



V.S.B. ENGINEERING COLLEGE
 (An Autonomous Institution)
 (Anna University Recognized Research Institute)
 Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai
 NBA Accredited Courses, Accredited by NAAC



TNEA CODE
2 6 2 2

EDITION

2024-2025 EVEN



NEWSLETTER

**DEPARTMENT OF
 MECHANICAL
 ENGINEERING**



CHAIRMAN'S MESSAGE



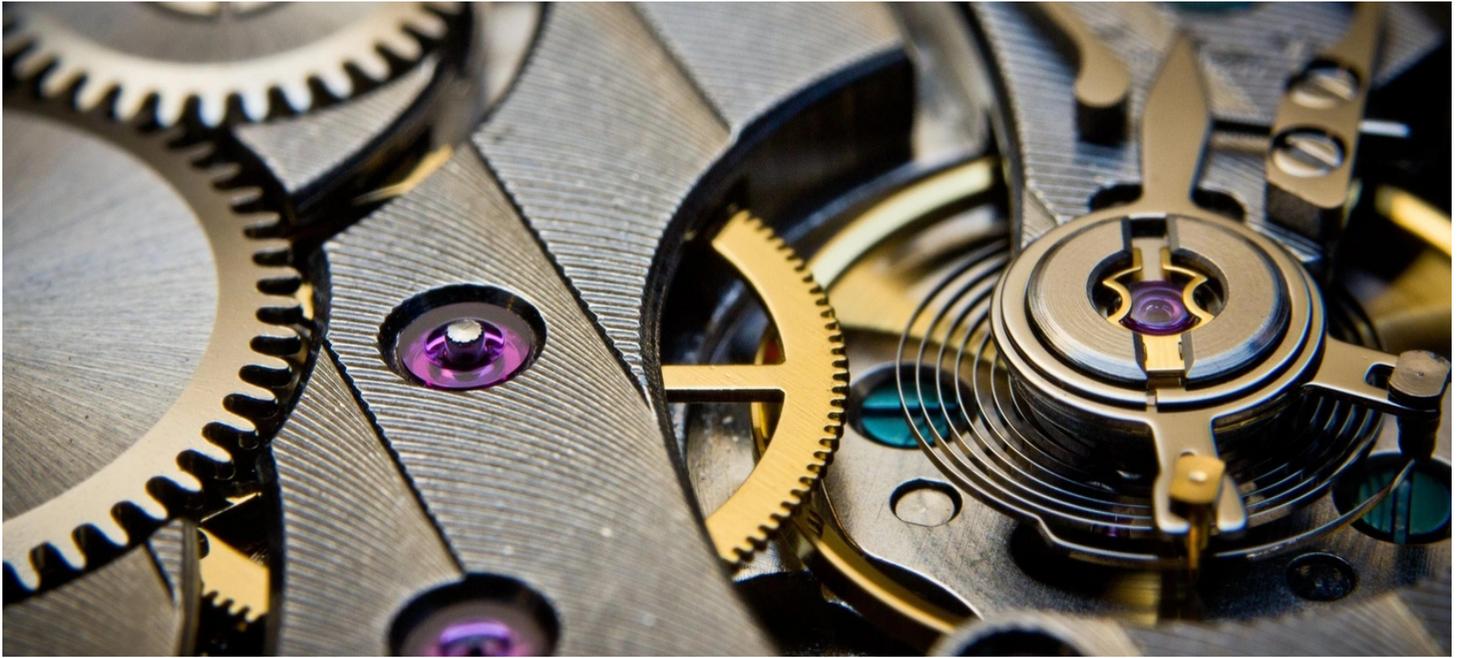
Shri. V.S. Balsamy
Founder's Message

Warm Greetings

Our Institution, a temple of learning and a hallmark of discipline, treads towards the zenith of glory by preferring the education of global standards in the best quality and variety, and substantiates to be a benchmark among all the colleges in India. The College Management, the members of the faculty and all other employees travail together with the resolution of grading our College at the topmost rung of the ladder of education. Within a short span of time, we have provided the students with all the requirements as necessitated by the University Norms. We give an impetus for ever to our V.S.B. Engineering College.

I cordially greet all the students, who strive for academic and moral excellence, to be a part of the V.S.B.Educational family and to graduate successfully as world-class professionals. I do always solicit the entrepreneurs / recruiters to conduct campus recruitment drive in our institution and I assure that our students will ascertain their expertise in the organizations in which they are recruited for mutual development.

OUR VISION & MISSION



VISION

To produce quality Human Resources in Mechanical Engineering through excellence in Teaching and innovative projects and thus to serve the society.

MISSION

1. To impart quality education through the State-of-the-art facilities
2. To motivate the students to pursue Higher education.
3. To promote research activities by encouraging the faculty and students to carry out projects.
4. To encourage the students to acquire entrepreneurial skills for the betterment of the Society

MAIN FEATURES

About the Department

Vision & Mission

Message From HOD

Faculty Messages

Student's Topper List

Result

Placement Record's

Faculty Activities

Student Activities Sports

FACULTY MESSAGE



Dr. T. Venkatamuni,
Professor,

I strongly encourage you to obtain membership in professional bodies such as ASME, SAE, ISTE, etc. These platforms enable valuable interactions with industry leaders and provide opportunities to participate in prestigious national-level events. Remember, education is not merely about gaining knowledge—it is about applying that knowledge to make a meaningful difference.

EDITORIAL MESSAGE



Mr. S. Vinoth Kumar, M.E., (Ph.D.)
Assistant Professor,
Thermal Engineering

"You Are The Virtuosos Of Your Own Odyssey, And Each Day Presents A Novel Opportunity To Construct A More Resplendent Tomorrow. Embrace The Intricacies Of Learning, Cultivate Resilience, And Foster A Symbiotic Community. Your Potential Is Boundless, And I Am Eager To Witness The Magnificent Accomplishments That Will Be Your Legacy. Persevere, Strive For Excellence, And Illuminate The World With Your Erudition!"

STUDENT EDITORIAL MESSAGE



"With every problem you solve, you become a master of mechanical solutions".

- III Year Mech.



