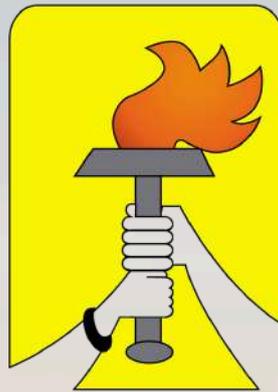


# HINNEWS

VOLUME 25 • ISSUE NO. 2

**HINDUSTHAN  
EDUCATIONAL AND**



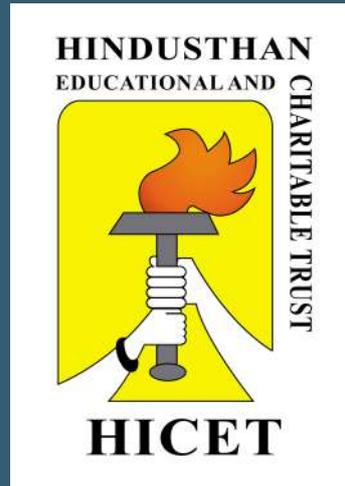
**CHARITABLE TRUST**

**HICET**

## HINDUSTHAN

COLLEGE OF ENGINEERING AND TECHNOLOGY

Valley Campus, Pollachi Highway  
Coimbatore, Tamilnadu, India  
[www.hicet.ac.in](http://www.hicet.ac.in)



## Vision

To become a premier institution by producing professionals with strong technical knowledge, innovative research skills and high ethical values.

## Mission

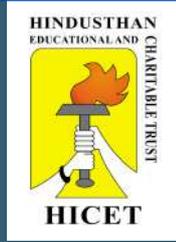
IM1: To provide academic excellence in technical education through novel teaching methods.

IM2: To empower students with creative skills and leadership qualities.

IM3: To produce dedicated professionals with social responsibility.

## Quality Policy

Hindusthan College of Engineering and Technology (HiCET) aims at providing the best education which will mould the students as the right characters, who will cater to the needs of the society. While providing various inputs for the best education, HiCET constantly thrives upon continual improvement with the utmost commitment for the complete satisfaction of the stakeholders.



# ABOUT US

Hindusthan College of Engineering and Technology (HICET) Coimbatore, is one of the Best Colleges in Coimbatore, which established in the year 2000 by the great Industrialist and Philanthropist, Thiru.T.S.R.Khannaiyann of Hindusthan Educational Trust whose determination and dynamism made possible the realization of this institution of excellence. Surrounded with nature's pristine beauty and an excellent infrastructure coupled with dedicated and experienced faculty has made the campus a much sought-after abode of learning. HICET is one of the premier technological institutions inculcating quality and value based education through innovative teaching learning process for holistic development of the Students. The institution is recognized under Section 2(f) and 12B of University Grants Commission (UGC) and is an autonomous institution affiliated to Anna University, Chennai with permanent affiliation for most of the programs, approved by the AICTE and the Government of India. Accredited by the National Assessment and Accreditation Council (NAAC) with 'A++' grade, National Board of Accreditation (NBA).

Currently, there are around 5000+ students pursuing various Undergraduate programs (B.E./B.Tech.), Postgraduate programs (M.E./M.Tech, MBA & MCA) and Ph.D. research programs in the Institution and are mentored by well qualified and experienced faculty members. HICET nurtures future global leaders by imparting knowledge, skills and building attitudes among students to face the world in a fresh, energetic and unrestrictive work environment.

# PRINCIPAL'S MESSAGE



**Dear students, faculty, staff, and esteemed members of the HICET**

**Greetings to all of you!**

With great joy and excitement, I send my heartfelt greetings to everyone of you as we begin a new semester full of infinite potential. As Principal of this prestigious Institution, I am pleased to lead and serve in developing the brains of our future generations. I want to take this time to offer my heartfelt gratitude to our great instructors and staff members who work diligently to ensure our students' academic success and general progress. Your continuous dedication to offering high-quality education and cultivating a culture of holistic growth is admirable.

In our quest of greatness, we seek to be at the cutting edge of academic innovation and technical developments. This year, we launched numerous new initiatives to better connect our curriculum with industry expectations, providing you with the information and skills you need to succeed in your chosen industries.

We believe in the potential of diversity and inclusiveness at Hindusthan. Our campus is a cultural and intellectual melting pot, where everyone is recognized and cherished. Let us continue to preserve these ideals and foster a peaceful learning atmosphere in which everyone feels welcome and valued.

As we face the difficulties and possibilities of the new semester, remember that we can achieve greatness together. Let us collaborate to create an atmosphere that fosters academic success, creativity, and innovation.

**Dr.J.Jaya  
Principal**

**Hindusthan College of Engineering and Technology**

# Department of Aeronautical Engineering

## EVENTS ORGANIZED



### Skill and Entrepreneurship Development Program under Nurture Program Scheme on “Intelligent Drone System”

The Skill and Entrepreneurship Development Program under the Nurture Program Scheme on “Intelligent Drone System” aims to equip participants with the knowledge, technical skills, and entrepreneurial mind-set required to design, develop, and deploy advanced drone systems for various applications.



### Quarterly progress meeting of mentee IIC institutions



Department of aeronautical engineering Mentors the following institutions in IIC activities:

- Karuna College of Pharmacy, Palakkad
- Universal Engineering College, Thrissur
- JDT Islam College of Pharmacy, Kozhikode

## Session on Accelerators/Incubation - Opportunities for Students & Faculties - Early Stage Entrepreneurs

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College of Engineering and Technology  
Valley Campus, Pollachi Highway, Coimbatore 641 832

**DEPARTMENT OF AERONAUTICAL ENGINEERING**  
IIC activity for **Mentee Institutions**

**"Session on Accelerators/Incubation - Opportunities for Students & Faculties - Early Stage Entrepreneurs"**

**Expert Speaker**  
Mr. Arulmuthas V  
Assistant Professor,  
Department of Aeronautical Engineering,  
AICTE Innovation Ambassador,  
HICET.

Date : 10/08/2024  
Time : 10.00 am  
Platform : Google meet

**Mentee Institutions**  
Hindusthan College of Arts & Science, Coimbatore  
Karuna College of Pharmacy, Palakkad  
JDT Islam College of Pharmacy, Kozhikode  
Universal Engineering College, Thrissur

**Coordinator**  
Mr. Saravana Kumar V  
AP/AERO, HICET

**Convener**  
Dr. Gopinathan V T  
HOD/AERO, HICET

**Dr. Jaya J**  
Principal  
HICET

**Dr. Karanakaran K**  
CEO, HEI

- Participants gain insights into critical early-stage steps, such as ideation, prototyping, market validation, and pitching.
- Participants feel motivated to explore entrepreneurial ventures, armed with knowledge about how to access support systems like accelerators and incubators.
- Participants might connect with resources that can support their entrepreneurial journey, such as funding opportunities, mentorship, and collaborative projects.



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**DEPARTMENT OF AERONAUTICAL ENGINEERING**  
In association with  
**UAV CLUB**  
Organizes

**ONE DAY WORKSHOP ON DRONE TECHNOLOGY**

**Topics Covered**  
· Introduction to UAVs  
· Drone Anatomy  
· DGCA Regulations  
· Hands-on Training  
· Simulator Practice

Date  
07.05.2025

Time  
10 am to 4 pm

Venue  
UAV Lab & Drone CoE

**For Mechanical Students of Anna University Regional Campus, Coimbatore**

**Coordinator**  
Mr. Saravana Kumar V, AP/AERO

**Convener**  
Dr. Gopinathan V T  
HOD/AERO

**Principal**  
Dr. Jaya J

Valley Campus, Pollachi Highway,  
Coimbatore - 641 832

91 9885 5151  
+91 98270 10000

www.Hindusthan.edu  
Hicet@hiet.ac

## Outreach activity - Workshop on Drone Technology to Anna University Coimbatore Regional Campus Students

To educate Participants about the basics of drone technology, drone components, principles of flight and flying techniques. Highlight Safety and Regulatory Requirements as per DGCA and provide Hands-on Exposure



## Outreach activity - Workshop on Drone Technology to Sree Sakthi Engineering College students

- Participants gained a solid understanding of drone technology, including the mechanics of drones, their components, and how they operate.
- Participants familiarized with the various uses of drones in multiple industries, recognizing the potential benefits and limitations of drone technology in real-world scenarios.
- Attendees had a clear understanding of safety protocols, legal requirements, and regulatory frameworks (like DGCA, CAR, NPNT), enabling them to fly drones responsibly and within the law.

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**nirf** **NBA** **A++ NAAC** **ISO 9001** **ISO 14001** **ISO 45001**

DEPARTMENT OF AERONAUTICAL ENGINEERING  
 In association with  
**UAV CLUB**  
 Organizes

**ONE DAY WORKSHOP ON DRONE TECHNOLOGY**

Topics Covered  
 • Introduction to UAVs  
 • Drone Anatomy  
 • DGCA Regulations  
 • Hands-on Training  
 • Simulator Practice

Date: 09.04.2025 & 11.04.2025  
 Time: 10 am to 4 pm  
 Venue: UAV Lab & Drone CoE

For Mechanical Students of Sree Sakthi Engineering College, Karamadai, Coimbatore

Coordinator: Mr. Saravana Kumar V, AP/AERO  
 Convener: Dr. Gopinathan V T, HD/AERO  
 Principal: Dr. Jaya J

Valley Campus, Pollachi Highway, Coimbatore - 641 022  
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 info@hindusthan.ac.in / hindusthan.ac



## Career Guidance for Aeronautical Engineering Students

- Enhanced Awareness of GATE Exam Structure: Students gained a clear understanding of the GATE Aerospace Engineering (AE) syllabus, exam pattern, and marking scheme.
- Improved Preparation Strategies: Participants learned effective study techniques, resource recommendations, and time management strategies for achieving high scores.
- Clarity on Career Pathways: Students gained insights into diverse career options, including opportunities in PSUs, R&D organizations, and aerospace industries.
- Clear understanding of higher education options such as M.Tech, MS, and Ph.D. programs in prestigious institutes like IISc, IITs, and NITs.

**Hindusthan** College of Engineering and Technology  
**nirf** **NBA** **A++ NAAC** **ISO 9001** **ISO 14001** **ISO 45001** **GATE AEROSPACE ACADEMY**

HINDUSTHAN COLLEGE OF ENGINEERING AND TECHNOLOGY  
 VALLEY CAMPUS, POLLACHI HIGHWAY, COIMBATORE

DEPARTMENT OF AERONAUTICAL ENGINEERING  
 presents  
 CAREER GUIDANCE FOR  
**AERONAUTICAL ENGINEERING STUDENTS**

**MR. ASHOK NAIDU**  
 CO-FOUNDER & TEACHING FACULTY  
 GATE AEROSPACE ACADEMY

Date: 19 MARCH 2025  
 Time: 10.30 AM  
 Venue: SEMINAR HALL

COORDINATOR: MR. SARAVANA KUMAR V, AP/AERO, NICET  
 CONVENER: DR. GOPINATHAN V T, HD/AERO, NICET  
 PATRON: DR. JAYA J, PRINCIPAL, NICET



# GALLERY OF STUDENT ACTIVITIES



# FACULTY ACHIEVEMENTS

S.No	Name of the All Authors	Research Paper Title	Journal Name	Indexed
1	<b>R. Saravanan, V. T. Gopinathan, C. Suresh, B. Aashik Hilahi, I. Arun Matheu, V. Dhanushkumar, K. Manoj Kumar</b>	Aerodynamic Performance Study on Owl-Inspired Serrations for Sound Suppression	Proceedings of the 1st International Conference on Advances in Aerospace and	SCI
2	V. T. Gopinathan, S Nisinthkumar, S Subash, D Surya, J Yogesh	AERODYNAMIC INVESTIGATION OF EAGLE &	Journal For Basic Sciences	Scopus
3	<b>Kathirvel K, Jagan J, Francis Emmanuel G S, Kamalesh G V, Shanmuga</b>	Study On Banana Fibre A Bio Composite Material For Thermal Insulation	Journal For Basic Sciences/Fangz	Scopus
4	<b>Kathirvel K, Madhugopal S K, Navin Babu, Abhinav C, Rizwan Ummer</b>	Tribological Study Of Beryllium Copper For Landing Gear Application	Journal For Basic Sciences/Fangz	Scopus
5	S. Bharanidharan, <b>T. Arulmozhinathan, L. Dhanish, Don C Abihail, M. Dinesh</b>	Design And Fabrication Of Tandem Wing Hybrid Drone	Journal For Basic Sciences/Fangz	Scopus
6	<b>Arun Raja K K, Bharathi T, Gajendiran I, Ragul V, Shyam Kumar S</b>	Design Of Propeller With Winglet For Vtol	Journal For Basic Sciences/Fangz	Scopus
7	<b>K. Manoj Kumar, P.N. Karthikeyan, S. Bhagavathi, V. Godwin, K. Jaivignesh, S. Vetrival</b>	High Performance Torque Optimization In Permanent Magnetic Gear For Commercial And Industrial	Journal For Basic Sciences/Fangz	Scopus
8	<b>K. K. Arun Raja, R. Balamurugan, R. Deepak Raj, M. Silambarasan &amp; M. Yoganandh</b>	Design of Hybrid Helium Drone for High Endurance	Proceedings of the 1st International Conference on Advances in Aerospace and	SCI
9	<b>R. Saravanan, V. T. Gopinathan, C. Suresh, B. Aashik Hilahi, I. Arun Matheu, V. Dhanushkumar, K. Manoj Kumar</b>	Aerodynamic Performance Study on Owl-Inspired Serrations for Sound Suppression	Proceedings of the 1st International Conference on Advances in Aerospace and	SCI

# FACULTY ACHIEVEMENTS

S.No	Name of the All Authors	Research Paper Title	Journal Name	Indexed
10	<b>K. Manoj Kumar, K. K. Arun Raja, S. Sri Balaji, E. Sundareswaran &amp; B. Arunkumar</b>	Energy Optimization Using Bladeless Windmill with Piezoelectric Polymer	Proceedings of the 1st International Conference on Advances in Aerospace and	SCI
11	<b>Saravanan R, Harivasanth P, Mohammed Ismail S, Navinkumar A</b>	Aerodynamic Investigation of Drone Propellers with Leading Edge Serration Inspired by	Journal For Basic Sciences/Fan gzhi Gaoxiao Jichukexue	Scopus
12	<b>Saravana Kumar V, Surya K, Karthikeyan P N, Ashna Antony, Jisna Joy</b>	Solar Powered 3D Printed Uav To Enhance Flight Duration	Journal For Basic Sciences/Fan gzhi Gaoxiao Jichukexue	Scopus
13	<b>Saravana Kumar V 1, Surya K 2, Karthikeyan P N 3, Abdul Asif A 4, Ajay E 5, Mayil Raj B 6</b>	DRONE PROPELLER THRUST TESTING RIG	TANZ/ Friedrich Berlin Verlagsgesellschaft mbH	Scopus
14	<b>Dr. Ganesh M1, Ahamed Yasin T S2, Dishanth K3, Muhammed Roshan E K4, Nidhin Samuel5</b>	EXPERIMENTAL INVESTIGATION OF HYBRID COMPOSITE MATERIAL BY USING JUTE AND GLASS FIBER	Journal For Basic Sciences/Fan gzhi Gaoxiao Jichukexue Xuebao	Scopus
15	<b>Dr. P. N. Karthikeyan1,V Saravana kumar2, Rupesh G3,Arul Selvan R4,Ancilin Prasad F5,Prabhagaran S6</b>	DESIGN AND FABRICATION OF RADIAL AERO-STATIC BEARING	Journal For Basic Sciences/Fan gzhi Gaoxiao Jichukexue	Scopus

# FACULTY ACHIEVEMENTS

## NPTEL

S.No.	Name of the Faculty	Title of the course completed	Course Duration	Category of Completion
1	Saravana Kumar V	NBA Accreditation and Teaching and Learning	12 Weeks	Elite
2	Arulmozhinathan T	NBA Accreditation and Teaching and learning in Engineering (NATE)	12 WEEKS	Elite
3	Dr V T Gopinathan	Outcome based pedagogic principles for effective teaching	4 Weeks	Elite
4	Dr V T Gopinathan	Introduction to Ancient Indian Technology	12 Weeks	Successfully Completed
5	Dr V T Gopinathan	Domain Scholar in Flight Mechanics	64 weeks for 6 courses	Domain Scholar in Aerospace Engineering
6	Dr V T Gopinathan	Discipline Star in Aerospace Engineering	64 weeks for 6 courses	Discipline Star in Aerospace Engineering
7	Dr. GANESH M	NBA Accreditation and Teaching and learning in Engineering (NATE)	12 Weeks	Elite + Silver
8	Kathirvel K	NBA Accreditation and Teaching and learning in Engineering (NATE)	12 WEEKS	Elite
9	Arun Raja K K	NBA Accreditation and Teaching and learning in Engineering (NATE)	12 Weeks	Elite
10	Manoj Kumar K	NBA Accreditation and Teaching and learning in Engineering (NATE)	12 Weeks	Elite+Silver
11	Saravanan R	Outcome Based Pedagogic Principles for Effective Teaching	4 weeks	Elite

# Department of Electronics and Communication Engineering

## DEPARTMENT EVENTS

**VALUE ADDED COURSE** on Introduction to Programming IoT through Arduino and ESP 32 Processors **conducted for II ECE B students** on 21.01.25



# Department of Electronics and Communication Engineering

## DEPARTMENT EVENTS

### ECE students participation in Virtual Tree Plantation program on 04.02.25



### Evaluator Certificate-School Innovation Contest 2024-25, conducted by Ministry of Education



# Department of Electronics and Communication Engineering

## DEPARTMENT EVENTS



**Hindusthan**  
College of Engineering and Technology  
( An Autonomous Institution )



THE MANAGEMENT, PRINCIPAL, FACULTY, STUDENTS AND STAFF  
FELICITATE OUR

### CHIEF GUEST



**Mr.C.PRABHU**

Deputy Project Director (SPADEX)  
U R Rao Satellite Centre  
ISRO, Bengaluru

Date: 08.02.2025

Time: 11:00 am

Venue: Ganga Hall

PRINCIPAL

Dr.JJAYA

CONVENORS

Dr.PVJAYALAKSHMI

HOD/ECE

Dr.V.T.GOPINATHAN

HOD/AERO



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# Department of Electronics and Communication Engineering DEPARTMENT EVENTS



