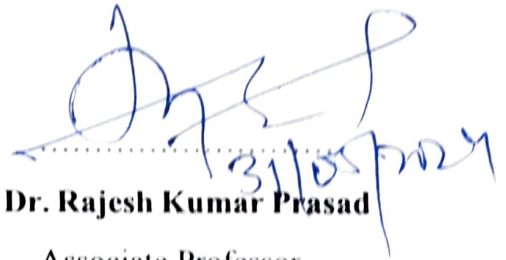
Place: - Kanpur



Er. Shishupal Singh

Assistant Professor

(Guide)



Dr. Rajesh Kumar Prasad

Associate Professor

Head Of Department

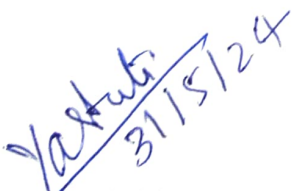
Mechanical Engineering

CERTIFICATE

This is to certify that the seminar entitled " Development of Coconut oil & Paraffin Phase Change Material (PCM) And Substitute of Paraffin Phase Change Material (PCM)" has been submitted by Arpit Singh (CSJMA20001390281), Bhaskar (CSJMA20001390290), Suraj Singh (CSJMA20001390322), Khalid Khan (CSJMA20001390301) under my guidance in partial fulfilment of the degree of Bachelor of Technology in Mechanical Engineering of School of Engineering & Technology, U.I.E.T-C.S.J.M. University Kanpur, during academic year 2023-2024 (semester-VIII).

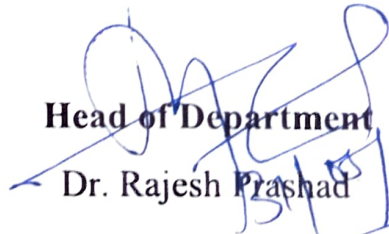
Date: 16/05/2024

Place: Kanpur


Project Guide

Er. Yastuti Rao Gautam

Department Of Mechanical Engineering,
UIET CSJM University Kanpur


Head of Department

Dr. Rajesh Prasad

Department Of Mechanical
Engineering, UIET CSJM-
University Kanpur

CERTIFICATE

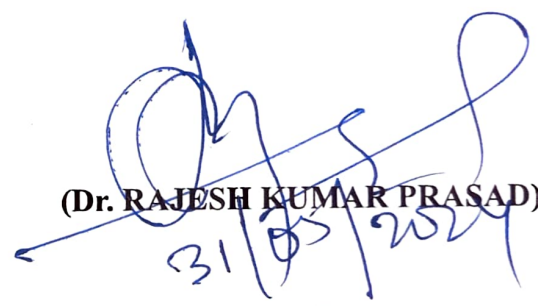
This is to certify that the project entitled “INVESTIGATION ABOUT MACHINING ISSUES IN TURNING OPERATION OF EN-24 STEEL” has been submitted by- (Jyod Mohmmad) (Roll No: CSJMA20001390298), (Vikash Kumar Verma) (Roll No: CSJMA20001390327), (Maneesha Rani) (Roll No: CSJMA20001390305), (Shahil Ahmad khan) (Roll No: CSJMA200013903316) under my guidance in fulfilment for the award of the degree of Bachelor of Technology in Mechanical Engineering of U.I.E.T, CSJMU, KANPUR during the academic year 2020-2024 (Semester 8th).

Date: /05/2024

Place: Kanpur


(Er. MUKESH KUMAR VERMA)

Guide:


(Dr. RAJESH KUMAR PRASAD)

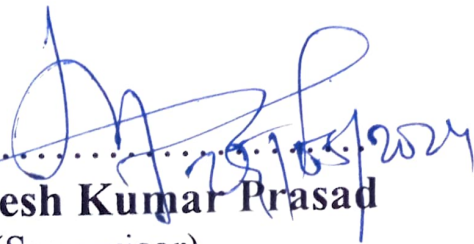
H.O.D Mechanical Department

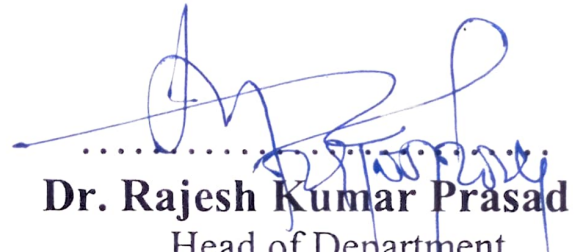
CERTIFICATE

This is to certify that the project entitled “**Programming simulation of NO_x formation in pure hydrogen fuelled engine**” **ADITI KUSHWAHA (CSJMA20001390268), ARNAV SINGH (CSJMA20001390280), AWENEESH PAL (CSJMA20001390286) AYUSHI BAJPAI (CSJMA20001390289)** for the award of Bachelor of Technology in Mechanical engineering of University institute of engineering and technology, CSJM University, Kanpur during the academic year 2023-2024.

Date: - 16/05/2024

Place: - Kanpur


.....
Dr. Rajesh Kumar Prasad
(Supervisor)

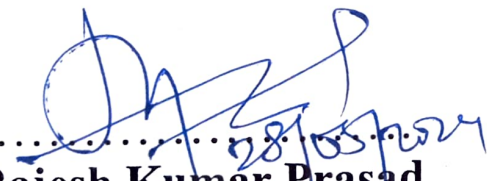

.....
Dr. Rajesh Kumar Prasad
Head of Department
Mechanical Engineering

CERTIFICATE

This is to certify that the project entitled “**Simulation of the NO_x emission of the HCNG fueled SI engine**” has been submitted by KUMAR MANGALAM (CSJAM20001390302), RITIK YADAV (CSJMA20001390311), DEEP KUMAR (CSJMA20001390291), SHASHANK YADAV (CSJMA20001390318) under my guidance in fulfillment for the award of Bachelor of Technology in Mechanical engineering of University institute of engineering and technology, CSJM University ,Kanpur during the academic year 2023-2024.

Date: -28/05/2024

Place: - Kanpur


.....
Dr. Rajesh Kumar Prasad
(Guide)


.....
Dr. Rajesh Kumar Prasad
Head Of Department
Mechanical Engineering