DEPARTMENT TOPPERS

Congratulations to all the Toppers

I YEAR



R. DHANASEKARAN
CGPA : 8.61



K.V. RANJITH KUMAR
CGPA : 8.696



R. NAVEEN RAJA
CGPA : 7.957

II YEAR



G. DEVANESAN
CGPA : 9.02



P. BHARANIDHARAN
CGPA : 8.722



M. SIVA SARATHY
CGPA : 8.514

III YEAR



ILAKKIYA N
CGPA : 9.402



MOHAMED MUHAIDEEN RAJIQ S
CGPA : 8.864



AJAY S
CGPA : 8.621



MAHA KAVIN E
CGPA : 8.61

IV YEAR



MOHAMED KAMALSHA K
CGPA : 8.956



SUNIL KUMAR S
CGPA : 8.684



KARTHICK RAJA S
CGPA : 8.779

RESULT ANALYSIS OF END SEMESTER EXAMINATIONS

Result Analysis of End Semester Examinations
(April/May 2025 EVEN sem)

YEAR / CLASS	APPEARED	TOTAL APPEARED	PASSE D	Year wise Overall %
I Mech	63	63	26	41.27
II Mech	58	58	31	53.45
III Mech A	80	79	59	74.68
IV Mech A	61	61	61	100.00
Overall Pass %	262	261	177	67.82

PLACEMENT STUDENTS

STUDENTS PLACED IN 3 COMPANIES



MOHAMED KAMALSHA K
TIRUPPUR
ROBERT BOSCH (4.5 LPA),
CAPGEMINI (4.25 LPA), MAXOP (4 LPA)



KAVIYARASU S
DINDIGUL
CAPGEMINI (4.25 LPA), COGNIZANT (4 LPA),
MAXOP (4 LPA)



KARTHIKEYAN R
TIRUPPUR
CAPGEMINI (4.25 LPA), MAXOP (4 LPA),
QUEST GLOBAL (3.25 LPA)

STUDENTS PLACED IN 2 COMPANIES



RAVIKUMAR R
DINDIGUL
SPIC (5 LPA), ROBERT BOSCH (4.5 LPA)



AADHITHYAN G
MAYILADUTHURAI
ROBERT BOSCH (4.5 LPA), MAXOP (4 LPA)



PREMKUMAR P
THENI
CAPGEMINI (4.25 LPA), QUEST GLOBAL (3.25 LPA)



VISHVA V
ARIYALUR
RENACON (4.14 LPA), BHARATH FORGE (3 LPA)

STUDENTS PLACED IN 1 COMPANY



SARAVANAKUMAR N A
VIRUDHUNAGAR
SPIC (5 LPA)



GOKULAKRISHNAN A
KARUR
EMERSON (5 LPA)



SIVASURYA T
ERODE
EMERSON (5 LPA)



SUNIL KUMAR S
THENI
LTI MINDTREE (4.5 LPA)



NAVEEN M
KARUR
CAPGEMINI (4.25 LPA)



GOBI N
DINDIGUL
CAPGEMINI (4.25 LPA)



HARISH T
DINDIGUL
CAPGEMINI (4.25 LPA)



PUVANRAJ P
KARUR
RENACON (4.14 LPA)



KIRAN S
KARAIKUDI
RENACON (4.14 LPA)



ARUNKUMAR T
MADURAI
SHM (4 LPA)



KANNAN P
KARUR
SHM (4 LPA)



KALEESHWARA KUMAR A
DINDIGUL
QUEST GLOBAL (3.25 LPA)



VENKATESAN M
THENI
QUEST GLOBAL (3.25 LPA)



MANOJ S
TIRUPPUR
QUEST GLOBAL (3.25 LPA)



RAJESH T
KARUR
QUEST GLOBAL (3.25 LPA)



HARIHARAN S
THENI
BHARATH FORGE (3 LPA)



MOKESH M
THENI
BHARATH FORGE (3 LPA)



NANDHAKUMAR S
THENI
BHARATH FORGE (3 LPA)



ANBARASU C
DINDIGUL
QUEST GLOBAL (3.25 LPA)



YAVINDRAPRABHU N
COIMBATORE
REDLANDS (3 LPA)



VASANTHA KUMAR K
KARUR
AMARA RAJA (4 LPA)



SRINIVASH S
KARUR
AMARA RAJA (4 LPA)

LIST OF FACULTY MEMBERS



Dr. T.S. Kirubashankar, M.E., Ph.D.
Assistant Professor,
Composite, Material Characterization

Dr. K.R. Thangadurai, M.Tech., Ph.D.
Professor,
Material and Composite Development,
Machining, Optimization



Dr. J. Selvakumar, M.E., Ph.D.
Professor,
Fatigue, Fracture Mechanics,
Mathematical Modeling

Dr. T. Kanagaraju, M.E., Ph.D.
Associate Professor,
Metal Cutting Process,
Cryogenic Machining



Dr. Natesh.M, M.E., Ph.D.
Assistant Professor,
Welding, Material Characterization

Dr. D. Amrishraj, M.E., Ph.D.
Assistant Professor,
Tribology, Metallurgy,
Additive Manufacturing



Dr. V. Velumani, M.E., Ph.D.
Assistant Professor,
IC Engine Bio Diesel



LIST OF FACULTY MEMBERS



Mr. A. Selvarasu, M.E., (Ph.D.)
Assistant Professor,
Engineering Design

Mr. S. Vinoth Kumar, M.E., (Ph.D.)
Assistant Professor,
Thermal Engineering



Mr. M. Dhanapal, M.E., (Ph.D.)
Assistant Professor,
Materials

Mr. A. Captan Prabakaran, M.E., (Ph.D.)
Assistant Professor,
3D printing



Mr. D. Suresh, M.E., (Ph.D.)
Assistant Professor,
Industrial Engineering

Mr. V. Vetrivelan, M.E., (Ph.D.)
Assistant Professor,
FEA, Composites, Design



LIST OF FACULTY MEMBERS



Mr. P. Devaraj, M.E.,
Assistant Professor,
Strength of Materials



Mr. N. Kapil Dev, M.E.,
Assistant Professor,
Automobile Engineering



Mr. G. Navaneethakrishnan, M.E.,
Assistant Professor,
Engineering Design



Mr. S. Pragash, M.E.,
Assistant Professor,
Thermal Engineering



Mr. K. Rajasekar, M.E.,
Assistant Professor,
Engineering Design



Mr. G. Vairamani, M.E.
Assistant Professor,
Composites



FACULTY NPTEL COURSE RESULT

S.No.	Name of the Students	Subject Name	Duration	Marks
NPTEL Course Details				
1	M.NATESH	THEORY AND PRACTICE OF NON DESTRUCTIVE TESTING	JAN-MAR 2025	52%



NPTEL ONLINE CERTIFICATION

(Funded by the MoE, Govt. of India)



This certificate is awarded to
NATESH M
for successfully completing the course



Theory and Practice of Non Destructive Testing

with a consolidated score of **52** %

Online Assignments	21.08/25	Proctored Exam	31/75
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Total number of candidates certified in this course: **84**

Prof. Andrew Thangaraj
Chair
Centre for Outreach and Digital Education, IITM

Jan-Mar 2025
(8 week course)