# Department of Electronics and Communication Engineering

## DEPARTMENT EVENTS



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### Career Guidance and Higher Education cell

Organizes Seminar on

### "EXPLORING CAREER PATHWAYS: OPPORTUNITIES AFTER UNDERGRADUATE STUDIES"

#### RESOURCE PERSON

**Mr.SIDDHARTH.S**  
**Manager (Operations)**  
**TIME Institute**  
**Coimbatore**



Date: 20.02.2025

Time: 11:00 am

Venue: Ganga Hall

#### COORDINATORS

Mrs. Karpakam S, AP/ECE  
Mrs.Gayathiri M, AP/ECE

#### CONVENORS

Dr.Vijayalakshmi P HOD/ECE  
Dr.Murugeswari T ASP/BME

#### PATRON

Dr. J. Jaya  
Principal



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# Department of Electronics and Communication Engineering DEPARTMENT EVENTS



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*Department of Electronics and Communication Engineering  
(NBA Accredited under Tier-I Category)*

Organizes

**OUT-REACH ACTIVITY**

**NATIONAL SERVICE SCHEME**

in association with

**OTPW FOUNDATION**



**1001 TREES PLANTATION DRIVE**

**MEGA LEVEL TREE PLANTATION DRIVE**



*Planting a billion trees can help save the Earth from  
climate change and biodiversity loss*

*When we restore and conserve critical forests*

*We remove carbon and support biodiversity*



**22.02.2025**



**Pallapalayam, Pattanam**

#### COORDINATORS

Mr. Prasannavenkatesan N, NSS Coordinator  
Dr. Manjula T, Asso. Prof. / ECE

#### CONVENOR

Dr. Vijayalakshmi P  
HOD/ECE

#### PATRON

Dr. Jaya J  
Principal



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Department of Electronics and Communication  
Engineering

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*Career Guidance and Higher Education Cell  
&*

*Internal Quality Assurance Cell (IQAC)*

*Organizes*

**LinkedIn Career Kick Starter  
Program**



**FACE Prep**

**LinkedIn**



**08.03.2025**



**09:30 am**



**First Year Block**

**COORDINATOR**

**Dr.Ramya J**  
SPOC-Naanmuthalvan  
Asso. Prof. / ECE

**CONVENORS**

Dr.Anand B, IQAC Coordinator  
Dr.Vijayalakshmi P, HOD/ECE  
Dr.Uma KP, HOD/S&H

**PATRON**

**Dr. Jaya J**  
Principal



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Department of Electronics and Communication  
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Department of Electronics and Communication Engineering  
(NBA Accredited under Tier-I Category)

# Alumni Meet

**UG: B.E-ECE: 2019-2023 Batch**  
**PG: M.E-Communication Systems -**  
**2021-2023 Batch**



**29.03.2025**



**02:30 pm**



**ECE Dept.**  
**Seminar Hall**

**COORDINATOR**  
Dr.A.Udhaya Kumar,  
Asso. Prof. /ECE

**CONVENOR**  
Dr.Vijayalakshmi P  
HOD/ECE

**PATRON**  
Dr. Jaya J  
Principal



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# Department of Electronics and Communication Engineering

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**Department of Electronics and Communication Engineering**  
*(NBA Accredited under Tier-I Category)*

*organises one-day Seminar on*

### **From Hardware to Intelligence: The Embedded AI Journey**



**Resource Person**

**Mr. Muniraj Muniyappan**  
Founder and CEO,  
Bytes in bits Technologies,  
Bangalore



**01.04.2025**



**11:00 am**



**Ganga Hall**

#### COORDINATORS

Dr. Pranesh K A, *Asst. Prof. /ECE*  
Mr. Arunprasath R, *Asst. Prof. /ECE*

#### CONVENOR

Dr. Vijayalakshmi P  
*HOD/ECE*

#### PATRON

Dr. Jaya J  
*Principal*



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Department of Electronics and Communication  
Engineering

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**Department of Electronics and Communication Engineering**  
(NBA Accredited under Tier-I Category)

organises Guest Lecture on

**Unlock Your Tech Career:**  
**Essential Skills in**  
**Networking, Cloud and Cyber security**



**Resource Person**

**Mr. Vishnu Vardhan S**  
Managing Director  
Network Rhinos  
Bengaluru



**02.04.2025**



**09:30 am**



**Ganga Hall**

**COORDINATORS**

**Dr. J.Ramya, Asso. Prof. /ECE**  
**Ms.S.Karpakam, Asst. Prof. /ECE**

**CONVENOR**

**Dr.Vijayalakshmi P**  
**HOD/ECE**

**PATRON**

**Dr. Jaya J**  
**Principal**



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# Department of Electronics and Communication Engineering

## DEPARTMENT EVENTS



**Hindusthan**  
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**DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING**  
(NBA accredited under Tier 1 Category)

### VALUE ADDED COURSE

**PROGRAMMING STM32 & ARDUINO USING  
EMBEDDED C FOR REAL-TIME APPLICATIONS**

for III year B.E - ECE Students



#### RESOURCE PERSON

**Mr. Varadharaju G**

Managing Director

Electro Quantum Technologies,  
Coimbatore.

03.04.2025  
To  
09.04.2025  
(6 Days)

Venue:  
**Simulation  
Laboratory**

#### COORDINATORS

Dr.Ramya J, Asso.Prof. / ECE  
Dr.Manjula T, Asso. Prof. / ECE

#### CONVENOR

Dr. Vijayalakshmi P  
HOD/ECE

#### PATRON

Dr. Jaya J  
Principal

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Department of Electronics and Communication  
Engineering  
**DEPARTMENT EVENTS**

**Tamilnadu Science and Research Forum**  
&  
**Department of Electronics and Communication Engineering**

*Jointly presents*

# THEDAL

**26 APRIL 2025**

**Innovative idea presentation contest  
for both school and college students**

 **Hindusthan College of Engineering and Technology**  
Valley Campus, Pollach Highway, Coimbatore-641032

 **REGISTER NOW**

**Last Date for Registration:  
15.04.2025**

 **SCAN THE QR CODE**  
FOR REGISTRATION

**PRIZE POOL  
₹ 60,000**

**FOR COLLEGE STUDENTS**  
₹ 99 / TERM

**FOR SCHOOL STUDENTS**  
FREE REGISTRATION

- ELIGIBILITY: ALL SCHOOL & COLLEGE STUDENTS
- TEAM SIZE: MAXIMUM 4 MEMBERS
- REQUIREMENTS: DOCUMENTS SHOULD BE IN TAMIL.

<b>Student Coordinators</b> PRAVIN S, Dept of ECE SUBEESH B, Dept of ECE	<b>Coordinators</b> Dr. T . MANJULA, ASP/ ECE S.KARPAKAM, AP/ ECE	<b>Convenor</b> Dr. P.VIJAYALAKSHMI HOD / ECE	<b>Patron</b> Dr. J.JAYA Principal
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Department of Electronics and Communication  
Engineering

DEPARTMENT EVENTS



**Hindusthan**  
College of Engineering and Technology  
(An Autonomous Institution)



Department of Electronics and Communication Engineering

*(NBA Accredited under Tier-I Category)*

*organises Seminar on*

**Role of PCB Design for  
Semiconductor Technology**



**Resource Person**

**Mrs. Sreevidhya. P**

Technical Director,  
SSD TraceTech,  
Coimbatore



**25.04.2025**



**02:00 pm**



**Kurunji Hall**

**COORDINATORS**

Ms.S.Karpakam, *Asst. Prof. /ECE*  
Mr.Arunprasath R, *Asst. Prof. /ECE*

**CONVENOR**

Dr.Vijayalakshmi P  
*HOD/ECE*

**PATRON**

Dr. Jaya J  
*Principal*



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# Department of Electronics and Communication Engineering

## DEPARTMENT EVENTS



**Department of Electronics and Communication Engineering**  
*(NBA Accredited under Tier-I Category)*

In association with  
**Institution of Electronics and Telecommunication Engineers (IETE)**

*organises Guest Lecture on*

## Technology for all and for Good

to commemorate  
**World Telecommunication Day**



### Resource Person

**Mr. Dinesh S**  
Lead Engineer,  
Bosch Global Software  
Technologies Private Limited,  
Coimbatore

 **16.05.2025**

 **02:00 pm**

 **Kurunji Hall**

#### COORDINATOR

Ms.M.Gayathiri  
Asst. Prof. /ECE

#### CONVENOR

Dr.Vijayalakshmi P  
HOD/ECE

#### PATRON

Dr. Jaya J  
Principal



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# Department of Electronics and Communication Engineering

## DEPARTMENT EVENTS



**Hindusthan**  
College of Engineering and Technology  
(An Autonomous Institution)



**Department of Electronics and Communication Engineering**  
*(NBA Accredited under Tier-I Category)*

*organises Faculty Development Programme on*

## **Autodesk Fusion: Electronics Hands-On Training**



### **Resource Person**

**Mr. Shree Soumiya Kannan M**  
Application Engineer  
USAM CADSoft, Coimbatore



**26.05.2025 to  
28.05.2025**



**9:15 am**



**Simulation  
Lab/ECE Dept.**

### **COORDINATORS**

Dr.Kalaiselvi K. *Asso. Prof. /ECE*  
Ms.M.Gayathiri, *Asst. Prof. /ECE*

### **CONVENOR**

Dr.Vijayalakshmi P  
*HOD/ECE*

### **PATRON**

Dr. Jaya J  
*Principal*



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Department of Electronics and Communication  
Engineering  
**DEPARTMENT EVENTS**

**Hindusthan**  
College of Engineering and Technology  
(An Autonomous Institution)

**Department of Electronics and Communication Engineering**  
(Accredited by NBA under Tier-I Category)

**16<sup>th</sup>**  
**Board of Studies Meeting**

*Date: 28.05.2025*  
*Venue: Seminar Hall, Dept. of ECE*  
*Hybrid Mode*

**All are Welcome**



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## DEPARTMENT EVENTS



Department of Electronics and Communication Engineering  
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### Congratulations!

for being selected for National Level Presentation

### 5G Innovation Hackathon 2025



दूरसंचार विभाग  
Department of  
Telecommunications



**Dr.P.VIJAYALAKSHMI**  
Prof. & HOD/ECE



**Dr.J.RAMYA**  
Asso. Prof./ECE



**Mr.T.ANANDASELVAKARTHIK**  
Asst. Prof./ECE



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Department of Electronics and Communication  
Engineering

**(2021-2025) Batch Projects across TN in the  
AU NIRAL project Contest Scheme.**



Department of Electronics and Communication Engineering  
(Accredited by NBA under Tier-I Category)

***Congratulations!....***



VISHNU PRASAD K M  
ECE



YUVASHREE A  
ECE



SANJITH K  
ECE



PHILIP JAI MILTON S  
ECE

Our students have received *Project Grant of Rs : 10,000*  
from



**Niral Thiruvizha 2.0**



**THEME :** Information / communication technology

**PROJECT TITLE**

**Smart Agricultural Markets : AI-Driven Price Prediction and  
Blockchain Based Transparency**

*Under the guidance of*



**Mr. Anandaselvakarthish T**  
Assistant Professor  
Department of ECE

Department of Electronics and Communication  
Engineering

**(2021-2025) Batch Projects across TN in the  
AU NIRAL project Contest Scheme.**



Department of Electronics and Communication Engineering

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***Congratulations!....***



MUGESH C  
ECE



MEENAKSHI  
PRIYADHARSHINI P  
ECE



SHREE YADHAVAN V  
ECE



NAVEEN L  
ECE

Our students have received *Project Grant of Rs : 10,000*  
from



**THEME :** Information / communication technology

**PROJECT TITLE**

**Next-Gen Emergency Response: SDR-Powered  
Communication for Isolated Communities**

*Under the guidance of*



**Mr. Anandaselvakarthish T**  
Assistant Professor  
Department Of ECE

Department of Electronics and Communication  
Engineering

**(2021-2025) Batch Projects across TN in the  
AU NIRAL project Contest Scheme.**



Department of Electronics and Communication Engineering  
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**Congratulations!....**



**MAHAVISHNU S**  
B.E ECE



**INIYA R**  
B.E ECE

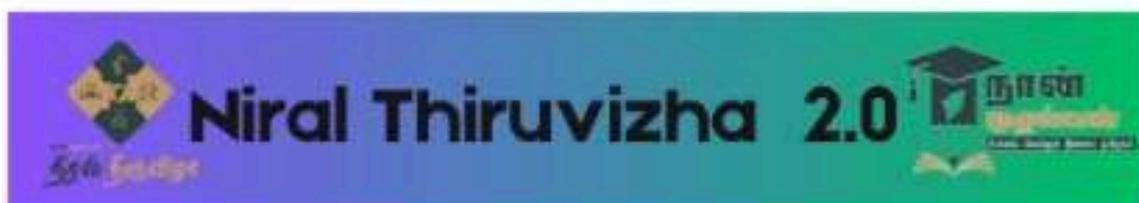


**AKSHARA V S**  
B.E ECE



**KALIDASS P**  
B.E ECE

Our students have received *Project Grant of Rs : 10,000*  
from



**THEME :** Information/Communication Technology

**PROJECT TITLE**

**Reliable safety system for tribal areas: mitigating  
wildlife encroachment with alters and assistance**

*Under the guidance of*



**Dr.J.Ramya**  
Associate Professor  
Department of ECE

## STUDENTS ACHIEVEMENT

### Co-Curricular Activities

**II ECE students participated in workshop at  
Kurukshetra'25, Anna University, CEG Campus, Chennai  
on 22.02.2025 & 23.02.2025**



**II ECE students participated in workshop at  
Kurukshetra'25, Anna University, CEG Campus, Chennai  
on 22.02.2025 & 23.02.2025**



# STUDENTS ACHIEVEMENT

## Co-Curricular Activities

**II ECE A students attending two days workshop at Sri Krishna College of Engineering and Technology , Coimbatore held on 11.04. 25 & 12.04.25**



# Department of Electronics and Communication Engineering

**II ECE A students presented papers in International Conference on building Sustainable Future with Recent Trends, at Annapoorna Engineering College, Salem held on 21.03.25**



## STUDENTS ACHIEVEMENT

### Extra-Curricular Activities

**III ECE B prashiksha and team won cash award of 10,000  
rs dance competition held at Sri Eshwar College of  
Engineering**



**INFANT MERYL F of II ECE A for winning SECOND  
prize with cash award of Rs 4000/- in Singing  
Competition conducted at Sri Eshwar College of  
Engineering, Coimbatore**



## STUDENTS ACHIEVEMENT

### Extra-Curricular Activities

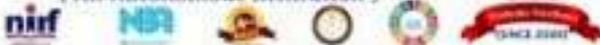
**BHAVYAKRISHNAN T K and DHABHRINA JOSELYN E of IV ECE A for winning FIRST prize in Project Expo conducted at JCT college of Technology, Coimbatore**



# NPTEL ACHEIVERS



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**Department of Electronics and Communication Engineering**  
*(Accredited by NBA under Tier-1 Category)*

## Congratulations!

**NPTEL Achievers (Jan - Apr 2025)**

**Introduction to Industry 4.0 and Industrial internet of things**  
**1% COUNTRY TOPPER**



**ANURAG SINGH**  
**III ECE -A**



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# Department of Electronics and Communication Engineering

## NPTEL ACHEIVERS



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Department of Electronics and Communication Engineering  
*(Accredited by NBA under Tier-I Category)*

### Congratulations!

**NPTEL-ELITE + SILVER Achievers (Jan - Apr 2025)**  
**Introduction to Internet of Things**

 <p>JENMIRA ANTONIYA II ECE-A</p>	 <p>KARTHICK S II ECE-A</p>	 <p>ARSHATA P II ECE-A</p>
 <p>ANANDHAN K II ECE-A</p>	 <p>ARU PUDANATHAN G II ECE-A</p>	 <p>HARSH E II ECE-A</p>
 <p>ASWANTHESHIRAM S II ECE-A</p>		

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# Department of Electronics and Communication Engineering

## NPTEL ACHEIVERS



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**Department of Electronics and Communication Engineering**  
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### Congratulations!