Prof. Vignesh Muthuvijayan
NPTEL Coordinator
IIT Madras



Indian Institute of Technology Madras



Roll No: NPTEL25MM29S544200027

To verify the certificate



No. of credits recommended: 2 or 3

FACULTY PUBLICATION

S. No	Name of the faculty	Title of the paper	Journal name	Page number
1	KOKULASANDHIYA.P	Development of a Rotating Gate-Based Electricity Generation System	INTERNATIONAL JOURNAL OF INNOVATIVE RESEARCH IN TECHNOLOGY	1
2	S. MUTHUKUMAR	Design And Develop an Electric Hover Board Using Relay	INTERNATIONAL JOURNAL OF INNOVATIVE RESEARCH IN TECHNOLOGY	2
3.	N.DURAIMURUGAN	Performance Analysis of Turning Operation Parameters Empirically Nano Cutting Fluid	International Journal of All Research Education and Scientific Methods (IJARESM)	3
4	G.VAIRAMANI	Intelligent Smart Step Design for Aged Individuals with Stable Automation	INTERNATIONAL JOURNAL OF INNOVATIVE RESEARCH IN TECHNOLOGY	4
5	D.SURESH	Enhancing Consumer Sentiment Analysis and Product Improvement with Aspect-Optimized Adaptive GCN (AOA-GCN)	2024 International Conference on Integrated Intelligence and Communication Systems (ICIICS)	5
6	T.KANAGARAJU	Experimental and computational investigation of drilling parameters and cooling conditions on super-duplex stainless steel 2507	J Process Mechanical Engineering SAGE Part E	6
7	Dr.T.VENKATAMUNI	Combustion Dynamics and flame propagation in natural gas and synthetic fuel blends. A detailed thermo chemical analysis	Oxidation communications	7
8	Dr.T.VENKATAMUNI	Synthesis and characterization of polyactic acid (PLA) composite reinforced with natural fibres for green plastic applications	Oxidation communications	8
9.	Dr.D. SURESH	Ai-Optimised E-Waste management using deep reinforcement learning to enhance recycling efficiency in smart cities	Journal of Environmental Protection and Ecology	9

Enhancing Consumer Sentiment Analysis and Product Improvement with Aspect-Optimized Adaptive GCN (AOA-GCN)

1st Sivakumar Annamalai
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Excel Engineering College
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4th S. Yuvaraj
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2nd T. Nandhini Priya
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Electronics Engineering
Excel Engineering College
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3rd N. Basker
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Abstract—The exponential growth in online reviews offers a company the most precious source of information regarding the customers' emotions and potential product improvement areas. However, it is very challenging to derive meaningful information from the unstructured data. The work presents a new model called Aspect-Optimized Adaptive GCN (AOA-GCN), which combines hierarchical structuring with aspect-based optimization for effective consumer sentiment analysis. The AOA-GCN applies a two-level analysis framework that covers both global sentiments and detailed aspect-specific sentiments in order to build a full understanding of the customer review. The model is essentially based on an Adaptive Lightweight GCN with pruning techniques, ensuring that it does not only reduce computations but also takes into account influential aspects along with its high accuracy, even across extended datasets. Dynamic attention in AOA-GCN will help make critical product features in the customer reviews focus on the issues so improvements can be made on those products specifically. Experimental results show that the improved performance is actually as high as 6.45% over global sentiment classification, 9.12% over aspect-based sentiment analysis, and 7.35% over cross-domain generalization, and training time is reduced by 35%. The model also exhibits improved interpretability with clearer insights into customer preferences. The proposed AOA-GCN becomes an effective, efficient, and interpretable business tool for optimizing products through insights from consumers.

Keywords—consumer sentiment analysis, aspect-based sentiment analysis, graph convolutional networks, product improvement, deep learning, computational efficiency.

I. INTRODUCTION

Consumer sentiment is one of the most important factors driving product development and marketing strategy in the age of digital transformation. With the explosion of online reviews and social media interactions, businesses have an unprecedented ability to tap into customer opinions and experiences. Understanding these sentiments will allow organizations to improve their products, increase customer satisfaction, and remain competitive in the market. The tools becomes a need as more and more consumers begin using social media platforms to voice the feedback on different products, the demand for good quality sentiment analysis [1]. Traditional methodologies employed in sentiment analysis are

generally of the rule-based and keyword-driven types and therefore are very simplistic and narrow in scope. For example, it classify sentiments as either negative, positive, or neutral without going any further to get into minute details of what customers really want to say about a certain aspect of a product [2]. Thus, it might miss some of the most critical subtleties such as the feelings associated with different aspects of a product, such as quality, functionality, and customer service. It gives lack of granularity to prevent businesses from making decisions based on the information from customers.

Even though the advancements in natural language processing and machine learning are remarkable, several challenges persist in traditional approaches to sentiment analysis. These include failure to aptly capture context, an inability to handle sarcasm, and an inability to make a distinction between the sentiments associated with different product attributes. These requirements pose a challenge in terms of the innovation of approaches to enhance sentiment analysis capabilities. It proposes a lightweight hierarchical model known as Aspect-Optimized Adaptive GCN (AOA-GCN), which surpasses the limitations of traditional methods. By incorporating aspect-based optimization and dynamic attention mechanisms, AOA-GCN enables global and aspect-wise comprehensive consumer sentiment understanding. The model not only gives accuracy and interpretability but also enhances computational efficiency so that businesses can use consumer feedback in targeted product improvements [3, 4].

The main contributions of the proposed work are listed below.

- The proposed AOA-GCN architecture introduces a hierarchical model with the aspect-based sentiment analysis combined with graph convolutional networks that significantly enhance consumer sentiment across various product features.
- A dynamic attention mechanism is applied to improve the interpretability of the feature selection, emphasizing influential aspects from customer feedback and highlighting, thus focusing on critical features in reviews of products.
- The model shows better performance improvements, with relative F1-score improvements of 6.45% for

Experimental and computational investigation of drilling parameters and cooling conditions on super-duplex stainless steel 2507

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J Process Mechanical Engineering
1–13
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T Kanagaraju¹ , R Vimal Samsingh² , Amos Gamaleal David³ ,
Achyuth Ramachandran⁴  and Anirudh Selvam⁵ 

Abstract

This manuscript studies various process parameters like cutting velocity, feed rate, and cooling condition (dry, cryogenic, and emulsion) during drilling experiments performed on super-duplex stainless steel (SDSS) 2507 with coated and uncoated drill bits. The thrust force ranged from a minimum of 878.8 N (uncoated tool and emulsion cooling) to a maximum of 2500.1 N (uncoated tool and dry cooling), while torque values ranged from 19.87 to 2249.6 Nm under varying conditions. It was observed that thrust force and torque increased with higher feed rates and reduced with higher cutting velocities. Emulsion cooling consistently produced the lowest reactions, with an average reduction of 43% in thrust force compared to dry cooling, while dry drilling resulted in the highest forces and torques due to increased friction and heat. The use of a coated tool reduced the thrust force by up to 1.2% on average compared to uncoated tools under the same conditions. All three parameters studied (cutting velocity, feed rate and cooling condition) had statistically significant effects on thrust force ($p \leq 0.05$), while torque was mainly influenced by feed rate and cooling condition, with a lesser effect from cutting velocity ($p \approx 0.06$). The manuscript also presents the use of various computer-based modelling methods, including linear regression ($R^2 = 0.9357$ for thrust force), exponent-law relations ($R^2 = 0.9854$ for thrust force, 0.9375 for torque), artificial neural networks (mean error of 0.11% for thrust force, 0.3% for torque), and fuzzy-logic inference systems ($R^2 = 0.9927$ for thrust force, 0.9935 for torque), to model the outputs' behaviour in relation to the input with remarkable precision.