NPTEL Achievers (Jan - Apr 2025)

#### Introduction to Industry 4.0 and Industrial internet of things

<b>ELITE -GOLD</b>	<b>ELITE -SILVER</b>	<b>ELITE</b>	
			
<b>ANURAG SINGH</b> III ECE -A	<b>BANU REKA S</b> III ECE -A	<b>LOKASHSRI M</b> III ECE -A	<b>ANURAG SINGH</b> III ECE -A

#### Digital Design with Verilog

			<b>ELITE</b>
			
			<b>ANURAG SINGH</b> III ECE -A

#### Optical Wireless Communications for Beyond 5G Networks and IoT

<b>ELITE</b>				
				
<b>HAMITHA V</b> III ECE -A	<b>ASWATHY S V</b> III ECE -A	<b>ABENAYA G</b> III ECE -A	<b>MOHAMMED SHAFEEK A</b> III ECE -B	<b>NANDHANA S</b> III ECE -B

#### Principles of Management

<b>ELITE</b>				
				
			<b>MOHAMMED SHAFEEK A</b> III ECE -B	<b>NANDHANA S</b> III ECE -B

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# Department of Electronics and Communication Engineering

## NPTEL ACHEIVERS



### Hindusthan

College of Engineering and Technology  
(An Autonomous Institution)



Department of Electronics and Communication Engineering  
(Accredited by NBA under Tier-I Category)

## Congratulations!

NPTEL-ELITE Achievers (Jan - Apr 2025)  
Introduction to Internet of Things

 <p><b>NABENDRASWAMY A</b> II ECE - B</p>	 <p><b>NISHANTH N</b> II ECE - B</p>	 <p><b>NETHUSHIRUBAN M</b> II ECE - B</p>	 <p><b>NIVETHA P</b> II ECE - B</p>	 <p><b>NIVUTHA P</b> 720723109049 II ECE - B</p>
 <p><b>PANDHASWANTI G</b> II ECE - B</p>	 <p><b>PAVITRANSH V</b> II ECE - B</p>	 <p><b>RAYGANI S</b> II ECE - B</p>	 <p><b>RAJA RAJA SOTHAV S</b> II ECE - B</p>	 <p><b>SARANKRITHICK S</b> II ECE - B</p>
 <p><b>SATHISH KUMAR S</b> II ECE - B</p>	 <p><b>SIDDHANYA S</b> II ECE - B</p>	 <p><b>SOWMYA C</b> II ECE - B</p>	 <p><b>SOWMYA P</b> II ECE - B</p>	 <p><b>SRIIDHI C</b> II ECE - B</p>
 <p><b>SUDHARSAN A R</b> II ECE - B</p>	 <p><b>SURYA PRAKASH V S</b> II ECE - B</p>	 <p><b>VANSHI P</b> II ECE - B</p>	 <p><b>KHADIMURKAR S</b> II ECE - B</p>	 <p><b>VIGNESH V</b> II ECE - B</p>

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Department of Electronics and Communication Engineering  
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**Congratulations!**  
NPTEL Achievers (Jan - Apr 2025)

**INTRODUCTION TO INTERNET OF THINGS**

**ELITE - GOLD**



YASHWANTH P  
II ECE- B

**ELITE -SILVER**



SANJAY M  
II ECE- B

**CLOUD COMPUTING**

**ELITE - SILVER**



SRIRAM K  
II ECE- B

**ELITE**



RUBESH KUMAR P  
II ECE- B

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*Congratulations!*



NPTEL Achievers (Jan - Apr 2025)

**INTRODUCTION TO INTERNET OF THINGS**

**5% COUNTRY TOPPER**



**VARUN PRASAD S**  
**II ECE - B**



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# STUDENT PLACEMENTS



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**Heartiest  
Congratulations**

Batch 2025

Placed In

**PACKAGE 2.16LPA**

**EdVedha**  
Your speaking partner



**AKSHARA V S**  
B.E ECE



**INIYAR**  
B.E ECE



**SYED SAABIQ S G**  
B.E ECE



**RAM LAKSHMANAN**  
B.E ECE



**LOKESWAR KOTA**  
B.E ECE



**RAGHUL S**  
B.E ECE



**MAHAVISHNU S**  
BE ECE



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Coimbatore - 641 032



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91 80983 33333



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# STUDENT PLACEMENTS



**Hindusthan**  
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Heartiest  
**Congratulations**



**VISHNU PRASAD K M**

B.E ECE

Batch 2025

Placed In

**TESSOLVE**

**PACKAGE 4LPA**



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Coimbatore - 641 032



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91 80983 33333



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# STUDENT PLACEMENTS



## Heartiest Congratulations



**ARUN KUMAR S**

**B.E ECE**

**Batch 2025**

Placed In



**PACKAGE 4LPA**



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Coimbatore - 641 032



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## TECHNICAL EVENT ORGANIZED

S.No.	Name of the Event	Type	Event Mode	Resource Person	Date	Coordinator Name	Number of Participants
1	Gender Equity	Seminar	Physical	Ms N Ramya Assistant Professor / English, HiCET, Coimbatore.	08.02.2025	Ms S Arthi Ms H Anjalin Sneha	63
2	Guest Lecture on Research Methodology	Seminar	Physical	Dr R Shanthakumari, Associate Professor/ IT, Kongu Engineering College , Erode.	20.02.2025	Dr K R Baskaran	120
3	Workshop on Design Thinking, Critical Thinking and Innovatiopn Design	Workshop	Physical	Dr Sathishkumr Nagarajan, Professor, Department of ECE, Sri Ramakrishna Engineering College ,	20.02.2025	Mr Karthik S Mr Praveen Kumar R	111
4	Hands on Session on Maven	Seminar	Physical	Mr Praveen kumar AP/IT, HiCET, Coimbatore.	22.02.2023	Ms S Athira	132
5	Human Values	Seminar	Physical	Dr L Vidya Associate Professor/ Chemistry, HiCET, Coimbatore.	25.02.2025	Ms S Arthi Ms H Anjalin Sneha	61
6	TECQUORA 25 Technical Symposium	Symposium	Physical	Mr Gokul Rajagopal Tech Lead / Architect Cognizant Technology Solutions, Coimbatore.	14.03.2025	Dr M Ganesan, Ms T Sakthisree Mr Praveen Kumar R	502




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**DEPARTMENT OF INFORMATION TECHNOLOGY**

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**NEWSLETTER**

7	Real world Applications of Data science	Seminar	Physical	Ms L Sumathi AP/CSE, Government college of Technology, Coimbatore	24.03.2025	Dr Rajiv Suresh Kumar G	129
8	An Awareness Lecture on Environmental Sustainability	Seminar	Physical	Dr Madhusudhanan, Associate Professor, Department of Mechatronics Engineering, HiCET, Coimbatore	27.03.2025	C D Premkumar Ms P Revathi	50
9	Intra Department Sports Event	Sports	Physical	--	04.04.2025 to 09.04.2025	Mr N Ilayaraja	212
10	Awareness Lecture On Research Methodologies and IPR for Startups	Seminar	Physical	Dr T Senthukarasi Professor and Head of CSE , RMK Engineering College, Chennai	09.04.2025	Ms T Sakthi Sree Ms S Athira	85
11	Workshop on Protecting Intellectual Property Rights(IPRS) and IP Management for Startups.	Workshop	Physical	Dr Pradeepa S J , Associate Professor, Department of Chemistry, HiCET , Coimbatore.	26.04.2025	Ms Arthi S, Ms Anjalin Sneha H	64
12	Tech Talk on Introduction to AR/VR	Seminar	Physical	Dr S Dhanabal, Professor/ CSE, HiCET, Coimbatore	29.04.2025	Dr K R Baskaran	62
13	Scinetific Computations with Numpy from Theory of Practice	Seminar	Physical	Ms L Sumathi AP/CSE, Government college of Technology, Coimbatore.	12.05.2025	Dr Rajiv Suresh Kumar G Ms S Athira	129



WE EXTEND OUR SINCERE THANKS TO **MS. N. RAMYA** FOR DELIVERING AN INSIGHTFUL TALK ON GENDER EQUITY TO OUR IT DEPARTMENT STUDENTS.



*Promoting gender equity helps build inclusive, respectful, and balanced communities. True progress comes when we create spaces where all genders can thrive equally.*

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COLLEGE OF ENGINEERING AND TECHNOLOGY  
An Autonomous Institution, Coimbatore -641 032

A++ ACCREDITED NAAC  
NBA ACCREDITED  
nif

Department of  
**INFORMATION TECHNOLOGY**

ORGANISES A TALK ON  
**GENDER EQUITY**  
for B.Tech IT Students

**SPEAKER**  
**MS.N. RAMYA**  
ASSISTANT PROFESSOR  
SCIENCE AND HUMANITIES  
HICET

TIME  
11:00 AM TO 1:00 PM  
DATE  
8 February 2025

**COORDINATORS**  
Ms. S. Arthi AP/IT dept  
Ms. H. Anjalin Sneha, AP/IT dept

**CONVENOR**  
Dr. M. Sabrigiriraj, Prof & Head / IT dept

**PATRONS**  
Dr. J. Jaya, Principal



## FACULTY PUBLICATION

S.No	Name of all the Authors	Title of the Publication	SCI/ SCIE/Scopus/ WoS	Volume/Issue No./Page No.	Impact Factor	Year of Publication
1	R.Amudha	Identifying COVID-19 diseases in Heart Patients using Cardio IoT algorithms	Scopus	Vol. 14 No. 5 / 176 - 187	1.16	2025
2	Dr.M.Ganesan	A Context-Aware Content Recommendation Engine for Personalized Learning using Hybrid Reinforcement Learning Technique	Scopus	Vol. 11- No.1 (2025) pp. 765-774	4.053	2025
3	Ms ATHIRA S	Analysis of Encryption Techniques for Secure Data in Cloud Environment	Scopus	-	4.02	2025

### A Context-Aware Content Recommendation Engine for Personalized Learning using Hybrid Reinforcement Learning Technique

February 2025 · International Journal of Computational and Experimental Science and Engineering 11(1)

DOI: [10.22399/ijcesen.912](https://doi.org/10.22399/ijcesen.912)

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Authors:



Conference Paper

### Analysis of Encryption Techniques for Secure Data in Cloud Environment

January 2025

DOI: [10.1109/IJICISCN64258.2025.10934711](https://doi.org/10.1109/IJICISCN64258.2025.10934711)

Conference: 2025 International Conference on Intelligent Systems and Computational Networks (ICISCN)

Authors:



## FACULTY- BOOK CHAPTER PUBLICATION

S.No	Name of the Authors	Title of the Book Chapter published	ISBN No.	Name of the Publisher
1	R.Amudha	IoT-Based Classification of COVID-19 Cases with Cardiovascular Disease Using Deep Convolutional Decision Trees	ISBN 978-3-031-81168-5	Springer publication Feb 1, 2025

### Chapter

## IoT-Based Classification of COVID-19 Cases with Cardiovascular Disease Using Deep Convolutional Decision Trees

February 2025

DOI: [10.1007/978-3-031-81168-5\\_19](https://doi.org/10.1007/978-3-031-81168-5_19)

In book: Broadband Communications, Networks, and Systems (pp.211-223)

### Authors:



R. Amudha



M. S. Kavitha



S. Karthik



**Biju Balakrishnan**

Chennai Institute Of Technology



## FDP/ Seminar/ Workshop/ Orientation Programme/ STTP/ Conference/ others attended by faculty

S.No	Name of the Faculty	Nature of Event (FDP/ Seminar/ Workshop/ Orientation Programme/ STTP/ Conference/ others)	Title of Event (FDP/ Seminar/ Workshop/ Orientation Programme/ STTP/ Conference/ others)	Organised By
1	R.Amudha	Conference	International Conference on Innovation in Computing & Technology	Velammal Institute of Technology
2	P.Revathi	Conference	International Conference on Innovation in Computing & Technology	Velammal Institute of Technology
3	C.D. Premkumar	Conference	International Conference on Innovation in Computing & Technology	Velammal Institute of Technology
4	M.Ganesan	Webinar	Webinar on Object-Oriented Programming Simplified:A Beginner's Guide to Software Design	CSI Coimbatore chapter
5	M.Ganesan	ATAL FDP	Artificial Intelligence for Data Science: Innovation and Applications	Jorhat Institute Of Science & Technology
6	M.Ganesan	ATAL FDP	Exploring the Intersection of Blockchain Technology and Generative AI: Advancements, Applications, and Future Directions	Sphoorthy Engineering College
7	C.D. Premkumar	Workshop	Autodesk Fusion: Electronics [Hands-On Training]	Hindusthan College of Engineering and Technology




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**DEPARTMENT OF INFORMATION TECHNOLOGY**

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**NEWSLETTER**

8	P.Revathi	Workshop	Autodesk Fusion: Electronics [Hands-On Training]	Hindusthan College of Engineering and Technology
9	Ilayaraja N	FDP	ML Applications for Academic and Industrial Research	Electronics and ICT Academy, IIT Roorkee in association with CMR Engineering College, Hyderabad.
10	S Karthik	Conference	Implementation of YOLOv9- Based Real-Time Object Detection for Robotic Finger Applications	Fifth International Conference on Advances in Electrical, Computing, Communication and Sustainable Technologies (ICAECT)
11	S Karthik	Conference	Malaria Detection using CNN	SRM TRP Engineering College Trichy
12	Athira S	Conference	InterNational Conference on Emerging trends in Future Engineering (ICETFE'24)	Dhanalakshmi Srinivasan College of Engineering
13	Athira S	Conference	International Conference on Intelligent Systems and Computational Networks (ICISCN-2025)	Lingaraj Appa Engineering College , Bindar



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**DEPARTMENT OF INFORMATION TECHNOLOGY**

---

**NEWSLETTER**

14	T.Sakthi Sree	Conference	International Conference on Innovation in Computing & Technology	Velammal Institute of Technology
15	R.Amudha	FDP	Deep Learning and IOT Driven Smart Application	MLR Institute of Technology,Hyderabad
16	Anjalin sneha H	FDP	Java programming	Amphisoft Technology
17	N.Yamuna	Conference	International Conference on Innovation in Computing and Technology	Velammal Institute of Technology
18	Praveen Kumar R	FDP	Advanced Computing (Supercomputing, AI, Quantum Computing)	ATAL - National Institute of Technology Nagaland



Appreciating the Faculty for their Dedication.

DEPARTMENT OF INFORMATION TECHNOLOGY

NEWSLETTER

**KIT-KALAINARKARANIDHI INSTITUTE OF TECHNOLOGY**  
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 Accredited by NBA and NAAC with 'A' Grade  
 Coimbatore - 641 402

## CERTIFICATE

This is to certify that **Ms S Athira** from **Hindusthan College of Engineering and Technology** has Participated in Five Days Online Faculty Development Programme on **"Mastering Deep Learning: Theory, Techniques and Applications"** from 12.05.2025 to 16.05.2025 organized by the Department of Artificial Intelligence and Data Science, KIT - Kalaignarkaranidhi Institute of Technology, Coimbatore.

  
 Ms. K. Saranya  
 Coordinator

  
 Dr. C. Deepa  
 HoD/AI & DS

  
 Dr. M. Ramesh  
 Principal

ATAL/2024/1735578206






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 Nelson Mandela Marg, Vasant Kunj, New Delhi-110070  
 AICTE Training and Learning (ATAL) Academy

**Certificate**

*It is certified that Dr. Ganesh M, Associate Professor of Hindusthan college of Engineering and Technology has successfully participated & completed AICTE Training and Learning (ATAL) Academy Faculty Development Program on Artificial Intelligence for Data Science: Innovation and Application at JORHAT INSTITUTE OF SCIENCE & TECHNOLOGY from 26/01/2025 to 25/01/2025.*

  
 chandrasekar  
 Assistant Professor Level (AICTE Institute), Coordinator  
 JORHAT INSTITUTE OF SCIENCE & TECHNOLOGY

  
 Dr. Sunil Luthra  
 Director & Bureau Head  
 Training and Learning Bureau, AICTE



**VELAMMAL**  
 INSTITUTE OF TECHNOLOGY  
Chennai - Kolkata Highway, Panchetla, Pudukkottai, DISTRICT

**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

**INTERNATIONAL CONFERENCE ON INNOVATION IN COMPUTING & TECHNOLOGY**  
**ICICT - 2025**  
 (Hybrid Mode)







This is to certify that **Dr./Mr./Ms. Ms. Sakthi Sree T** of **HINDUSTHAN COLLEGE OF ENGINEERING AND TECHNOLOGY, COIMBATORE** has participated and presented a paper titled **BIN VERIFICATION SYSTEM** in **ICICT' 25** (International Conference on Innovation in Computing and Technology) organized by the Department of Computer Science and Engineering on 04th April 2025 at Velammal Institute of Technology, Panchetla, Pudukkottai.

  
 Dr. VP. Chacko  
 HOD-CSE

  
 Dr. S. Sourdharajan  
 Vice Principal

  
 Dr. N. Balaji  
 Principal



## CONFERENCE PROCEEDINGS

S.No	Name of all the Authors	Title of the Publication	Name of the Conference Proceedings	Scopus/ Others	Year
1	R. Sundar , M. Ganesan, M. A. Anju , M. Ishwarya Niranjana , T. Surya	A Context-Aware Content Recommendation Engine for Personalized Learning using Hybrid Reinforcement Learning Technique	International Journal of Computational and Experimental Science and ENgineering (IJCESEN)	Scopus	2025
2	Premkumar Duraisamy; Deepika A; Dhanushiya S; Karthik S	Implementation of YOLOv9- Based Real-Time Object Detection for Robotic Finger Applications	Fifth International Conference on Advances in Electrical, Computing, Communication and Sustainable Technologies (ICAECT)	IEEEExplore	2025
3	Anandhi kathiresan,Sahana Shetty, Dr. S M.Ramesh,T. ARUN, Praveen Kumar R, Glory E	Neem Leaf Disease Detection based on Enhanced Leaky Capacitor-Fired Neuron (LCFN) Model	2024 Ninth International Conference on Science Technology Engineering and Mathematics (ICONSTEM)	IEEEExplore	2025



## NPTEL - BY FACULTY

S.No.	Name of the course	Type	Duration	No.of.Faculty Enrolled	No.of. faculty Achieved	Country Topper
1	NBA Accreditation and Teaching and Learning in Engineering (NATE)	NPTEL - FDP	JAN-APR 2025 (12 weeks)	13	13	1
2	Outcome Based Pedagogic Principles For Effective Teaching	NPTEL	FEB - MAR 2025 (4 weeks)	1	1	-

*We congratulate Ms. Yamuna on becoming the country topper, a remarkable achievement reflecting her dedication to the course.*

**Congratulations!**

**Elite**  
**NPTEL ONLINE CERTIFICATION**  
(Funded by the MoE, Govt. of India)

This certificate is awarded to  
**YAMUNA N**  
for successfully completing the course  
**NBA Accreditation and Teaching and Learning in Engineering (NATE)**  
with a consolidated score of **84 %**

Online Assignments	24.38/25	Proctored Exam	59.63/75
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Total number of candidates certified in this course: **2145**

Prof. G. L. Sivakumar Babu  
Chairman, Center for Continuing Education  
IISc Bangalore

Jan-Apr 2025  
(12 week course)

Prof. L. Umamand  
NPTEL Coordinator  
IISc Bangalore

Indian Institute of Science Bangalore

swayam

Roll No: NPTEL25GE23S1043601807 To verify the certificate

No. of credits recommended: 3 or 4

## Our NPTEL Acheivers

**Elite**  
**NPTEL ONLINE CERTIFICATION**  
(Funded by the MoE, Govt. of India)

This certificate is awarded to  
**PRAVEEN KUMAR**  
for successfully completing the course  
**NBA Accreditation and Teaching and Learning  
in Engineering (NATE)**  
with a consolidated score of **75 %**

Online Assignments	23.44/25	Proctored Exam	51.62/75
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Total number of candidates certified in this course: **2145**

Jan-Apr 2025  
(12 week course)

Indian Institute of Science Bangalore

swayam

Roll No: NPTEL25GE2351043601137 To verify the certificate No. of credits recommended: 3 or 4

**Elite**  
**NPTEL ONLINE CERTIFICATION**  
(Funded by the MoE, Govt. of India)

This certificate is awarded to  
**DR GANESAN M**  
for successfully completing the course  
**NBA Accreditation and Teaching and Learning  
in Engineering (NATE)**  
with a consolidated score of **79 %**

Online Assignments	23.13/25	Proctored Exam	55.88/75
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Total number of candidates certified in this course: **2145**