Keywords

SDSS 2507, drilling, cryogenic cooling, fuzzy logic, artificial neural network

Date received: 16 December 2024; accepted: 8 March 2025

Introduction

Duplex stainless steels (DSS) are a class of stainless steels that contain iron-carbon phases austenite (γ -Fe) and ferrite (α -Fe) in approximately equal measure.¹ DSS as a result exhibit attributes that are similar to both austenitic and ferritic stainless steels. In terms of corrosion resistance, they have higher resistance values similar to typical austenitic stainless steels like Type 304 or 316. They exhibit higher corrosion resistance particularly to corrosion effects like chloride stress corrosion and pitting corrosion. Duplex steels also have higher strength than 300 series stainless steels, in addition to better corrosion resistance.²

Conventional drilling methods often lead to rapid tool degradation and high machining costs. To address these issues, cryogenic cooling has gained attention as a sustainable and efficient cooling technique. Unlike traditional flood cooling, which uses large volumes of liquid coolants, cryogenic cooling employs liquefied gases such as

liquid nitrogen (LN_2) or carbon dioxide (CO_2) to enhance heat dissipation. This significantly reduces tool wear, improves surface integrity and increases machining efficiency.

While cryogenic cooling has shown promise in improving machining performance, predicting and

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²Department of Mechanical Engineering, SSN College of Engineering, Chennai, India

³Department of Mechanical Engineering, Panimalar Engineering College, Chennai, India

⁴Technical University of Saargart, Saargart, Germany

⁵The University of Texas at Austin, Austin, TX, USA

Corresponding author:

Amos Gamaleal David, Department of Mechanical Engineering, Panimalar Engineering College, Chennai 600123, Tamil Nadu, India.
Email: amogamadavid@gmail.com

COMBUSTION DYNAMICS AND FLAME PROPAGATION IN NATURAL GAS AND SYNTHETIC FUEL BLENDS: A DETAILED THERMOCHEMICAL ANALYSIS

ISHRAT MEERA MIRZANA^{a*}, RAVITEJA SURAKASI^b, S. VINODHA^c,
T. VENKATAMUNI^d, ITHA VEERANJANEYULU^e, AVINASH KUMAR^f,
G. RATHINASABAPATHI^g, A. RAJENDRA PRASAD^h,
JIM MATHEW PHILIPⁱ, RAJARAM AYYASAMY^j

^a*Department of Mechanical Engineering, Muffakham Jah College of Engineering and Technology, Hyderabad, Telangana 500 034, India*

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^c*Department of Civil Engineering, Jayaraj Annapackiam CSI College of Engineering, Thoothukudi, Tamil Nadu 628 617, India*

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^f*Department of Mechanical Engineering, Cambridge Institute of Technology, Ranchi, Jharkhand 835 103, India*

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^h*Department of Mechanical Engineering, Sri Sai Ram Engineering College, Chennai, Tamil Nadu 600 044, India*

ⁱ*Department of Computer Science and Engineering, Sri Ramakrishna Institute of Technology, Coimbatore, Tamil Nadu, India*

^j*Department of Electronics and Communication Engineering, E.G.S Pillay Engineering College, Nagapattinam, Tamilnadu, 611 002, India*

ABSTRACT

This research aims at establishing combustion characteristics and fire front propagation of natural gas with synthetic fuels such as hydrogen, syngas, and biofuels, majoring in thermochemistry. The experimental studies were carried out in a constant volume combustion chamber with high-speed imaging and laser-induced fluorescence to measure flame front velocities and ignition delay under a range of pressures (1–5 bar)

* For correspondence.

FACULTY PHD

S.NO	FACULTY NAME	TITLE OF THE THESIS	DATE	IMAGE
01	M.DHANABAL	DEVELOPMENT OF SELF LUBRICATION CUO/ZTA CERAMIC COMPOSITES FOR MACHINABILITY EVALUATION	24.02.2025	
02	A.CAPTAIN PRABAKARAN	EFFECT OF POST PROCESSING ON THE SURFACE CHARACTERISTICS, MECHANICAL AND TRIBOLOGY BEHAVIOUR OF 3D PRINTED ACRYLONITRILE STYRENE ACRYLATE PARTS	09.04.2025	

AICTE-QIP-PG CERTIFICATION

S.NO	NAME OF THE FACULTY	PROGRAM	IMAGE
01	M.DHANABAL	ARTIFICIAL INTELLIGENCE AND DATA SCIENCE @IIIT KOTTAYAM	

STUDENTS NPTEL COURSE

S.No.	Name of the Students	Subject Name	Duration	Marks
NPTEL Course Details				
1.	Eswarabalaji V	Inspection And Quality Control In Manufacturing	Jan-Feb 2025	53%
2.	Abinesh V	Inspection And Quality Control In Manufacturing	Jan-Feb 2025	53%
3.	Kannan R G	Inspection And Quality Control In Manufacturing	Jan-Feb 2025	55%
4.	Ramanujam	Advanced Machining Processes	Jan-Apr 2025	67%
5.	Mohamed Muhaideen Rajiq S	Fundamentals of Automotive Systems	Jan-Apr 2025	62%
6.	Yuvan Sri G	Fundamentals of Automotive Systems	Jan-Apr 2025	55%

STUDENTS NPTEL COURSE RESULT



NPTEL ONLINE CERTIFICATION

(Funded by the MoE, Govt. of India)

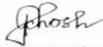
This certificate is awarded to
ESWARABALAJI V
for successfully completing the course

Inspection And Quality Control In Manufacturing

with a consolidated score of **53** %

Online Assignments	22.5/25	Proctored Exam	30/75
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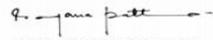
Total number of candidates certified in this course: **642**


Prof. Kaushik Ghosh,
Professor (Chemistry)
Coordinator CEC

Jan-Feb 2025
(4 week course)


Skill India
कौशल भारत - कुशल भारत




Prof. Ranjana Pathania,
Professor (BSBE)
Coordinator (NPTEL)



Indian Institute of Technology Roorkee



Roll No: NPTEL25ME39S644200084

To verify the certificate



No. of credits recommended: 1 or 2



NPTEL ONLINE CERTIFICATION

(Funded by the MoE, Govt. of India)

This certificate is awarded to
ABINESH V
for successfully completing the course

Inspection And Quality Control In Manufacturing

with a consolidated score of **53** %

Online Assignments	22.5/25	Proctored Exam	30/75
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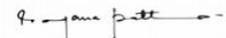
Total number of candidates certified in this course: **642**


Prof. Kaushik Ghosh,
Professor (Chemistry)
Coordinator CEC

Jan-Feb 2025
(4 week course)


Skill India
कौशल भारत - कुशल भारत




Prof. Ranjana Pathania,
Professor (BSBE)
Coordinator (NPTEL)



Indian Institute of Technology Roorkee



Roll No: NPTEL25ME39S644200120

To verify the certificate



No. of credits recommended: 1 or 2



NPTEL ONLINE CERTIFICATION

(Funded by the MoE, Govt. of India)

This certificate is awarded to
KANNAN R G
for successfully completing the course

Inspection And Quality Control In Manufacturing

with a consolidated score of **55** %

Online Assignments	23.33/25	Proctored Exam	31.5/75
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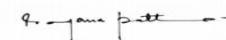
Total number of candidates certified in this course: **642**


Prof. Kaushik Ghosh,
Professor (Chemistry)
Coordinator CEC

Jan-Feb 2025
(4 week course)


Skill India
कौशल भारत - कुशल भारत




Prof. Ranjana Pathania,
Professor (BSBE)
Coordinator (NPTEL)



Indian Institute of Technology Roorkee



Roll No: NPTEL25ME39S544200046

To verify the certificate



No. of credits recommended: 1 or 2



Elite NPTEL ONLINE CERTIFICATION

(Funded by the MoE, Govt. of India)



कौशल भारत - कुशल भारत

This certificate is awarded to
MOHAMED MUHAIDEEN RAJIQ S
for successfully completing the course



Fundamentals of Automotive Systems

with a consolidated score of **62** %

Online Assignments	25/25	Proctored Exam	36.75/75
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Total number of candidates certified in this course: **608**

Prof. Andrew Thangaraj
Chair
Centre for Outreach and Digital Education, IITM

Jan-Apr 2025
(12 week course)

Prof. Vignesh Muthuvijayan
NPTEL Coordinator
IIT Madras



Indian Institute of Technology Madras



Roll No: NPTEL25DE02S549000660

To verify the certificate



No. of credits recommended: 3 or 4



Elite NPTEL ONLINE CERTIFICATION

(Funded by the MoE, Govt. of India)



कौशल भारत - कुशल भारत

This certificate is awarded to
RAMANUJAM
for successfully completing the course



Advanced Machining Processes

with a consolidated score of **67** %

Online Assignments	21.19/25	Proctored Exam	45.75/75
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Total number of candidates certified in this course: **555**

Prof. B. V. Ratish Kumar
Chairman, Centre for Continuing Education
IIT Kanpur

Jan-Apr 2025
(12 week course)

Prof. Satyaki Roy
NPTEL Coordinator
IIT Kanpur



Indian Institute of Technology Kanpur



Roll No: NPTEL25ME02S559100157

To verify the certificate



No. of credits recommended: 3 or 4



NPTEL ONLINE CERTIFICATION

(Funded by the MoE, Govt. of India)



कौशल भारत - कुशल भारत

This certificate is awarded to
YUVAN SRI G
for successfully completing the course



Fundamentals of Automotive Systems

with a consolidated score of **55** %

Online Assignments	25/25	Proctored Exam	30/75
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Total number of candidates certified in this course: **608**

Prof. Andrew Thangaraj
Chair
Centre for Outreach and Digital Education, IITM

Jan-Apr 2025
(12 week course)

Prof. Vignesh Muthuvijayan
NPTEL Coordinator
IIT Madras



Indian Institute of Technology Madras



Roll No: NPTEL25DE02S649000135

To verify the certificate



No. of credits recommended: 3 or 4

APPRECIATE PRIZE WINNERS



OTHER COLLEGE EVENTS PRIZE WINNER

S. NO	Name of the student	College name	competition	prizes
01	K.V.RANJITH KUMAR	P.A.COLLEGE,KPR COLLEGE, KIT COLLEGE	PROJECT PITCH, PROJECT PRESENTATION, PAPER PRESENTATION	2 nd PRIZE
02	P.JALANTHAR	P.A COLLEGE, KIT COLLEGE	PROJECT PITCH,PAPER PRESENTATION	2 nd PRIZE
03	B.KAMALESH	P.A COLLEGE,KIT COLLEGE	PROJECT PITCH, PAPER PRESENTATION	2 nd PRIZE
04	K.NITHISH	P.A COLLEGE,KPR COLLEGE, KIT COLLEGE	PROJECT PITCH, PROJECT PRESENTATION,PAPER PRESENTATION	2 nd PRIZE
05	VASANTHA KUMAR	NPR COLLEGE	ADFERRO	3 RD PRIZE
06	K.KAVIN KUMAR	KIT COLLEGE	FREE FIRE	2 ND PRIZE
07	B.SUJITH	KIT COLLEGE	FREE FIRE	2 ND PRIZE



KIT- KALAINARKARUNANIDHI INSTITUTE OF TECHNOLOGY

An Autonomous Institution, Coimbatore - 641402.
Approved by AICTE and Affiliated to Anna University, Chennai

Certificate OF APPRECIATION

This is to certify that Mr./Ms. KAMALESH..B......
of I/II/III/IV year.....VSB..ENGINEERING..COLLEGE.....
has participated / won I/II/III Prize in the event.....PAPER..PRESENTATION.....
at **UDHAYAM'25** - An Intercollegiate Technical and Cultural Fest held on 01 March 2025.

Principal



CEO



KIT- KALAINARKARUNANIDHI INSTITUTE OF TECHNOLOGY

An Autonomous Institution, Coimbatore - 641402.
Approved by AICTE and Affiliated to Anna University, Chennai

Certificate OF APPRECIATION

This is to certify that Mr./Ms. RANJITH.KUMAR..K.V......
of I/II/III/IV year.....VSB..ENGINEERING..COLLEGE.....
has participated / won I/II/III Prize in the event.....PAPER..PRESENTATION.....
at **UDHAYAM'25** - An Intercollegiate Technical and Cultural Fest held on 01 March 2025.

Principal



CEO



KIT- KALAINARKARUNANIDHI INSTITUTE OF TECHNOLOGY

An Autonomous Institution, Coimbatore - 641402.
Approved by AICTE and Affiliated to Anna University, Chennai

Certificate OF APPRECIATION

This is to certify that Mr./Ms. NITHISH..K......
of I/II/III/IV year.....VSB..ENGINEERING..COLLEGE.....
has participated / won I/II/III Prize in the event.....PAPER..PRESENTATION.....
at **UDHAYAM'25** - An Intercollegiate Technical and Cultural Fest held on 01 March 2025.

Principal



CEO



KIT- KALAINARKARUNANIDHI INSTITUTE OF TECHNOLOGY

An Autonomous Institution, Coimbatore - 641402.

Approved by AICTE and Affiliated to Anna University, Chennai

Certificate OF APPRECIATION

This is to certify that Mr./Ms. JALANTHAR. P.
 of I/II/III/IV year..... VSB ENGINEERING COLLEGE.....
 has participated / won I/II/III Prize in the event..... PAPER PRESENTATION.....
 at **UDHAYAM'25** - An Intercollegiate Technical and Cultural Fest held on 01 March 2025.

Principal

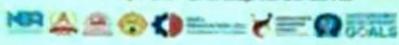


CEO



NPR COLLEGE OF ENGINEERING AND TECHNOLOGY (AN AUTONOMOUS INSTITUTION)

WBS Accredited B.E. - EEE, ECE, EED & Mechanical Engg. | Accredited by NAAC with 'B' Grade | Recognized by UGC under 2(F)
 ISO 9001:2015 Certified | Approved by All India Council For Technical Education, New Delhi | Affiliated to Anna University, Chennai
 NPR Nagar, Natham - 641 453, Coimbatore Dist., Tamil Nadu, India.



Yuvasakthi 2K25 A NATIONAL LEVEL TECH FEST

Lead Creatively. Forge Innovations.