Jan-Apr 2025  
(12 week course)

Indian Institute of Science Bangalore

swayam

Roll No: NPTEL25GE2351043604533 To verify the certificate No. of credits recommended: 3 or 4

**Elite**  
**NPTEL ONLINE CERTIFICATION**  
(Funded by the MoE, Govt. of India)

This certificate is awarded to  
**DR RAJIV SURESH KUMAR G**  
for successfully completing the course  
**NBA Accreditation and Teaching and Learning  
in Engineering (NATE)**  
with a consolidated score of **75 %**

Online Assignments	22.97/25	Proctored Exam	51.75/75
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Total number of candidates certified in this course: **2145**

Jan-Apr 2025  
(12 week course)

Indian Institute of Science Bangalore

swayam

Roll No: NPTEL25GE2351043604694 To verify the certificate No. of credits recommended: 3 or 4

**Elite**  
**NPTEL ONLINE CERTIFICATION**  
(Funded by the MoE, Govt. of India)

This certificate is awarded to  
**ATHIRA S**  
for successfully completing the course  
**NBA Accreditation and Teaching and Learning  
in Engineering (NATE)**  
with a consolidated score of **80 %**

Online Assignments	23.75/25	Proctored Exam	55.88/75
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Total number of candidates certified in this course: **2145**

Jan-Apr 2025  
(12 week course)

Indian Institute of Science Bangalore

swayam

Roll No: NPTEL25GE2351043604683 To verify the certificate No. of credits recommended: 3 or 4

**Elite**  
**NPTEL ONLINE CERTIFICATION**  
(Funded by the MoE, Govt. of India)

This certificate is awarded to  
**T SAKTHI SREE**  
for successfully completing the course  
**NBA Accreditation and Teaching and Learning  
in Engineering (NATE)**  
with a consolidated score of **79 %**

Online Assignments	24.08/25	Proctored Exam	54.75/75
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Total number of candidates certified in this course: **2145**

Jan-Apr 2025  
(12 week course)

Indian Institute of Science Bangalore

swayam

Roll No: NPTEL25GE2351043604990 To verify the certificate No. of credits recommended: 3 or 4

**Elite**  
**NPTEL ONLINE CERTIFICATION**  
(Funded by the MoE, Govt. of India)

This certificate is awarded to  
**ILAYARAJAN**  
for successfully completing the course  
**NBA Accreditation and Teaching and Learning  
in Engineering (NATE)**  
with a consolidated score of **75 %**

Online Assignments	24.38/25	Proctored Exam	50.12/75
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Total number of candidates certified in this course: **2145**

Jan-Apr 2025  
(12 week course)

Indian Institute of Science Bangalore

swayam

Roll No: NPTEL25GE2351043604544 To verify the certificate No. of credits recommended: 3 or 4



## NPTEL MENTOR APPRECIATION

WE ARE IMMENSELY PROUD TO CONGRATULATE MR.N.ILAYARAJA FOR BEING RECOGNIZED AS A TOP PERFORMING MENTOR IN THE NPTEL PLATFORM .



WE ARE IMMENSELY PROUD TO CONGRATULATE MR.S.KARTHIK FOR BEING RECOGNIZED AS A MENTOR IN THE NPTEL PLATFORM .



## NPTEL - BY STUDENTS

S.No	Year/Sem	Name of the Course	Duration (4 weeks/ 8 weeks/ 12 weeks)	Grade (Elite/ Elite Silver/ Elite Gold etc.)
1	II year 4 th sem	Cloud Computing	12 weeks	Country topper -top 5%-1 Elite-36 Elite Silver-8 Course Completed-36
2	III year 6 th sem	Cloud Computing	12 Weeks	3-Elite 7-Course Completed
3	III year 6 th sem	Large Language Modeling	12 Weeks	14-Course Completed

We congratulate  
Ms. D. Deepika Shree  
Becoming the country  
topper, a remarkable  
achievement reflecting her  
dedication to the course.

*Congratulations!*



## OUR DEPARTMENT ORGANIZED A SYMPOSIUM FEATURING A VARIETY OF EVENTS.

*The symposium opened with smiles, handshakes, and a hearty welcome session!*



*A deep dive into innovation  
our technical event  
sparked insightful  
discussions and cutting-edge  
ideas.*

*A buzz-worthy  
symposium full of engaging  
events and good vibes!*





## STUDENTS PARTICIPATION IN INTER- INSTITUTE EVENTS

### PARTICIPANTS

S.No	YEAR	REGISTER NO	NAME	EVENT	COLLEGE
1	II / IV	720723110106	Santhosh Kannan K	Technical Symposium HIFOCUS'25	Hindusthan College of Engineering and Technology
2	II / IV	720723110100	RishiJaiswal	Technical Symposium HIFOCUS'25	Hindusthan College of Engineering and Technology
3	II / IV	720723110011	Balasudharsan M	Explore Mern Stack: The Ultimate Hands ON Workshop	Coimbatore Institute of Technology.
4	II / IV	720723110012	Barath D	Explore Mern Stack: The Ultimate Hands ON Workshop	Coimbatore Institute of Technology.
5	II / IV	720723110015	Boomika S	Explore Mern Stack: The Ultimate Hands ON Workshop	Coimbatore Institute of Technology.
6	II / IV	720723110030	Gokul R	Explore Mern Stack: The Ultimate Hands ON Workshop	Coimbatore Institute of Technology.
7	II / IV	720723110061	Lewin Astlay Infant E	Explore Mern Stack: The Ultimate Hands ON Workshop	Coimbatore Institute of Technology.

8	II / IV	720723110064	Mahashri T	Explore Mern Stack: The Ultimate Hands ON Workshop	Coimbatore Institute of Technology.
9	II / IV	720723110100	RishiJaiswal	GameXcelerate	Rathinam Group of Institutions
10	II / IV	720723110051	Karthik Prasanna P	Technical Symposium ELECT-ERA 25	Coimbatore Institute of Technology.
11	II / IV	720723110055	Keerthi S	Technical Symposium ELECT-ERA 25	Coimbatore Institute of Technology.
12	II / IV	720723110018	Deepika Shree D	Technical Symposium ELECT-ERA 25	Coimbatore Institute of Technology.
13	II / IV	720723110117	Susikaran M	Technical Symposium CONVERGE NCE 2K25	Nehru Institute of Technology
14	II / IV	720723110080	Monish Kumar R	Technical Symposium CONVERGE NCE 2K25	Nehru Institute of Technology
15	II / IV	720723110089	Powerson P	Technical Symposium CONVERGE NCE 2K25	Nehru Institute of Technology
16	II / IV	720723110121	Veera Kumar V T	Technical Symposium CONVERGE NCE 2K25	Nehru Institute of Technology




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**DEPARTMENT OF INFORMATION TECHNOLOGY**

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**NEWSLETTER**

17	II / IV	720723110008	Arthi I	WORKSHOP Industrial IOT using LORAWAN Technology	KSR College of Technology
18	II / IV	720723110056	Keerthika D	WORKSHOP Industrial IOT using LORAWAN Technology	KSR College of Technology
19	II / IV	720723110015	Boomika S	WORKSHOP Industrial IOT using LORAWAN Technology	KSR College of Technology
20	II / IV	720723110008	Arthi I	Treasure Hunt DAKSHAA T25	KSR College of Technology
21	II / IV	720723110802	Kapilaventhana S	TECHNOVAT E 25 Inter College Event	Government College of Technology
22	II / IV	720723110804	Logesh V	TECHNOVAT E 25 Inter College Event	Government College of Technology
23	II / IV	720723110044	Kalaiselvi S	TECHNOVAT E 25 Inter College Event	Government College of Technology
24	III / VI	720722110004	Anitha M	UYIR ROAD SAFE HACKATHO N 25	Sri Krishna College of Engineering and Technology



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DEPARTMENT OF INFORMATION TECHNOLOGY

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NEWSLETTER

25	III / VI	720722110015	Meena B	UYIR ROAD SAFET HACKATHO N 26	Sri Krishna College of Engineering and Technology
26	III / VI	720722110018	Nandhini B	UYIR ROAD SAFET HACKATHO N 27	Sri Krishna College of Engineering and Technology

”  
"The power of  
education lies in  
its ability to  
transform lives."  
— Unknown

# INDUSTRIAL VISIT



## WINMAN SOFTWARE PVT. LTD.

COUNT: 59

DATE: 19-04-2025 TO 22-04-25

BATCH: 2022-2026

*Our department students went on an industrial visit to Winman Software Pvt. Ltd., where they gained valuable insights into the software industry and its operations.*



## PLACED STUDENTS

S.NO	REGISTER NUMBER	NAME OF THE STUDENT	COMPANY
1	720721110049	SYED THOUFIQ R	K G INVICTA SERVICES PVT LTD
2	720721110069	GOWTHAM S	E Y GLOBAL
3	720721110077	JAYASHRI HAMALATHA	E Y GLOBAL
4	720721110016	MANIMARAN M	TECHGENZI
5	720721110074	HARINI M	EDIGLOBE ONLINE SERVICES PVT LTD
6	720721110008	DEEPA PRIYATHARSINI R	EDIGLOBE ONLINE SERVICES PVT LTD
7	720721110065	DHARSHINI K	EDU VERSITY
8	720721110069	GOWTHAM S	EDU VERSITY
9	720721110037	ROHAN S	AURISEG
10	720721110063	BHARATHKUMAR K	ZOHO
11	720721110095	MUTHUKUMARAN R	VCODEZ-INNOVATING IDEAS
12	720721110125	VENKATESH S	INFINITE COMPUTER SOLUTIONS
13	720721110007	BUSHEN RAAJ Y	KALVIUM

# DEPARTMENT OF ARTIFICIAL INTELLIGENCE

## EVENTS ORGANIZED

S.No	Name of the Event	Resource Person	Date
1	World Entrepreneur's Day	Mr. T. Ram Kumar, Literact Fintech- CEO	22.08.2024
2	Webinar on Innovating Deep Learning Designs for Enhancing Agricultural Sustainability	Sharmila Deve Venkatachalam Professor, University of Technology and Applied Science-Ibri, Sultanate of Oman.	23.08.2024
3	Memorandum of Understanding	Mr. Ruban Jayakumar, Zed Digital	23.09.2024
4	Guest Lecture on Innovation Approaches to Mastering Planning and Uncertainty in AI	Dr. R. Karthik, Karunya Institute of Technology and Sciences, Coimbatore.	26.09.2024
5	Seminar on AIML Innovations Driving the Industrial IOT & Memorandum of Understanding	T. Vigneshwaran Founder & CEO, Nandha Infotech	30.09.2024
6	Seminar on AI, Innovation and Entrepreneurship to Drive Change in Machine Learning Era	Mr. Sabarinathan Muthu, Technical Manager, Gateway Software Solutions	08.10.2024



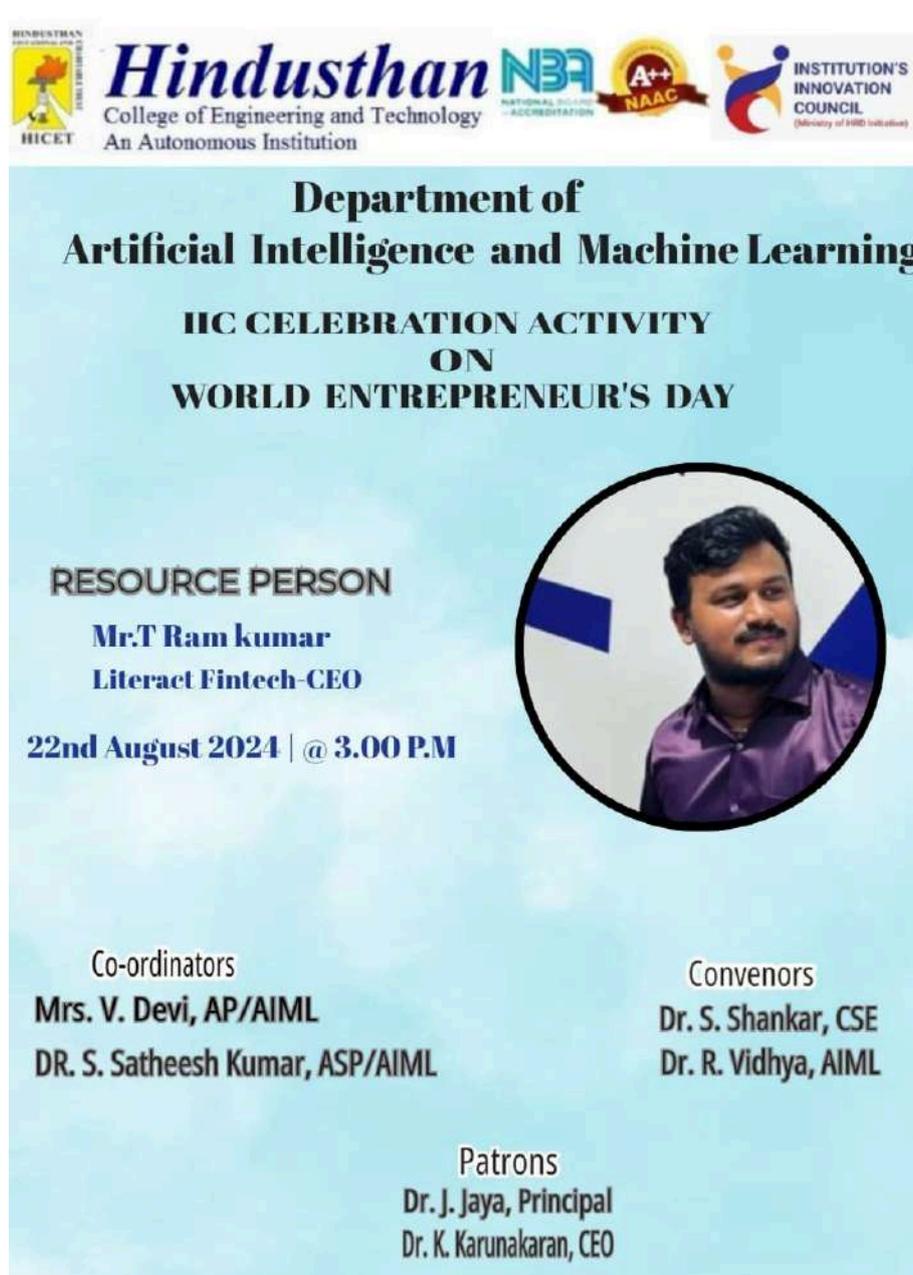
# HINDUSTHAN COLLEGE OF ENGINEERING AND TECHNOLOGY

VALLEY CAMPUS, POLLACHI HIGHWAY, COIMBATORE, TAMIL NADU - 641032

7	ICT Academy-5 Days Technical Training-Microsoft Power BI Inauguration	Vijay Babu B.B Senior Relationship Manager, ICT Academy	10.10.2024
8	Microsoft Power BI-5 Days Technical Training	Mohamed Fakrudeen M.A, Gopinath S Senior Technical Trainer Training andDevelopment ICT Academy	15.10.2024-19.10.2024
9	Workshop-Innovative Problem Solving through Effective Ideation	Mr. Baheerathan K Team Leader Gateway Software Solution	03.12.2024
10	Technical Session on AI & US The Role of AI in Empowering Humanity	Mr. Steve Bakther NuStartz CEO/Co-Founder	05.12.2024
11	Technical Session on Driving Innovation with AI: A Game Changer for Engineers	Mr. Steve Bakther NuStartz CEO/Co-Founder	24.01.2025
12	Test your Knowledge on Data Privacy-Quiz		31.01.2025
13	Session on Cancer Awareness	Dr. Radian. K. K. Laamoneykrishna, Founder and President Radian Trust, Coimbatore	19.02.2025
14	One Day Workshop on Selenium for Driving Innovation in Design and Automation	Mr. Ramsunder S K, Senior Technical Lead, Nallas Technology PVT LTD, Coimbatore	25.03.2025
15	AIML Smposium - KAISER	Syed Buhari A W SAP Lead Solution Architect, Fleet Management, Netherlands	08.04.2025
16	CSI Inauguration Ceremony	Dr. Venkatesan L	25.04.2025
17	Guest Lecture-Modern Data Handling: SQL vs NoSQL Databases	Ms. G. Sandhya, Asst. Prof. Dept of CSE Sri Krishna College of Technology	30.04.2025

## 1. WORLD ENTREPRENEUR'S DAY

Celebrating innovation and leadership, this event features Mr. T. Ram Kumar (CEO, Literact Fintech) sharing insights on entrepreneurship in the AI/ML era. Students will learn about fintech trends, startup challenges, and how AI drives business transformation.



**Hindusthan** College of Engineering and Technology  
An Autonomous Institution

NBA NATIONAL BOARD OF ACCREDITATION A++ NAAC

INSTITUTION'S INNOVATION COUNCIL (Ministry of HRD Initiatives)

**Department of  
Artificial Intelligence and Machine Learning**

**IIC CELEBRATION ACTIVITY  
ON  
WORLD ENTREPRENEUR'S DAY**

**RESOURCE PERSON**  
**Mr. T Ram kumar**  
**Literact Fintech-CEO**

**22nd August 2024 | @ 3.00 P.M**

**Co-ordinators**  
**Mrs. V. Devi, AP/AIML**  
**DR. S. Satheesh Kumar, ASP/AIML**

**Convenors**  
**Dr. S. Shankar, CSE**  
**Dr. R. Vidhya, AIML**

**Patrons**  
**Dr. J. Jaya, Principal**  
**Dr. K. Karunakaran, CEO**

## 2. WEBINAR ON INNOVATING DEEP LEARNING FOR AGRICULTURAL SUSTAINABILITY

Prof. Sharmila Deve Venkatachalam (Oman) explores AI applications in agriculture, focusing on deep learning models to optimize crop yields, reduce waste, and promote sustainable farming practices.



The poster features the Hindusthan College of Engineering and Technology logo at the top left, followed by accreditation logos for NBA (National Board of Accreditation) and NAAC (National Assessment and Accreditation Council) with an A++ grade. To the right is the logo for the Institution's Innovation Council (IIC), a Ministry of HRD initiative. The main text is centered on a yellow background, detailing the department (Artificial Intelligence and Machine Learning), the activity (IIC Self Driven Activity - Webinar), and the topic (Innovating deep Learning Designs For Enhancing Agricultural Sustainability). A circular portrait of Prof. Sharmila Deve Venkatachalam is shown on the right. The date and time (23rd AUGUST 2024 | 11.00AM - 12.30PM) are listed below. At the bottom, the names of coordinators, convenors, and patrons are provided.