CERTIFICATE

This is to certify that Mr./Ms. VASATHA KUMAR. G1 (I - MECH)
 of VSB COLLEGE OF ENGINEERING AND TECHNOLOGY
 has participated/won I in the event ADFERRO
 organized by NPR College of Engineering and Technology (Autonomous),
 Natham on 20.02.2025 / 21.02.2025.

DIRECTOR-ACADEMICS
(Dr. M. KARTHIGAI PANDIAN)

PRINCIPAL
(Dr. B. MARUTHU KANNAN)



KIT- KALAINARKARUNANIDHI INSTITUTE OF TECHNOLOGY

An Autonomous Institution, Coimbatore - 641402.

Approved by AICTE and Affiliated to Anna University, Chennai

Certificate OF APPRECIATION

This is to certify that Mr./Ms. [✓]...KAVIN...KUMAR...K.....
of I/II/III/IV year...V.S.B.....ENGINEERING.....COLLEGE.....
has participated / won I/II/III Prize in the event...FREE...FIRE.....
at **UDHAYAM'25** - An Intercollegiate Technical and Cultural Fest held on 01 March 2025.

Principal



CEO



KIT- KALAINARKARUNANIDHI INSTITUTE OF TECHNOLOGY

An Autonomous Institution, Coimbatore - 641402.

Approved by AICTE and Affiliated to Anna University, Chennai

Certificate OF APPRECIATION

This is to certify that Mr./Ms. [✓]...SUVITH...B.....
of I/II/III/IV year...V.S.B.....ENGINEERING.....COLLEGE.....
has participated / won I/II/III Prize in the event...FREE...FIRE.....
at **UDHAYAM'25** - An Intercollegiate Technical and Cultural Fest held on 01 March 2025.

Principal



CEO

OTHER COLLEGE EVENT PARTICIPATION

S. NO	NAME OF THE STUDENT	EVENT	COLLEGE NAME	PARTICIPATE
01	SUBASH K	Med & Tech Expo	Karpagam Academy of Higher Education	Participated
02	VETRIVENDHAN D	Med & Tech Expo	Karpagam Academy of Higher Education	Participated
03	KAMALESH B	Med & Tech Expo	Karpagam Academy of Higher Education	Participated
04	SABAREESH M	Med & Tech Expo	Karpagam Academy of Higher Education	Participated
05	VASANTHA KUMAR G	IDEACLUM	NPR College of Engineering and Technology,Natham	Participated
06	RANJITH KUMAR K V	Blind Coding	P A of Engineering and Technology	Participated
07	JALANDHAR P	Blind Coding	P A of Engineering and Technology	Participated
08	KAMALESH B	Blind Coding	P A of Engineering and Technology	Participated
09 10	NITHISH K	Blind Coding	P A of Engineering and Technology	Participated
11	JALANDHAR P	Paper Presentation	KPR Institute of Engineering and Technology	Participated
12	KAMALESH B	Paper Presentation	KPR Institute of Engineering and Technology	Participated
13	AKILAN A	Workshop	Sona College of Technology	Participated
14	DHURKESHKUMAR S	Workshop	Sona College of Technology	Participated
15	ROSHIN R S	Workshop	Sona College of Technology	Participated
16	ANANTH K	Workshop	Sona College of Technology	Participated
17	SUJITH G	Paper Presentation	Kalaignarkarunanidhi Institute of Technology	Participated
18	KAVINKUMAR K	Paper Presentation	Kalaignarkarunanidhi Institute of Technology	Participated
19	VAIRAVA SUNDARAM N	Paper Presentation	Kalaignarkarunanidhi Institute of Technology	Participated
20	JEEVISH J	Paper Presentation	Kalaignarkarunanidhi Institute of Technology	Participated
21	KAVINKUMAR K	Paper Presentation	Kalaignarkarunanidhi Institute of Technology	Participated
22	MOHAMED ASHRAF J	Paper Presentation	Kalaignarkarunanidhi Institute of Technology	Participated
23	KAVINKUMAR S	Paper Presentation	Kalaignarkarunanidhi Institute of Technology	Participated
24	NAVIN KUMAR S	Workshop	Dr.Mahalingam College of Engineering	Participated

			and Technology	
25	KAMALESH A	Workshop	Dr.Mahalingam College of Engineering and Technology	Participated
26	SIVASARATHY M	Workshop	IIT, Madras	Participated
27	MEGANATHAN S	Workshop	Sri Shakthi Institute of Engineering and Technology	Participated
28	SANTHISH T	Workshop	Sri Shakthi Institute of Engineering and Technology	Participated
29	SIRANJEEVI K	Workshop	Sri Shakthi Institute of Engineering and Technology	Participated
30	HEMANTH S	Workshop	Sri Shakthi Institute of Engineering and Technology	Participated
31	PRAGADHEESH T	Workshop	Sri Shakthi Institute of Engineering and Technology	Participated
32	DHEVANISH M A	Workshop	Sri Shakthi Institute of Engineering and Technology	Participated
33	TAMIL KANNAN K	Workshop	Sri Shakthi Institute of Engineering and Technology	Participated
34	NITHISH K	Mechnotron	Coimbatore Institute of Technology	Participated
35	RANJITHKUMAR K V	Mechnotron	Coimbatore Institute of Technology	Participated
36	SITHEESH S	Mechnotron	Coimbatore Institute of Technology	Participated
37	JALANDHAR P	Mechnotron	Coimbatore Institute of Technology	Participated
38	ABINESH V	workshop	NIT,Trichy	Participated
39	MAHILESH KUMAR S	workshop	NIT,Trichy	Participated
40	ESWARA BALAJI V	workshop	NIT,Trichy	Participated
41	VISHAL V	workshop	NIT,Trichy	Participated
42	THIRUMALAI B	Post Making	Builders Engineering College, Kangeyam	Participated
43	DIVAKAR R	Post Making	Builders Engineering College, Kangeyam	Participated
44	SUBASH K	Post Making	Builders Engineering College, Kangeyam	Participated
45	SABAREESH M	Post Making	Builders Engineering College, Kangeyam	Participated
46	ABINESH V	Paper Presentation	Anna university Regional Campus, Coimbatore	Participated
47	ABINESH V	CAD Clash	Anna university Regional Campus, 48Coimbatore	Participated
48	ESWARA BALAJI V	Paper Presentation	Anna univers49ity Regional Campus, Coimbatore	Participated
49	ESWARA BALAJI V	Tech Brainacs	Anna university Regional Campus, Coimbatore	Participated
50	ASHWIN K	Paper Presentation	Anna university Regional Campus, Coimbatore	Participated
51	ASHWIN K	Workshop	Anna university Regional Campus, Coimbatore	Participated
52	ARUN KUMAR P	Workshop	Anna university Regional Campus, Coimbatore	Participated

53	SARATHI	workshop	NIT,Trichy	Participated
54	ARUN KUMAR P	Paper Presentation	Anna university Regional Campus, Coimbatore	Participated
55	MAHILESH KUMAR S	Paper Presentation	Anna university Regional Campus, Coimbatore	Participated
56	MAHILESH KUMAR S	Tech Brainacs	Anna university Regional Campus, Coimbatore	Participated
57	BRUSOTHAMAN P	Paper Presentation	Anna university Regional Campus, Coimbatore	Participated
58	BRUSOTHAMAN P	Workshop	Anna university Regional Campus, Coimbatore	Participated
59	KANNA R G	Paper Presentation	Anna university Regional Campus, Coimbatore	Participated
60	KANNA R G	Workshop	Anna university Regional Campus, Coimbatore	Participated
61	KATHIRVELAN S	Paper Presentation	Anna university Regional Campus, Coimbatore	Participated
62	KATHIRVELAN S	Workshop	Anna university Regional Campus, Coimbatore	Participated
63	GOWTHAM B	Paper Presentation	Anna university Regional Campus, Coimbatore	Participated
64	GOWTHAM B	Workshop	Anna university Regional Campus, Coimbatore	Participated

STUDENTS INTERNSHIP / IN- PLANT TRAINING

Sl. No.	Year	Name of the STUDENTS	Name of the Company/Organiz ation	Duration
1	III	ANANTH K	SRI SHIVA SUBRAMANIYA M ENGINEERING WORKS,HOSUR	05-06-2025 to 05-07-2025
2	III	BHARANIDHARAN P	SREE SARADHAMBAL AUTOMOBILES PVT LTD-ERODE	06-06-2025 to 04-07-2025
3	III	BOOBALAN S	R.K.N AUTOMOBILES- SALEM	06-06-2025 to 04-07-2025
4	III	DHURKESHKUMAR S	YAMAHA,AANO OR AGENCIES,VELL AKOVIL	05-06-2025 to 06-07-2025
5	III	DIVISANKAR S	SREE SARADHAMBAL AUTOMOBILES PVT LTD-ERODE	06-06-2025 to 04-07-2025
6	III	KISHORE R	SRI SHIVA SUBRAMANIYA M ENGINEERING WORKS,HOSUR	05-06-2025 to 05-07-2025
7	III	MANIKANDAN V	TRANZINDIA CORPORATE NETWORK PVT LTD	05-06-2025 to 02-07-2025
8	III	MEGANATHAN M	SRI SHIVA SUBRAMANIYA M ENGINEERING WORKS,HOSUR	05-06-2025 to 05-07-2025
9	III	PRASANTH M	SRI SHIVA SUBRAMANIYA M ENGINEERING WORKS,HOSUR	05-06-2025 to 05-07-2025
10	III	ROSHIN R S	SRI SHIVA SUBRAMANIYA M ENGINEERING WORKS,HOSUR	05-06-2025 to 05-07-2025
11	III	SANJAI R	SRI SHIVA SUBRAMANIYA M ENGINEERING	05-06-2025 to 05-07-2025

STUDENTS INTERNSHIP / IN- PLANT TRAINING

			WORKS,HOSUR	
12	III	SIVANESHWARAN G	SRI SHIVA SUBRAMANIYA M ENGINEERING WORKS,HOSUR	05-06-2025 to 05-07-2025
13	III	SUDAR VENDHAN A	SRI SHIVA SUBRAMANIYA M ENGINEERING WORKS,HOSUR	05-06-2025 to 05-07-2025
14	III	SUDHARASAN V	SREE SARADHAMBAL AUTOMOBILES PVT LTD-ERODE	06-06-2025 to 04-07-2025
15	III	THIRU SELVAM V	PUDUKAI TOOLS AND DIES,COIMBATO RE	05-06-2025 to 05-07-2025
16	III	VIVIN S	SRI SHIVA SUBRAMANIYA M ENGINEERING WORKS,HOSUR	05-06-2025 to 05-07-2025
17	III	SANJITH R	SRI SHIVA SUBRAMANIYA M ENGINEERING WORKS,HOSUR	05-06-2025 to 05-07-2025
18	II	CHELLAMUTHUKU MAR .V	LEARNFLU, BANGALORE	10-06-2025 to 10-07-2025
20	II	DHANASEKARAN .R	ASTRO WEB SOLUTIONS, MADURAI	15-06-2025 to 15-07-2025
21	II	DHIVAKAR .V	LEARNFLU, BANGALORE	10-06-2025 to 10-07-2025
22	II	DIVAKAR .R	NOVITECH, COIMBATORE	05-06-2025 to 05-07-2025
23	II	EINITH..S	EITHER INFOTECH, COIMBATORE	10-06-2025 to 10-07-2025
24	II	ESRA SELVIN .J	LEARNFLU, BANGALORE	10-06-2025 to 10-07-2025
25	II	HEMNATH..S	PV ENGINEERING WORK, CHENNAI	11-06-2025 to 12-07-2025
26	II	MANOJ .P	SMART BRIDGE, CHENNAI	10-06-2025 to 10-07-2025
27	II	MONISH KUMAR.R	INTERN, BANGALORE	12-06-2025 to 12-07-2025
28	II	NAVEEN RAJA .R	LEARNFLU, BANGALORE	13-06-2025 to 13-07-2025
29	II	RAGUL .M	EITHER	10-06-2025 to

STUDENTS INTERNSHIP / IN- PLANT TRAINING

			INFOTECH, COIMBATORE	10-07-2025
30	II	SIRANJEEVI .K	HYUNDAI, TIRUPUR	10-06-2025 to 10-07-2025
31	II	SREEDARSHAN .R	DUINZ DETAILING SERVICE LTD, TRICHY	10-06-2025 to 10-07-2025
32	II	SRIVARSHAN .T	SMART BRIDGE, CHENNAI	12-06-2025 to 12-07-2025
33	II	ARAVINTH .K	PV ENGINEERING WORK, CHENNAI	11-06-2025 to 12-07-2025
34	II	DHARANISH .M.A	PV ENGINEERING WORK, CHENNAI	11-06-2025 to 12-07-2025
35	II	MOHANRAJ .S	BINARY SPOT TECHNOLOGY, COIMBATORE	10-06-2025 to 10-07-2025
36	II	PRAGADHEESH.T	PV ENGINEERING WORK, CHENNAI	11-06-2025 to 12-07-2025
37	II	SANTHISH.J	PV ENGINEERING WORK, CHENNAI	11-06-2025 to 12-07-2025

STUDENTS EXTRA CURRICULAR ACTIVITIES : (PHOTOGRAPHY EVENTS)



This picture captures the serene essence of devotion, blending faith and artistic finesse. The student has beautifully portrayed spiritual depth through thoughtful composition and symbolic details, It stands as a graceful tribute to inner peace and divine connection



This artwork showcases a temple bathed in the warm hues of an evening sky, where spirituality meets the calm of nature. The artist skillfully blends architecture with the natural gradient of orange twilight. It evokes a sense of peace, Transition and divine serenity at dusk



DIVAKAR RETHINAVEL

2nd year

Department of Mechanical Engineering



"This serene image captures the pure elegance of a white Catharanthus flower in full bloom. The student's lens focuses on its gentle form and soft petals, reflecting peace and simplicity. It's a graceful tribute to the beauty in everyday flora."