**Hindusthan** College of Engineering and Technology  
An Autonomous Institution

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NATIONAL BOARD  
ACCREDITATION

A++  
NAAC

INSTITUTION'S  
INNOVATION  
COUNCIL  
(Ministry of HRD Initiative)

Department of Artificial Intelligence and  
Machine Learning

IIC Self Driven Activity- Webinar  
On  
Innovating deep Learning Designs For  
Enhancing Agricultural Sustainability

Resource Person :  
Sharmila Deve Venkatachalam,  
Professor,  
University of Technology and Applied Science-Ibri,  
Sultanate of Oman



23rd AUGUST 2024 | 11.00AM - 12.30PM

Co ordinators  
Mrs. V. Devi, AP/AIML  
Dr. A. Priya, AP/AIML  
Mr. P. Arun Selvam, AP/AIML

Convenors  
Dr. S. Shankar, CSE  
Dr. R. Vidya, AIML

Patrons  
Dr. K. Karunakaran, CEO  
Dr. J. Jaya, Principal



## 3. MEMORANDUM OF UNDERSTANDING WITH ZED DIGITAL

A collaboration with Mr. Ruban Jayakumar (Zed Digital) to foster industry-academia partnerships, offering students internships, projects, and exposure to AI-driven digital solutions.

 **HINDUSTHAN**  
College of Engineering and Technology  
Valley Campus, Coimbatore-641 032

Department of Artificial Intelligence & Machine Learning

**Memorandum of Understanding**  
between  
**Hindusthan College of Engineering and Technology**  
and



**Date: 23.09.2024, Monday @ 02:00 PM**  
**Venue: IQAC Board Room**  
**Hindusthan College of Engineering  
and Technology**  
**On Behalf of Zed Digital**  
**Mr.Ruban Jayakumar**  
**&**  
**On Behalf of HICET**

<b>COORDINATORS</b>	<b>PROF &amp; HEAD AIML</b>	<b>PRINCIPAL</b>	<b>CEO</b>
DR.D.SATHEESH KUMAR DR.R.JAYARAJ MR.P.ARUL SELVAM	DR.R.VIDHYA	DR.J.JAYA	DR.K.KARUNAKARAN

## 4. GUEST LECTURE ON MASTERING PLANNING & UNCERTAINTY IN AI

Dr. R. Karthik (Karunya Institute) discusses cutting-edge AI strategies to handle real-world unpredictability, covering probabilistic models and adaptive systems for robust decision-making.



The poster features a blue background with a network of nodes and lines. At the top, it lists accreditation logos: HICET, Hindusthan College of Engineering and Technology (An Autonomous Institution), NBA National Board of Accreditation (A++), Institution's Innovation Council (Ministry of HRD Initiative), and IEEE. Below this, it identifies the event as a 'DEPARTMENT OF ARTIFICIAL INTELLIGENCE & MACHINE LEARNING IIC DRIVEN ACTIVITY'. Two icons represent '4 QUALITY EDUCATION' and '9 INDUSTRY, INNOVATION AND INFRASTRUCTURE'. The main text states the event is organized by the department and features a guest lecture by Dr. R. Karthik from Karunya Institute of Technology and Sciences, Coimbatore. It also lists coordinators (Dr. D. Satheesh Kumar and Ms. V. Devi), a convener (Dr. R. Vidhya), and patrons (Dr. J. Jaya and Dr. K. Karunakaran). The date and time are 26-09-2024 at 2:00 pm, and the venue is Seminar Hall.

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OF ACCREDITATION  
A++  
NAAC

**INSTITUTION'S  
INNOVATION  
COUNCIL**  
(Ministry of HRD Initiative)

**IEEE**

DEPARTMENT OF ARTIFICIAL INTELLIGENCE & MACHINE LEARNING  
IIC DRIVEN ACTIVITY

**4** QUALITY  
EDUCATION

**9** INDUSTRY, INNOVATION  
AND INFRASTRUCTURE

ORGANISES A GUEST LECTURE ON

**INNOVATION APPROACHES TO MASTERING  
PLANNING & UNCERTAINTY IN AI**

 **Dr. R. KARTHIC**  
KARUNYA INSTITUTE OF TECHNOLOGY  
AND SCIENCES, COIMBATORE

**COORDINATORS**  
Dr. D. Satheesh Kumar,  
ASP/AI&ML,  
Ms. V. Devi, AP/AI&ML

**CONVENOR**  
Dr. R. Vidhya, HOD/AI&ML

**PATRONS**  
Dr. J. Jaya, Principal,  
Dr. K. Karunakaran, CEO

**Date & Time**  
26-09-2024, 2:00 pm

**Venue**  
Seminar Hall

## 5. SEMINAR ON AIML IN INDUSTRIAL IOT & MOU WITH NANDHA INFOTECH

T. Vigneshwaran (CEO, Nandha Infotech) highlights AI/ML's role in Industrial IoT, followed by an MoU to enhance student training and R&D in smart manufacturing and automation.



Department of Artificial Intelligence and Machine Learning  
IIC DRIVEN ACTIVITY



ORGANISES A SEMINAR ON  
AIML Innovations Driving the Industrial Internet of Things



T. VIGNESHWARAN  
FOUNDER & CEO,  
NANDHA INFOTECH

**Date & Time**  
30-09-2024, 03:00 PM

**Venue**  
Ganga Hall

**COORDINATORS**  
Ms.V.Devi,  
AP/AI&ML  
Ms.K.Anupriya,AP/AI&ML

**CONVENOR**  
Dr.R.Vidhya,HoD/AI&ML

**PATRONS**  
Dr.J.Jaya, Principal,  
Dr.K.Karunakaran, CEO

## 6. SEMINAR ON AI, INNOVATION & ENTREPRENEURSHIP

Mr. Sabarinathan Muthu (Gateway Software) addresses how AI fuels entrepreneurial ventures, with case studies on leveraging machine learning for disruptive business models.



**Department of Artificial Intelligence and Machine Learning**

IIC DRIVEN ACTIVITY



4 QUALITY EDUCATION



9 INDUSTRY, INNOVATION AND INFRASTRUCTURE

ORGANISES A SEMINAR

Harnessing AI, Innovation, and Entrepreneurship to Drive Change in the Machine Learning Era"



**Mr.Sabarinathan Muthu**

TECHNICAL MANAGER  
GATEWAY SOFTWARE SOLUTIONS

**Date:** 08/10/2024    **Time:** 11:00Am    **Venue:** Ganga Hall

<b>Staff Co-ordinators</b>	<b>Convenor</b>	<b>Principal</b>	<b>CEO</b>
Ms.V.Devi,AP/AI&ML Ms.K.Anupriya,AP/AI&ML	Dr.R.Vidhya-HoD/AI&ML	Dr.J.Jaya	Dr.K.Karunakaran



## 7. ICT ACADEMY: MICROSOFT POWER BI INAUGURATION

A 5-day technical training kickoff by Vijay Babu (ICT Academy) to equip students with Power BI skills for data visualization and business analytics in AI applications.



### *Hindusthan*

College of Engineering and technology  
An Autonomous Institution  
Department of CSE , IT & AI&ML  
In Association With  
**ICT Academy**  
5 Days Technical Training  
MICROSOFT POWER BI  
**Inauguration**



Chief Guest

## Vijay Babu B.B

Senior relationship manager  
ICT Academy

**Date:** 15/10/2024  
**Time:** 09:30 Am  
**Venue:** Mullai Hall

**Principal**  
Dr.J.Jaya

**CEO**  
Dr.K.Karunakaran

## 8. MICROSOFT POWER BI TRAINING

Hands-on sessions by Mohamed Fakrudeen & Gopinath (ICT Academy) on Power BI tools, enabling students to analyze and visualize large datasets for AI-driven insights.



College of Engineering and technology  
An Autonomous Institution

**Department of CSE , IT & AI&ML**

**MICROSOFT POWER BI**  
**5 Days Technical Training**  
**(15/10.24 to 19/10/2024)**

**Resource Persons**



**MOHAMED FAKRUDEEN M.A**  
**Senior Technical Trainer**  
**Training and Development**  
**ICT Academy**



**GOPINATH.S**  
**Senior Technical T rainer**  
**Training and Development**  
**ICT Academy**

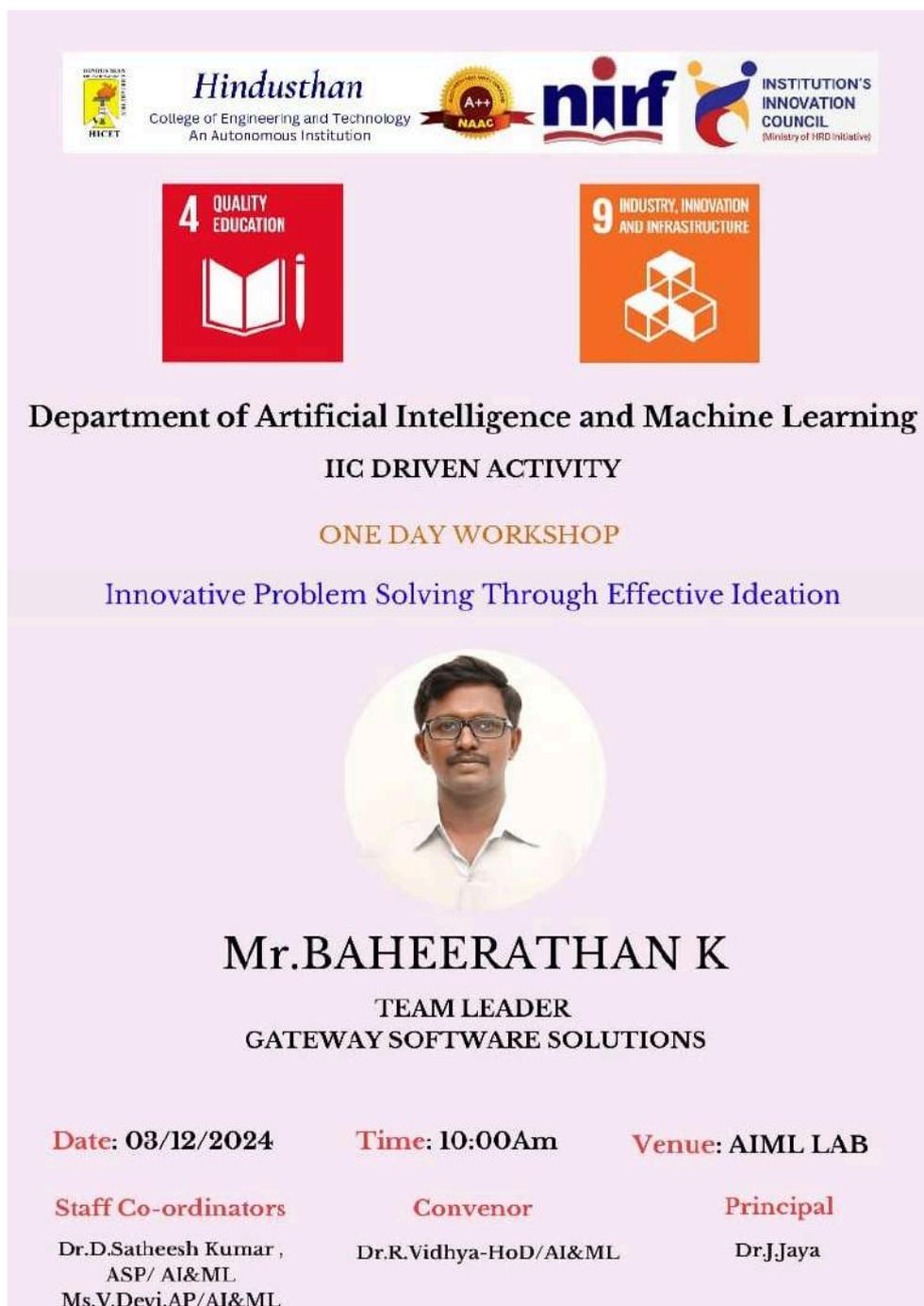
**Venue:**Mullai Hall

**Principal**  
Dr.J.Jaya

**CEO**  
Dr.K.Karunakaran

## 9. WORKSHOP ON INNOVATIVE PROBLEM-SOLVING

Mr. Baheerathan (Gateway Software) guides participants in creative ideation techniques to solve complex AI/ML challenges using structured brainstorming and design thinking.



The banner features logos for Hindusthan College of Engineering and Technology (An Autonomous Institution), NAAC A++ accreditation, NIRF, and the Institution's Innovation Council (Ministry of HRD Initiative). It highlights two key areas: '4 QUALITY EDUCATION' (represented by a book and pen icon) and '9 INDUSTRY, INNOVATION AND INFRASTRUCTURE' (represented by a cube icon). The text identifies the event as a 'Department of Artificial Intelligence and Machine Learning IIC DRIVEN ACTIVITY ONE DAY WORKSHOP' titled 'Innovative Problem Solving Through Effective Ideation'. The team leader is Mr. BAHEERATHAN K, from Gateway Software Solutions. The event is scheduled for 03/12/2024 at 10:00Am in the AIML LAB. Staff co-ordinators are Dr.D.Satheesh Kumar (ASP/ AI&ML) and Ms.V.Devi, AP/AI&ML. The convenor is Dr.R.Vidhya-HoD/AI&ML, and the principal is Dr.J.Jaya.

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**NAAC**  
A++

**nirf**

**INSTITUTION'S  
INNOVATION  
COUNCIL**  
(Ministry of HRD Initiative)

**4** QUALITY  
EDUCATION

**9** INDUSTRY, INNOVATION  
AND INFRASTRUCTURE

Department of Artificial Intelligence and Machine Learning  
IIC DRIVEN ACTIVITY  
ONE DAY WORKSHOP

Innovative Problem Solving Through Effective Ideation

**Mr.BAHEERATHAN K**  
TEAM LEADER  
GATEWAY SOFTWARE SOLUTIONS

**Date:** 03/12/2024      **Time:** 10:00Am      **Venue:** AIML LAB

**Staff Co-ordinators**      **Convenor**      **Principal**

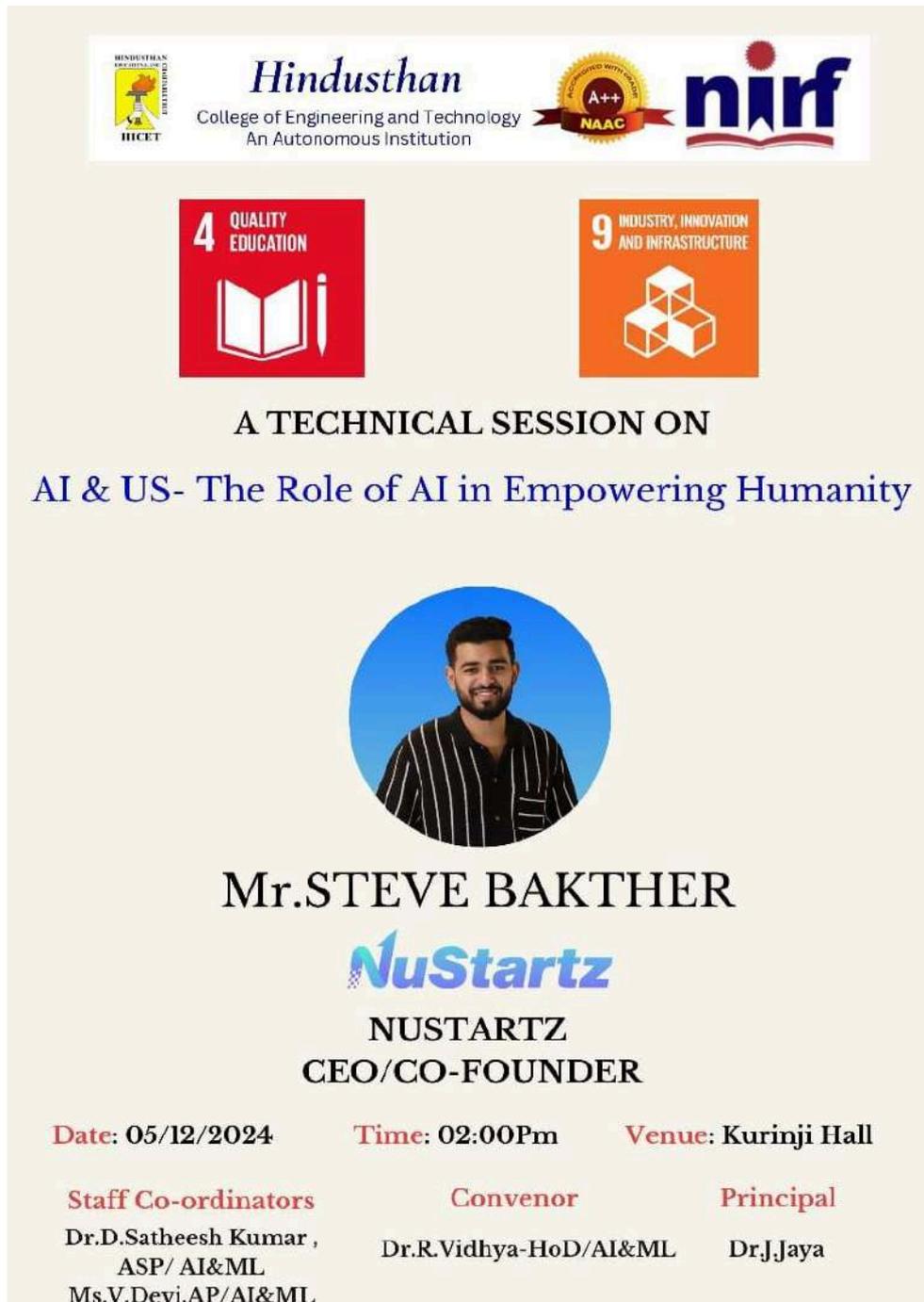
Dr.D.Satheesh Kumar ,  
ASP/ AI&ML  
Ms.V.Devi, AP/AI&ML

Dr.R.Vidhya-HoD/AI&ML

Dr.J.Jaya

## 10. AI'S ROLE IN EMPOWERING HUMANITY

Mr. Steve Bakther (NuStartz) explores ethical AI development, showcasing how technology can address societal issues like healthcare, education, and accessibility.



 **Hindusthan**  
College of Engineering and Technology  
An Autonomous Institution

**4** QUALITY EDUCATION

**9** INDUSTRY, INNOVATION AND INFRASTRUCTURE

A TECHNICAL SESSION ON  
**AI & US- The Role of AI in Empowering Humanity**



**Mr. STEVE BAKTHER**  
**NuStartz**  
NUSTARTZ  
CEO/CO-FOUNDER

**Date:** 05/12/2024      **Time:** 02:00Pm      **Venue:** Kurinji Hall

<b>Staff Co-ordinators</b>	<b>Convenor</b>	<b>Principal</b>
Dr.D.Satheesh Kumar , ASP/ AI&ML Ms.V.Devi,AP/AI&ML	Dr.R.Vidhya-HoD/AI&ML	Dr.J.Jaya

## 11. DRIVING INNOVATION WITH AI FOR ENGINEERS

A follow-up session by Mr. Steve Bakther on AI's transformative impact in engineering, covering automation, predictive maintenance, and smart infrastructure.



Department of Artificial Intelligence and Machine Learning

A TECHNICAL SESSION ON

Driving Innovation with AI: A Game-Changer for  
Engineers



Mr. STEVE BAKTHER

**NuStartz**

NUSTARTZ  
CEO/CO-FOUNDER

**Date:** 24/01/2025

**Time:** 11:00AM

**Venue:** Kurinji Hall

**Staff Co-ordinators**

Dr.D.Satheesh Kumar ,  
ASP/ AI&ML  
Ms.V.Devi,AP/AI&ML

**Convenor**

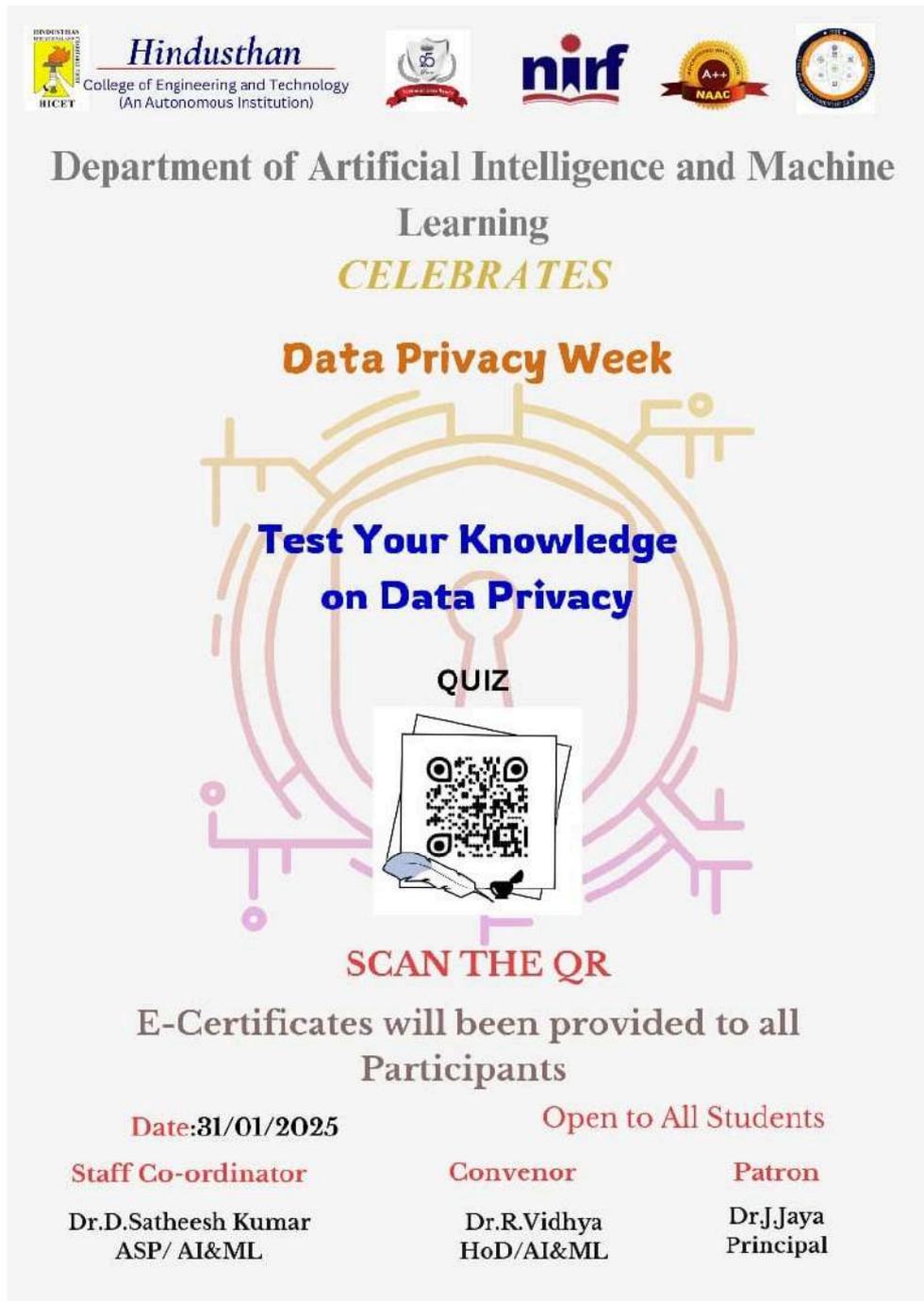
Dr.R.Vidhya-HoD/AI&ML

**Principal**

Dr.J.Jaya

## 12. DATA PRIVACY QUIZ

An interactive quiz testing students' knowledge of data security, GDPR, and privacy-preserving AI techniques, emphasizing ethical data handling.



The poster features a central graphic of a stylized human head with circuitry, overlaid with a QR code and a pen nib. The text is arranged in a clear, hierarchical manner, starting with the department name and celebrating the week. It includes accreditation logos at the top and lists the organizers and dates at the bottom.

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Department of Artificial Intelligence and Machine  
Learning  
**CELEBRATES**  
**Data Privacy Week**

**Test Your Knowledge  
on Data Privacy**  
QUIZ

**SCAN THE QR**

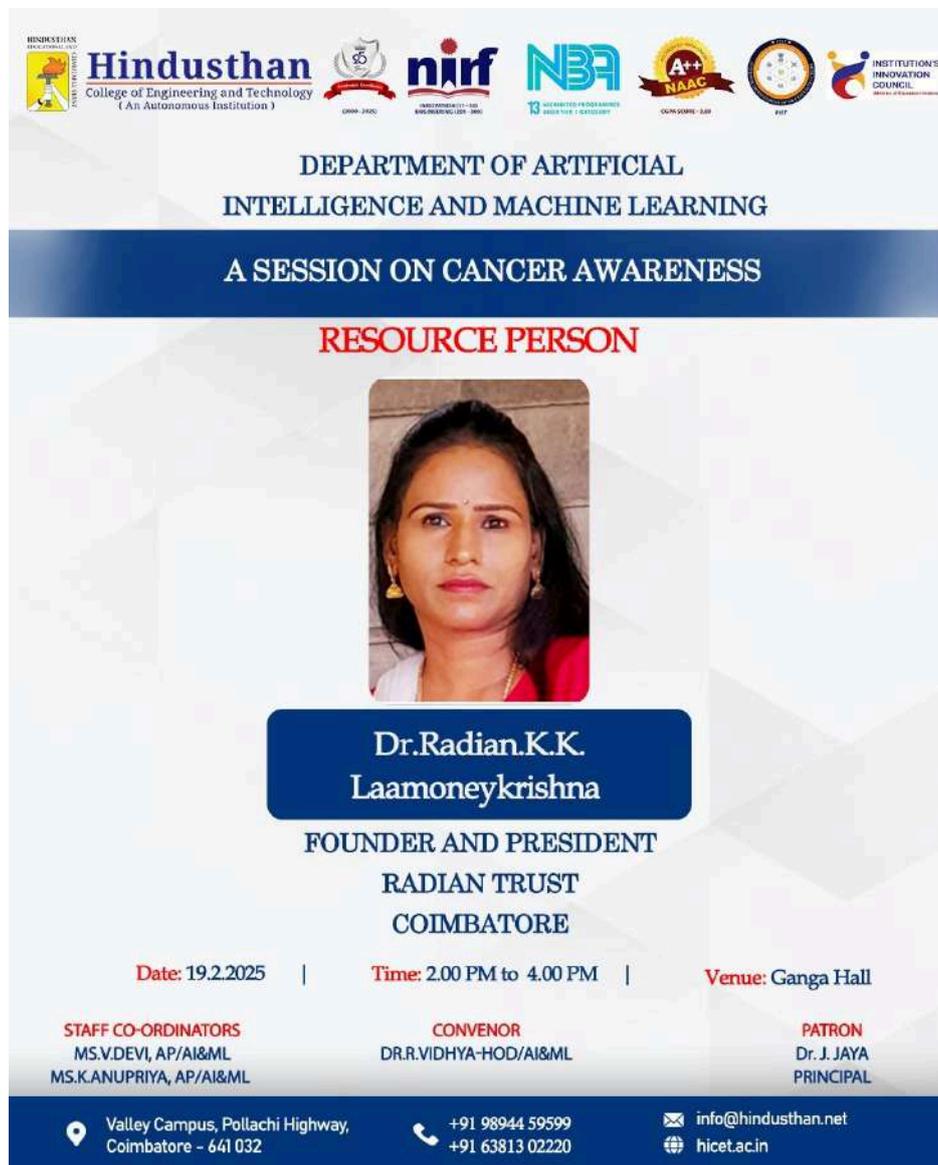
E-Certificates will be provided to all  
Participants

**Date: 31/01/2025** **Open to All Students**

<b>Staff Co-ordinator</b>	<b>Convenor</b>	<b>Patron</b>
Dr.D.Satheesh Kumar ASP/ AI&ML	Dr.R.Vidhya HoD/AI&ML	Dr.J.Jaya Principal

## 13. CANCER AWARENESS SESSION

Dr. Radian K.K. Laamoneykrishna (Radian Trust) discusses AI's role in early cancer detection, diagnosis, and the intersection of technology with healthcare.



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(An Autonomous Institution)

**nirf**  
NATIONAL INSTITUTE FOR RANKING  
OF UNIVERSITIES (2018-2020)

**NBA**  
NATIONAL BOARD OF ACCREDITATION  
13 ACCREDITED PROGRAMS  
2018-2020

**A++ NAAC**  
OUPA SCORE: 5.89

**INSTITUTION'S INNOVATION COUNCIL**  
Member of Innovation Council

DEPARTMENT OF ARTIFICIAL  
INTELLIGENCE AND MACHINE LEARNING

A SESSION ON CANCER AWARENESS

**RESOURCE PERSON**



**Dr.Radian.K.K.  
Laamoneykrishna**

FOUNDER AND PRESIDENT  
RADIAN TRUST  
COIMBATORE

**Date:** 19.2.2025 | **Time:** 2.00 PM to 4.00 PM | **Venue:** Ganga Hall

**STAFF CO-ORDINATORS**  
MS.V.DEVI, AP/AI&ML  
MS.K.ANUPRIYA, AP/AI&ML

**CONVENOR**  
DR.R.VIDHYA-HOD/AI&ML

**PATRON**  
Dr. J. JAYA  
PRINCIPAL

Valley Campus, Pollachi Highway,  
Coimbatore - 641 032

+91 98944 59599  
+91 63813 02220

info@hindusthan.net  
hicet.ac.in

## 14. WORKSHOP ON SELENIUM FOR AUTOMATION

Mr. Ramsunder (Nallas Tech) demonstrates Selenium tools for AI-driven test automation, enhancing students' skills in software QA and intelligent system validation.



The poster features the Hindusthan College of Engineering and Technology logo at the top left, followed by accreditation logos for UGC, NIRF, NBA, NAAC (A++), and RST. Below these is the logo for the Institution's Innovation Council. The main title reads 'DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING'. A dark blue banner below the title contains the text 'ONE DAY WORKSHOP ON SELENIUM FOR DRIVING INNOVATION IN DESIGN AND AUTOMATION'. The 'RESOURCE PERSON' section includes a portrait of Mr. Ramsunder S K and his title: 'MR. RAMSUNDER S K SENIOR TECHNICAL LEAD, NALLAS TECHNOLOGIES PVT LTD COIMBATORE.'. The event details are listed as: Date: 25.03.2025, Time: 10:00 AM - 4:30 PM, Venue: AIML Lab. The coordinators are Dr. D Satheesh Kumar (ASP/AIML) and Ms. V Devi (AP/AIML). The convenors are Dr. R Vidhya (HOD/AIML) and Dr. J. Jaya (Principal HICET). The footer provides the location (Valley Campus, Pollachi Highway, Coimbatore - 641032), contact numbers (+91 80983 33333 and +91 90470 10006), and email addresses (info@hindusthan.net and hicet.ac.in).

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**nirf**  
NIRF RANKING (11-20)  
BUDGET NO. 107-192

**NBA**  
14 ACCREDITED PROGRAMS  
NALLAS TECH COIMBATORE

**A++**  
NAAC  
CGPA SCORE: 3.28

**RST**

**INSTITUTION'S INNOVATION COUNCIL**  
University of Innovation Initiatives

**DEPARTMENT OF ARTIFICIAL INTELLIGENCE  
AND MACHINE LEARNING**

**ONE DAY WORKSHOP ON SELENIUM FOR  
DRIVING INNOVATION IN DESIGN AND AUTOMATION**

**RESOURCE PERSON**



**MR. RAMSUNDER S K**  
SENIOR TECHNICAL LEAD,  
NALLAS TECHNOLOGIES PVT LTD  
COIMBATORE.

**Date:** 25.03.2025      **Time:** 10 : 00 AM – 4 : 30 PM      **Venue:** AIML Lab

**COORDINATORS**      **CONVENOR**      **CONVENOR**

Dr. D SATHEESH KUMAR ASP/AIML,  
Ms V DEVI, AP/AIML      Dr R VIDHYA  
HOD/AIML      Dr. J. JAYA  
PRINCIPAL HICET

Valley Campus Pollachi Highway  
Coimbatore - 641 032      +91 80983 33333  
+91 90470 10006      info@hindusthan.net  
hicet.ac.in



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## 15. AIML SYMPOSIUM - KAISER

The Department of Artificial Intelligence and Machine Learning at Hindusthan College of Engineering and Technology, Coimbatore, proudly presents KAISER'25, a national-level technical symposium on April 8, 2025. The event features exciting competitions like Paper Presentation (Draft to Craft), Code & Load (coding challenge), Fix the Mix (debugging), and Booyah Battle (tech quiz), alongside a Machine Learning Workshop and fun activities like Weeb Quest (anime/gaming trivia). Participants can win attractive prizes while networking with peers and experts. Organized by Dr. R. Vidhya (HOD) and faculty coordinators, KAISER'25 promises a day of innovation, learning, and competitive spirit. For details, contact: [Kaiser2k25@gmail.com](mailto:Kaiser2k25@gmail.com) or the student coordinators.



## HINDUSTHAN COLLEGE OF ENGINEERING AND TECHNOLOGY

VALLEY CAMPUS, POLLACHI HIGHWAY, COIMBATORE, TAMIL NADU - 641032



DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING

PROUDLY PRESENTS

A NATIONAL LEVEL TECHNICAL SYMPOSIUM

# KAISER'25

HAPPENING ON

## 08 APRIL 2025

REGISTRATION FEE : INR 150

**PARTICIPATE AND WIN ATTRACTIVE PRIZES**

### TECHNICAL EVENTS

- TYPE 'N' HYPE (Coding)
- DRAFT TO CRAFT (Paper Presentaion)
- CODE & LOAD
- FIX THE MIX (Coding)
- WORKSHOP (on ML)

### CONVENOR

Dr. R. Vidhya -HOD/ AIML



STUDENT CO-ORDINATORS

### NON - TECHNICAL EVENTS

- BOOYAH BATTLE
- DROP 'N' POP
- WEEB QUEST
- BEYOND THE FRAME

### FACULTY CO-ORDINATORS

Dr. D. Satheesh Kumar - ASP/AIML  
Mrs. V. Devi - AP/AIML

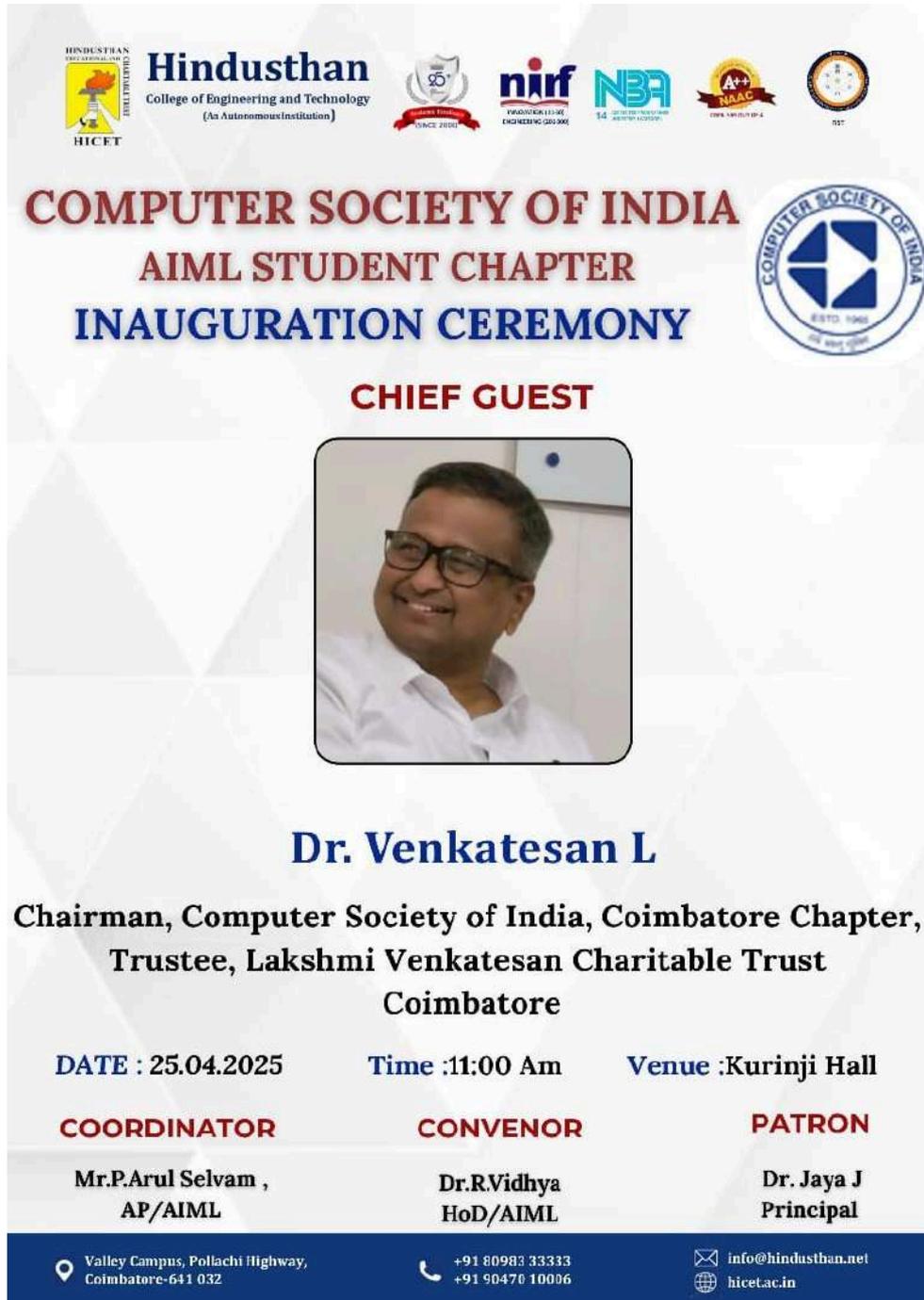
[kaiser2k25@gmail.com](mailto:kaiser2k25@gmail.com)

CO-ORDINATOR 1 - 7397688734 | CO-ORDINATOR 2 - 6369854037

[kaisernite](https://www.instagram.com/kaisernite)

## 16. CSI INAUGURATION CEREMONY

Officiating the Computer Society of India chapter with Dr. Venkatesan L, promoting technical activities, competitions, and AI research collaborations.