"This close-up photograph captures the delicate charm of a small white flower, beautifully contrasted by its vibrant orange pollen. The student highlights nature's subtle details with clarity and grace. It's a gentle reminder of the quiet wonders often overlooked in our surroundings."



This candid photograph captures three ducks in a natural, earthy setting, showcasing simplicity and rural charm. The student frames the moment with balance and detail, bringing life to an everyday scene. It's a warm portrayal of nature's rhythm and harmony in motion."



**Pradeep
2ND YEAR
DEPARTMENT OF
MECHANICAL ENGINEERING**



This artwork highlights the subtle charm of a lavender flower, rendered with attention to detail and color harmony. The soft lavender tones convey calmness and quiet strength. It's a fine example of how nature's elegance can be translated



This photograph captures the vertical elegance of the white snake gourd flower in its natural form. With its slender stem and intricate white petals, the image highlights the subtle beauty often missed by the naked eye. The student skillfully frames the composition to celebrate



Delicately drawn, the snake gourd flower in white reveals the lesser-known elegance of this climbing vine. Its fine, thread-like petals are portrayed with scientific charm and artistic flair. The piece bridges botanical realism and Aesthetic

**KAMALESH A
2nd year
Department of Mechanical
engineering**



SPORTS ACHIVEMENTS

ATYA PATYA FEDERATION OF INDIA

Reg. No. M/345/82/Nagpur
(Recognised by : The Department of Youth Affairs and Sports)
Govt. of India & Indian Olympic Association



37th MEN & 33rd WOMEN SENIOR NATIONAL ATYA PATYA CHAMPIONSHIP 2024-2025

(Organised By : MAHARASHTRA RAJYA ATYA PATYA MAHAMANDAL)

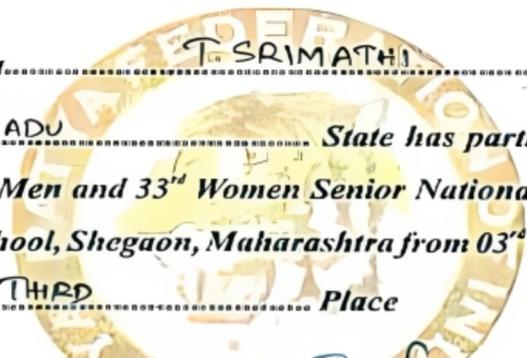


Merit / Participation Certificate

Sl. No. 128

Date of Birth 07.04.2005

This is to certify that Mr./ Ku T. SRIMATHI
of TAMIL NADU State has participated as Player / Coach /
Manager / Official in 37th Men and 33rd Women Senior National Atya Patya Championship
2024-2025 held at Mauli School, Shegaon, Maharashtra from 03rd to 05th January 2025.
He/She has secured THIRD Place



Shri. V. Sreekumar
Acting President
Atya Patya Fodorallort of India

Dr. Deepak Kavishwar
General Secretary

Dr. Babanrao Tarwade
President
Maharashtra Rajya Atya Patya Mahamandal

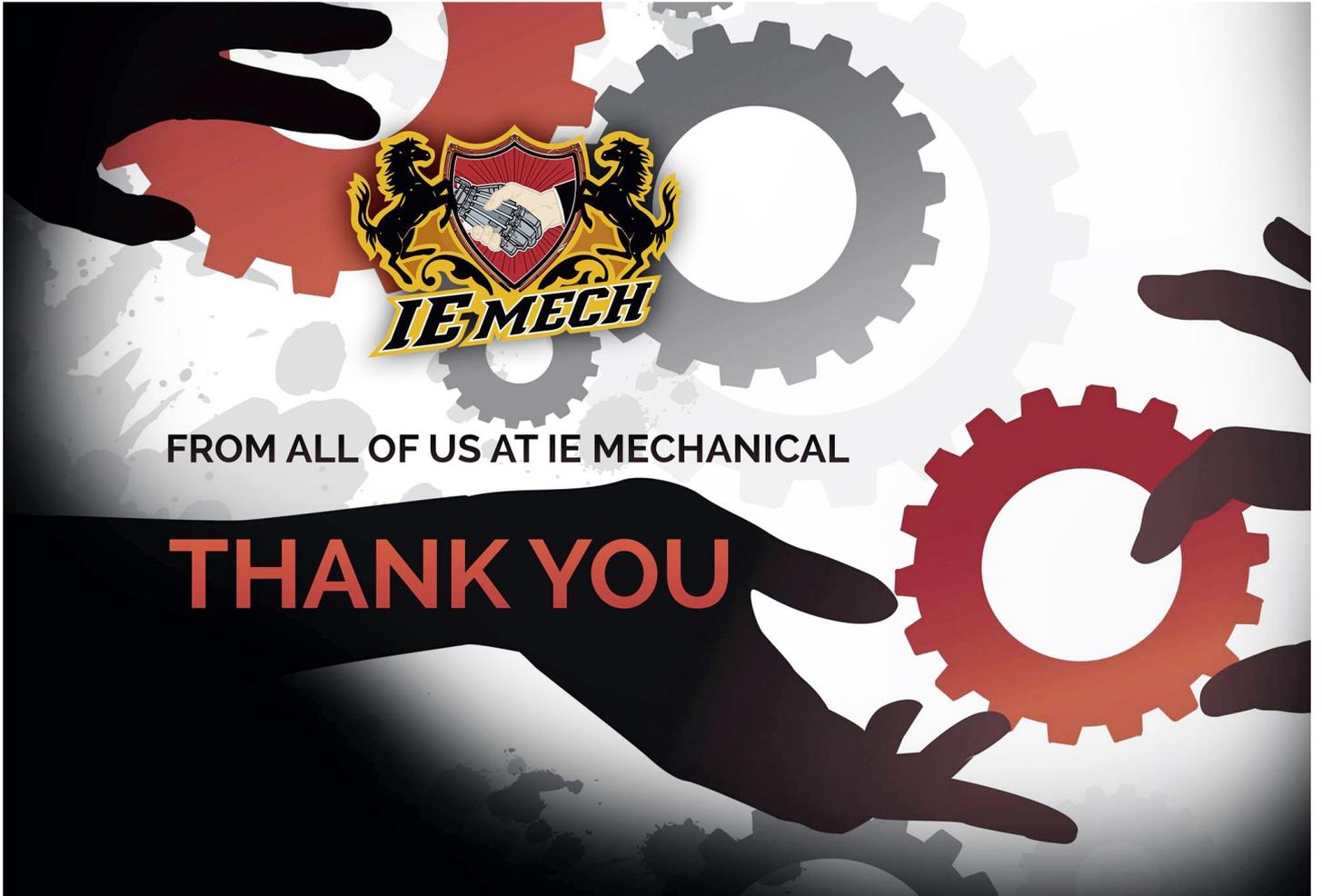
Dr. Amarkant Chakole
General Secretary

Shri. Valbhav Dabhade
Organising President

Shri. Amar Kharate
Organising Secretary

Date : 05th January, 2025

Thank You...



IT IS QUESTIONABLE WHETHER ALL THE MECHANICAL INVENTIONS EVER MADE HAVE LIGHTED THE LABOR OF ANY HUMAN BEING.