The poster features a light blue and white geometric background. At the top, it displays the logos of Hindusthan College of Engineering and Technology, NIRF, NBA, and NAAC. The central text, in bold red and blue fonts, reads 'COMPUTER SOCIETY OF INDIA AIML STUDENT CHAPTER INAUGURATION CEREMONY'. To the right is the logo of the Computer Society of India. Below this, 'CHIEF GUEST' is written in red, followed by a portrait of Dr. Venkatesan L. His title and role are listed below the portrait. At the bottom, the event details (Date, Time, Venue) and the names of the Coordinator, Convenor, and Patron are provided in a structured layout.

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**COMPUTER SOCIETY OF INDIA**  
**AIML STUDENT CHAPTER**  
**INAUGURATION CEREMONY**

**CHIEF GUEST**



**Dr. Venkatesan L**  
Chairman, Computer Society of India, Coimbatore Chapter,  
Trustee, Lakshmi Venkatesan Charitable Trust  
Coimbatore

**DATE : 25.04.2025**      **Time :11:00 Am**      **Venue :Kurinji Hall**

<b>COORDINATOR</b>	<b>CONVENOR</b>	<b>PATRON</b>
<b>Mr.P.Arul Selvam , AP/AIML</b>	<b>Dr.R.Vidhya HoD/AIML</b>	<b>Dr. Jaya J Principal</b>

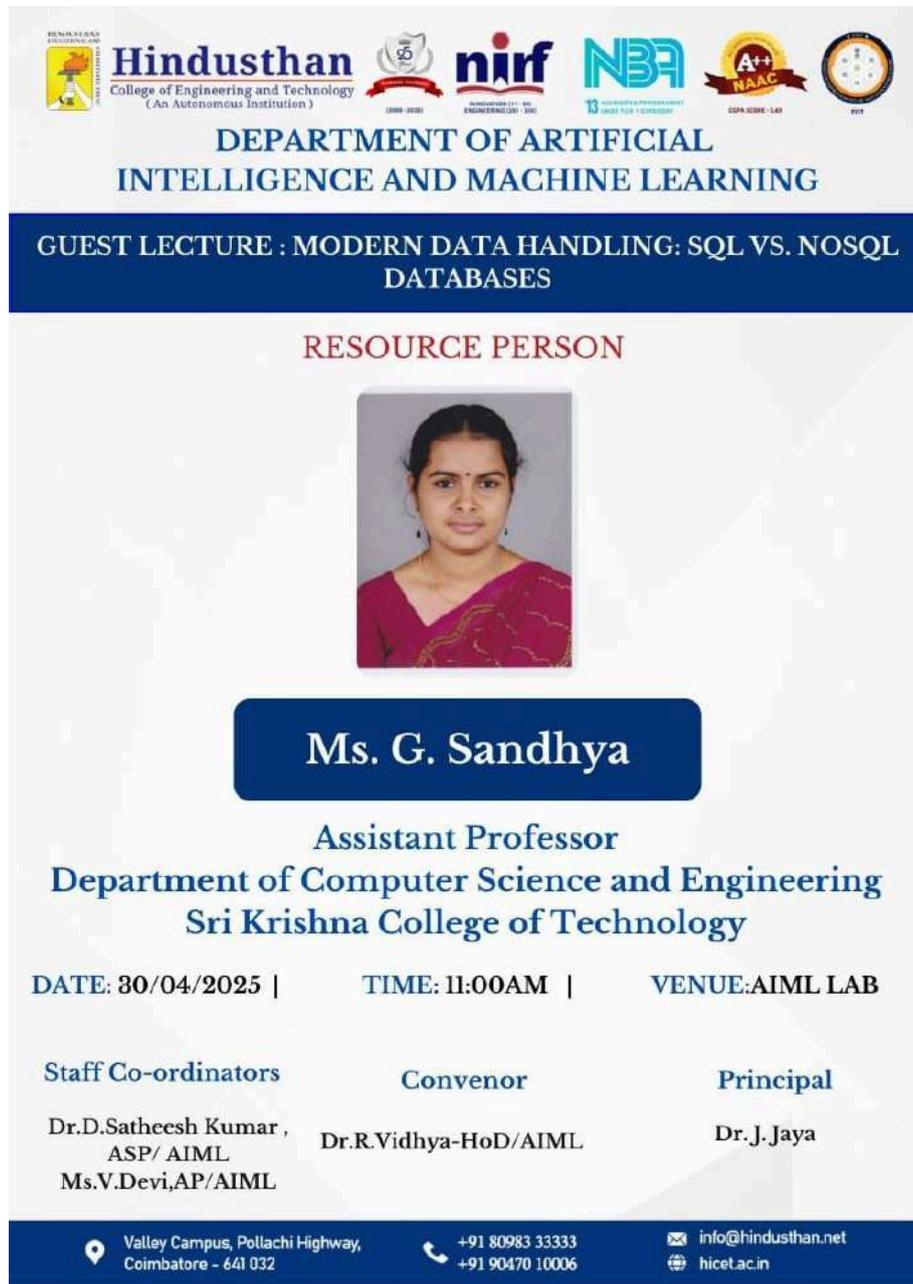
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Coimbatore-641 032

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+91 90470 10006

info@hindusthan.net  
hicetac.in

## 17. GUEST LECTURE: SQL VS NOSQL DATABASES

Ms. G. Sandhya (SKCT) compares database architectures, focusing on their relevance in AI/ML for handling structured and unstructured data efficiently.



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**nirf**  
NATIONAL INSTITUTE FOR RANKING OF INSTITUTIONS  
ENGINEERING (2018 - 2021)

**NBA**  
NATIONAL BOARD OF ACCREDITATION  
13  
ACCREDITED & PROGRAMS APPROVED  
2018 FEB 15, 2018

**A++  
NAAC**  
CGPA SCORE - 3.48

**DEPARTMENT OF ARTIFICIAL  
INTELLIGENCE AND MACHINE LEARNING**

**GUEST LECTURE : MODERN DATA HANDLING: SQL VS. NOSQL  
DATABASES**

**RESOURCE PERSON**



**Ms. G. Sandhya**

**Assistant Professor**  
**Department of Computer Science and Engineering**  
**Sri Krishna College of Technology**

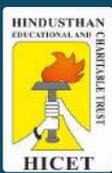
**DATE: 30/04/2025 | TIME: 11:00AM | VENUE:AIML LAB**

Staff Co-ordinators	Convenor	Principal
Dr.D.Satheesh Kumar , ASP/ AIML Ms.V.Devi,AP/AIML	Dr.R.Vidhya-HoD/AIML	Dr. J. Jaya

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Coimbatore - 641 032

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+91 90470 10006

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## AWARDS AND RECOGNITIONS OF FACULTY MEMBERS

S.No	Name of the Faculty	Name of the Award won	Name of the agency	Year
1	Dr.R.Vidhya	Best Women Faculty Award	Scientific International Publishing House	2024
2	Dr.R.Vidhya	Journal Reviewer	Springer Nature- Journal of Computer Virology and Hacking Techniques	2025
3	Dr.R.Vidhya	Journal Reviewer	Springer Nature- Biomedical Materials & Devices	2025
4	Dr.R.Vidhya	Journal Reviewer	Springer Nature- Scientific Reports	2025
5	Dr.D.Satheesh Kumar	Journal Reviewer	Asian Journal of Research in Cardiovascular Diseases	2024
6	Dr.D.Satheesh Kumar	Journal Reviewer	Asian Journal of Education and Social Studies	2024
7	Dr.D.Satheesh Kumar	Journal Reviewer	Journal of Autonomous Intelligence	2024
8	Dr.D.Satheesh Kumar	Journal Reviewer	Journal of Global Research in Education and Social Science	
9	Dr.D.Satheesh Kumar	Resource Person - Key note Address- Conference	Annapoorana Engineering College, Salem	2025
10	Dr.D.Satheesh Kumar	Journal Reviewer	Neural Computing and Applications	2025

## JOURNAL PUBLICATIONS

S.No	Name of all the Authors	Title of the Publication	SCI/ SCIE/Scopus/ WoS	Volume/Issue No./Page No.	Impact Factor	Year of Publication
1	P.K.Poonguzhal i P Geetha R.Vidhya	Multi-objective cluster head based energy efficient routing using THDCNN with hybrid capuchin search and woodpecker mating algorithm in WSN	Annexure 1 SCI,Scopus	Volume 31, pages 2495– 2511, (2025)	2.1	2025
2	S. Leelavathy, S.Balakrishnan, R. Vidhya	Multi-objective cluster head based energy efficient routing using THDCNN with hybrid capuchin search and woodpecker mating algorithm in WSN	Scopus	2024,10(4), pp. 1556– 1566.	9	2024
3	Arvind Kumar Soumya M R.Vidhya	Leveraging Artificial Neural Networks for Fruit Quality Prediction: Advancements in Advancements in Food Technology and Quality Control	Scopus			



# HINDUSTHAN COLLEGE OF ENGINEERING AND TECHNOLOGY

VALLEY CAMPUS, POLLACHI HIGHWAY, COIMBATORE, TAMIL NADU - 641032

4	R.Vidhya M.J.Aswin Jaya Surya	A Comparative Estimation of Media Manipulation Disclosure using Machine Learning Algorithms	Scopus	979-8-3503-6810-9/24		2024
5	Karhik R Marsal S Asmithashree R. R Vidhya	Mitigating Light Detection and Ranging Spoofing Attacks in Connected Vehicle Systems Using Machine Learning Based Anomaly Detection	Scopus	979-8-3315-3496-7/24		2024
6	Mahaveerakanan R P.K.Poonguzhali Murali Dhar M S R Vidhya	Novel Deep Learning Framework for Intrusion Detection: Integrating Dual- staged Attention and Squirrel Search Optimization for Enhanced Accuracy	Scopus	2025,913-920		2025
7	Amit K. Mogal Vaibhav P. Sonaje, Prasanthi Gottumukkala Satheesh Kumar D	Efficiency Beyond Limits: LSTM and k-NN Synergy for Forecasting Energy Needs in Data Centers	Scopus	IEEE Xplore		2024

## CONFERENCE PROCEEDINGS

S.No	Name of all the Authors	Title of the Publication	Name of the Conference Proceedings	Scopus/ Others	Year
1	Dr. R. Vidhya Kaamesh S Abinesh S Olaganathan G Srivathsan S	Multimodal Sign Language Recognition Using Computer Vision and EMG Signals	Proceedings of 5th international Conference on Recent Trends in Engineering Technology and Management 4th & 5th April, 2025	Others	2025
2	Dr. Vidhya. R Abdul Akram A Jeberson nishith A Ahamed Akhil MN Adish H	Efficient Ai-Based Career Platform for Personalized Job Recommendations Using NLP and ML	Proceedings of 5th international Conference on Recent Trends in Engineering Technology and Management 4th & 5th April, 2025	Others	2025
3	D.Satheesh Kumar Shiny Jose Jenifer V kaviya S Divyaa Ranjani V E Rasiga Priya M	Autism Detection Using a Hybrid Model	4th International Conference on Building a Sustainable Future with Recent Trends in Science and Technology	Others	2025
4	Arul Selvam P and Tamije Selvy P	Hybrid GRU- CNN Approach for Insider Attack Classification in Cloud Networks	15th International Conference on Science and Innovation Engineering- 2025 (ICSIE 2025) 2nd International	Others	2025
5	Arul Selvam P, Dinesh Kumar G, Ajith T, Gokulnath G, jainul abeeden A	Natural Language Query System Using Excel	Conference on Advances in Engineering and Medical Sciences- 2025	Others	2025

## BOOKS PUBLISHED

S.No	Name of the Authors	Title of the Book published	ISBN No.	Name of the Publisher	Year
1	Dr.R.Vidhya Dr.D.Satheeshkumar	Cyber Security Essentials		HICET	2024
2	Dr.S.Shankar Dr.R.Vidhya Ms.P.Anupriya	Problem Solving using C Programming		HICET	2024
3	Dr.R.Vidhya Mr.P.Arulsevam	Introduction to Artificial Intelligence and Machine Learning		HICET	2024
4	Ms.R.Sujitha Dr. T. Buvaneswari, Mr. P. N. Periyasamy, Dr. D. Satheesh Kumar	Web Technology	978-93-5857-587-3	Innovative Research and Educational Services	2024
5	Dr.D.Satheesh Kumar, Dr.K.Vignesh, Dr.Sakthi Govindaraj Dr.Sudharson D	Mastering Python: A comprehensive Guide to Programming and Problem Solving	978-93-92151-87-3	First Book Publishing Madurai	2024
6	Ms.Renu Kumari, Dr. Jitandera Kumar singh, Mrs.V.Devi, Dr. R. Bhuvana	Artificial Intelligence	978-936-132-798-8	Scientific International Publishing House	2024

## MENTOR'S CERTIFICATION



**NPTEL** **swayam**

**CERTIFICATE OF APPRECIATION**  
is awarded to

**VIDHYA. R**  
**HINDUSTHAN COLLEGE OF ENGINEERING & TECHNOLOGY**  
COIMBATORE, TAMIL NADU

in recognition of his/her role as mentor for the  
NPTEL Online Certification course

**CLOUD COMPUTING**  
**JAN - APR 2025**

Mentees Enrolled	Mentees Present	Score (in %)					Toppers
		<40	40-59	60-74	75-89	>=90	
24	20	6	9	5	0	0	

QR Code

**PROF. ANDREW THANGARAJ**  
NPTEL Coordinator  
IIT Madras



**NPTEL** **swayam**

**CERTIFICATE OF APPRECIATION**  
is awarded to

**SATHEESH KUMAR D**  
**HINDUSTHAN COLLEGE OF ENGINEERING & TECHNOLOGY**  
COIMBATORE, TAMIL NADU

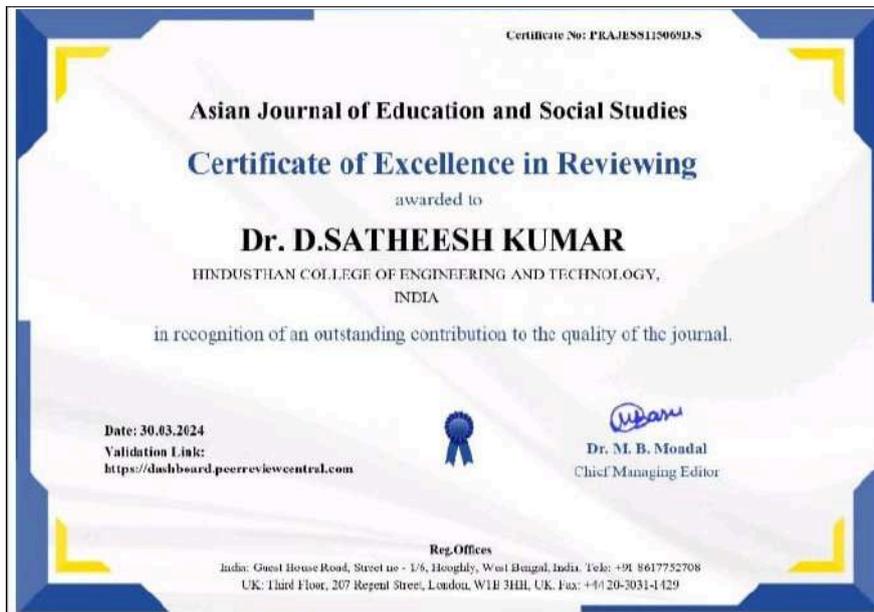
in recognition of his/her role as mentor for the  
NPTEL Online Certification course

**CLOUD COMPUTING**  
**JAN - APR 2025**

Mentees Enrolled	Mentees Present	Score (in %)					Toppers
		<40	40-59	60-74	75-89	>=90	
21	21	8	9	4	0	0	

QR Code

**PROF. ANDREW THANGARAJ**  
NPTEL Coordinator  
IIT Madras





# HINDUSTHAN COLLEGE OF ENGINEERING AND TECHNOLOGY

VALLEY CAMPUS, POLLACHI HIGHWAY, COIMBATORE, TAMIL NADU - 641032



DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING



*Congratulations*

**NPTEL Achievers (Jan - Apr 2025)**

Outcome Based Pedagogic Principles For Effective Teaching

**ELITE**



**Dr.D.Satheesh Kumar**  
Associate professor

**ELITE - SILVER**



**Dr.R.Vidhya**  
Professor & HoD

**ELITE**



**Mr.P.Arul selvam**  
Assistant Professor



## MOU'S SIGNED



The signing of a Memorandum of Understanding (MoU) between the **Department of Artificial Intelligence and Machine Learning (AIML)** and “**Gateway Solutions**”. This strategic collaboration aims to bridge the gap between academia and industry, fostering innovation and practical knowledge transfer in AI and machine learning applications.

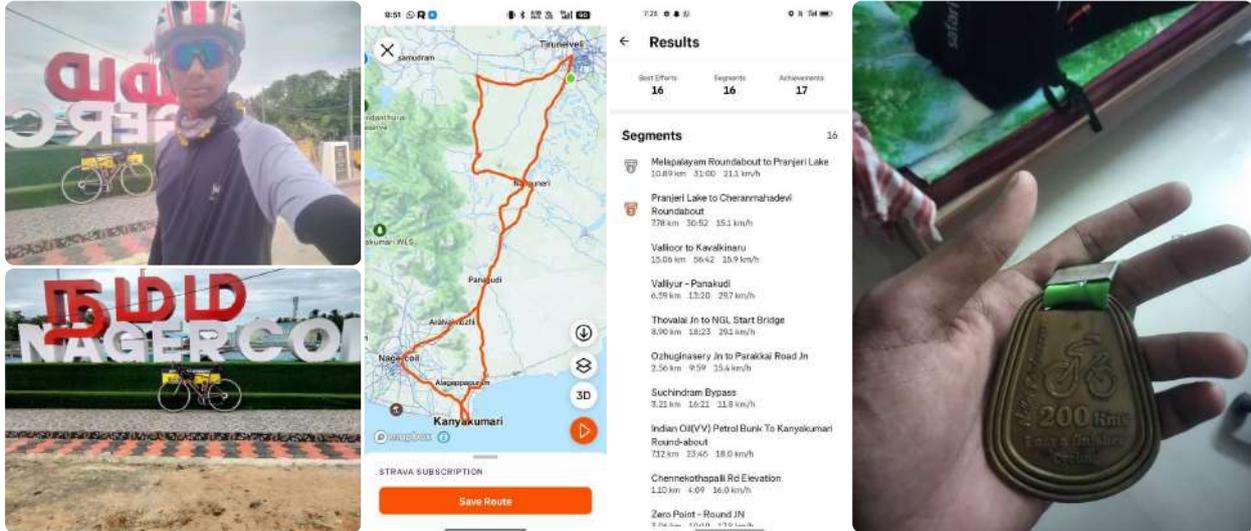


Department of **Artificial Intelligence and Machine Learning** is excited to announce the signing of a Memorandum of Understanding with **Nandha Infotech**, pioneers in developing software for enhancing the performance of the business enterprise.



Department of **Artificial Intelligence and Machine Learning** has officially signed a Memorandum of Understanding (MoU) with **ZED Digital**, pioneers in Transit Technology, specializing in AI/ML-driven and IoT enabled solutions to establish a strong partnership aimed at fostering Innovation, Research, and Collaboration!

## STUDENTS ACHIEVEMENTS



**Name: Rakshaak Event: 200km BRM (Brevet de Randonneurs Mondiaux)**  
**Category: Under-age category Achievement: Secured 2nd place Highlight:**  
**Successfully completed a long-distance endurance ride**



**Name : Manjusha**  
**Event: Dance**



**Name : Angel Mary I Event :**

**Oru Pakka kadhai**

**Achievement: 2nd place**



**Name: Barath Raj Event: State Meet Shooting Competition – 2024**

**Recognition: Appreciated by Deputy Director General (TN, P, AN)**

**Commodore S. Raghav Achievement : Outstanding performance in the shooting competition**

**THE ULTIMATE WEB DESIGN WORKSHOP:  
HTML, CSS & JAVASCRIPT**

Free Demo Sessions on :

- Introduction to Frontend Development
- Building Web Pages with HTML & CSS
- Interactive Web Pages with JavaScript

Session Dates: 21st, 22nd and 23rd March 2025  
Learning Mode: Online (Live Sessions)  
Certifications: Certification of completion

Engiversee | Parvathy CS  
knowledge@engiversee.com

**ENGIVERSEE**  
EXPLORE. LEARN. INNOVATE.

**HTML SESSION**  
BASICS TO ADVANCED

Let's share ideas, progress and synergy together.

JOIN AT google meet  
DATE 26th Jan 2025  
TIME 06:00 - 07:00 PM

Engiversee | Parvathy CS  
knowledge@engiversee.com

**ENGIVERSEE**  
EXPLORE. LEARN. INNOVATE.

**"Foundations of AI and ML"**

Let's share ideas, progress and synergy together.

JOIN AT google meet  
DATE 9th Nov 2024  
TIME 07:30 - 08:30 PM

Engiversee | Parvathy CS  
knowledge@engiversee.com

**ENGIVERSEE**  
EXPLORE. LEARN. INNOVATE.

**Informed Search Algorithm and Map Colouring Algorithm**

Let's share ideas, progress and synergy together.

JOIN AT google meet  
DATE 31st Dec 2024  
TIME 08:00 - 09:00 PM

Engiversee | Parvathy CS  
knowledge@engiversee.com

**Name : Parvathy CS**

**II - AIML**

**Achievement: Resource Person**



**II - AIML**

**Achievement: National level hackathon**



**Name: S.KishorBabu**

**III - AIML**

**Achievement: Won second place in coding competition held at Techno Fest of Rathinam Group of Institutions and got a cash prize of Rs1000**



**Name: Mr Ganesh Harish Narayana and Mohamad Rashik**

**II - AIML**

**Achievement: In collaboration with Steve Bakther from nustartz they launched Creatormeets , a platform that's rethinking how creators and brands collaborate in today's digital world.**

## 2021 - 2025 BATCH PLACED STUDENTS



**SANJANA MAHALAKSHMI**

Placed at Zoho with 6LPA



**MUKESH**

Placed at CTS with 4LPA



**PARAMESH**

Placed at CTS with 4LPA



**ABDUL AKRAM**

Placed at CTS with 4LPA



**OLAKANATHAN**

Placed at BLUEYOUNDER with 5.47 LPA



**SIVADHANDAPNI SIVAKUMAR**

Placed at GREENBOTZ with 4.7 LPA

## 2022 - 2026 BATCH PLACED STUDENTS



**Mr. Kishore Babu**

Place at CodingMart for 4.2 LPA



**Praveen A**

Placed at Edgevere System With 3.6LPA

## ACADEMICALLY OUTSTANDING STUDENTS

---



**Suruthika M R**

**CGPA: 9.45**

**2nd Year AIML**

**Batch: 2023-27**



**Dhanush A**

**CGPA: 9.2**

**3rd Year AIML**

**Batch: 2022-26**



**OLAKANATHAN**

**CGPA: 9.2**

**4th Year AIML**

**Batch: 2021-25**

## STUDENTS OF DEPARTMENT OF AIML



## INDUSTRIAL VISIT



# Department of Chemical Engineering

Workshop on "Hands-on Training on Innovative Design Using Pro Simulator-PS2000"

Brochure



DEPARTMENT OF CHEMICAL ENGINEERING  
Organizes  
Five Days Workshop on  
"Hands-on Training on Innovative Plant Design Using Pro simulator -PS 2000"  
IIC-Self Driven



M. Guruprakash  
Simulation Engineer  
Sim Infosystems Private Limited  
Chennai

Days and Time: 17 to 21 Feb 2025, 9 am - 4:30 pm  
VENUE: Design and Simulation Lab, HICET

Event Coordinator	Convenor	Patron
Mr. S. Nagul Dev/AP, Chemical Mr. R. Ramalingam /AP, Chemical	Dr. R. Palani HoD/Chemical Engg	Dr. J. Jaya Principal

Valley Campus, Polachi Highway,  
Coimbatore-641 032  
+91 80983 33333  
+91 90470 10009  
info@hindusthan.net  
hicet.ac.in

## OUTCOME

Students will be able to learn pro simulator workshop using simulation tools with pro simulator software. Students will understand to practice real-world situations in a risk-free environment to improve response and decision-making. Students will develop the ability to analyze data and case studies to evaluate the impact of innovations on industry operation. Students will apply how to analyze simulation results and apply insights to improve efficiency and effectiveness in actual work environments. Students will learn using simulation to test emergency response procedures and safety protocols without real-world consequences.



# Program on “1 Day Webinar On Research Methodology”

**Hindusthan**  
College of Engineering and Technology  
(An Autonomous Institution)

**nirf** **NBA** **NAAC**

**DEPARTMENT OF CHEMICAL ENGINEERING**  
ORGANIZES  
**1 DAY WEBINAR ON RESEARCH METHODOLOGY**

**MS.A.MONICA SILVENAS**  
Assistant Professor  
Department of Chemical Engineering  
Agra College of Technology

Date: 18.03.2025 | Time: 10:00 AM | Venue: Class Room No T305

**CO-ORDINATOR**  
Dr G SASIREKA  
ASSOCIATE PROFESSOR  
DEPARTMENT OF CHEM.ENG

**CONVENOR**  
Dr R PALANI  
HOD CHEMICAL  
HICET

**PATRON**  
Dr J JAYA  
PRINCIPAL

Valley Campus, Pollachi Highway  
Coimbatore - 641 032

+91 80983 33333  
+91 90470 10006

info@hindusthan.net  
hicet.ac.in

**HINDUSTHAN COLLEGE OF ENGINEERING AND TECHNOLOGY**  
AGRA

## OUTCOME

Ms. Monica Silvenas introduced about her and interacted with our students. She started to talk about the Application of Research Methodology in Chemical Engineering field. Students will develop a clear understanding of fundamental research concepts like hypothesis, variables, research design, data collection, analysis, and interpretation. Students will learn how to formulate clear, concise, and relevant research questions or problems to guide their research process. Students will gain skills in selecting and designing appropriate research methods (qualitative, quantitative, or mixed methods) and understanding their advantages and limitation. They will learn various techniques of data collection, such as surveys, interviews, observations, and experiments, and how to choose the most suitable method based on the research goals. They will learn about ethical standards in research, including issues like consent, confidentiality, and integrity. They will develop the ability to critically evaluate research methods, data, and findings, and apply logical reasoning to solve research problems. Students will learn how to present their research findings in well-structured reports or papers, following academic writing conventions, and



# Program On “Innovation In Biofuels Chemical Engineering Role In A Sustainable Energy Future”

## OUTCOME

Students will be able to learn the latest innovations in biofuel production, including second- and third-generation biofuels. Students will understand the role of chemical engineers in optimizing biomass conversion processes and improving yield efficiency. Students will develop to evaluate the impact of innovations on industry operation. Students will be able to learn integration of renewable feedstocks and green chemistry principles in biofuel development. Students will develop to evaluate the impact of innovations on biofuel. Students will learn the importance of interdisciplinary collaboration to overcome technical, economic, and environmental challenges.

Event Brochure

**Hindusthan**  
College of Engineering and Technology  
(An Autonomous Institution)

**nirf**  
NATIONAL INSTITUTE OF  
RANKING FOR  
FACULTY OF ENGINEERING

**NEA**  
NATIONAL ENGINTEERING ACADEMY

**AACSB**  
ASSOCIATION TO ADVANCE COLLEGE  
SCHOOL BUSINESS

**DEPARTMENT OF CHEMICAL ENGINEERING**  
IIC SELF DRIVEN ACTIVITY  
Organizes

**INNOVATIONS IN BIOFUELS**  
CHEMICAL ENGINEERING'S ROLE IN A SUSTAINABLE ENERGY FUTURE

**RESOURCE PERSON**

**Mr. MOHAN R A**  
R&D Engineer  
EEB Engineering Design and Consultancy Services  
Chennai

Date: 24.03.2025      Time: 10.00 am      Venue: Ganga Hall

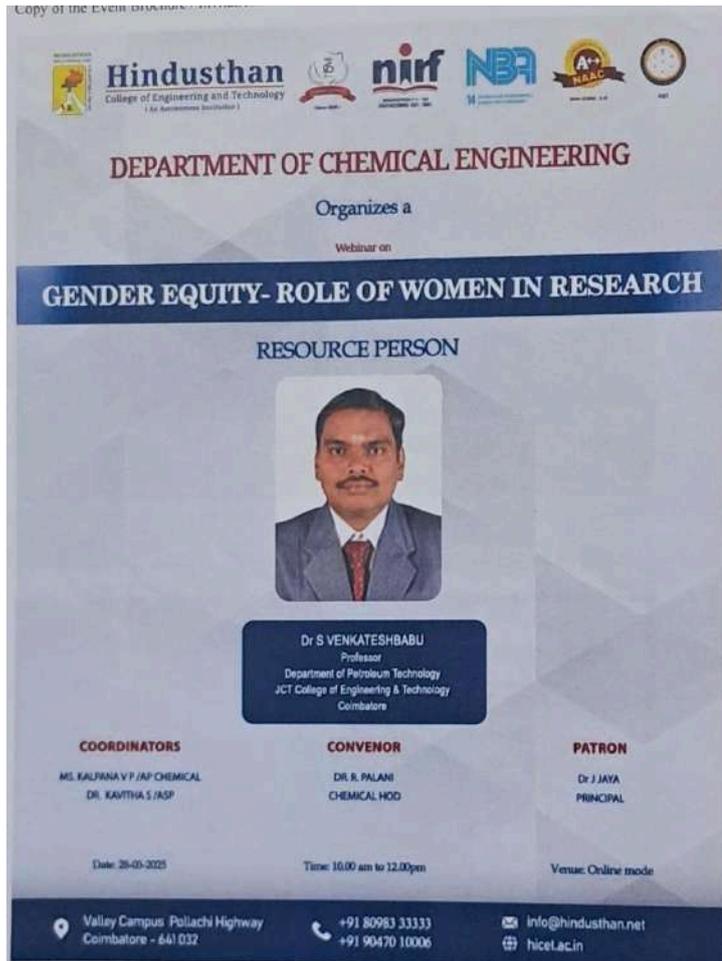
CO-ORDINATOR: Mr. R RAMALINGAM/AP CHEMICAL      CONVENOR: Dr. R. PALANI HOD/CHEMICAL ENGG      PATRON: Dr. J. JAYA PRINCIPAL

Valley Campus, Pollachi Highway, Coimbatore - 661 032      +91 80963 33333      info@hindusthan.net  
+91 90470 10006      hicet.ac.in



# Program on “Gender Equity–Role of Women In Research”

Copy of the Event Brochure



The brochure features logos for Hindusthan College of Engineering and Technology, NIRF, NBA, and A++ NAAC. It is organized by the Department of Chemical Engineering. The resource person is Dr. S. Venkatesh Babu, Professor at JCT College of Engineering & Technology. Coordinators are Ms. Kalpina V.P. and Dr. Kavitha S. Jasp. The convenor is Dr. R. Palani, Chemical HOD. The patron is Dr. J. Jaya, Principal. The event is on 28-03-2025 from 10:00 am to 12:00 pm in online mode. Contact information includes the college address in Malumichampatti, Coimbatore, and phone numbers +91 80963 33333 and +91 90470 10006. Email is info@hindusthan.net and website is hicet.ac.in.

**Hindusthan**  
College of Engineering and Technology  
( An Autonomous Institution )

**nirf** **NBA** **A++ NAAC**

**DEPARTMENT OF CHEMICAL ENGINEERING**

Organizes a  
Webinar on

**GENDER EQUITY- ROLE OF WOMEN IN RESEARCH**

**RESOURCE PERSON**



**Dr S VENKATESHBABU**  
Professor  
Department of Petroleum Technology  
JCT College of Engineering & Technology  
Coimbatore

**COORDINATORS**  
MS. KALPINA V.P. JAP CHEMICAL  
DR. KAVITHA S. JASP

**CONVENOR**  
DR. R. PALANI  
CHEMICAL HOD

**PATRON**  
Dr. J. JAYA  
PRINCIPAL

Date: 28-03-2025 Time: 10.00 am to 12.00pm Venue: Online mode

Valley Campus Pollachi Highway  
Coimbatore - 641 032 +91 80963 33333  
+91 90470 10006 info@hindusthan.net  
hicet.ac.in

## OUTCOME

The event successfully highlighted the significance of gender equity in research and the vital contributions of women in scientific advancements. Key discussions focused on challenges such as gender bias, lack of representation in leadership, and work-life balance. Experts emphasized the need for mentorship, institutional support, and policy reforms to create an inclusive research environment. The event concluded with a commitment to fostering equal opportunities and empowering women in research for a more diverse and



# Online Course



Attended the NPTEL online course- Membrane Technology (12 week course) by Indian Institute of Technology, Kharagpur and certificate for mentor for the NPTEL online Certification course.

Ms. Induja P  
Assistant Professor  
Chemical Engineering

Attended the NPTEL online course- Membrane Technology (12 week course) by Indian Institute of Technology, Kharagpur and certificate for mentor for the NPTEL online Certification course.

Mr. Nagul Dev S  
Assistant Professor  
Chemical Engineering



Attended the NPTEL online course- Mechanical Unit Operation (12 week course) by Indian Institute of Technology, Kharagpur and certificate for mentor for the NPTEL online Certification course.

Mr. Nagul Dev S  
Assistant Professor  
Chemical Engineering





Attended the NPTEL online course- Membrane Technology (12 week course) by Indian Institute of Technology, Kharagpur and certificate for mentor for the NPTEL online Certification course.

Mr. Ramalingam R  
Assistant Professor  
Chemical Engineering

Attended the Elite NPTEL online course- Membrane Technology (12 week course) by Indian Institute of Technology, Kharagpur and cleared the exam with 63%.

Mr. Nagul Dev S  
Assistant Professor  
Chemical Engineering



Attended the Elite NPTEL online course- Membrane Technology (12 week course) by Indian Institute of Technology, Kharagpur and cleared the exam with 61%.

Ms. Induja P  
Assistant Professor  
Chemical Engineering



Attended the Elite NPTEL online course- Outcome Based Pedagogic Principles for Effective Teaching (4 week course) by Indian Institute of Technology, Kharagpur and cleared the exam with 66%.

Mr. Ramalingam R  
 Assistant Professor  
 Chemical Engineering

Attended the Elite NPTEL online course-Membrane Technology (12 week course) by Indian Institute of Technology, Kharagpur and cleared the exam with 68%.

Mr. Ramalingam R  
 Assistant Professor  
 Chemical Engineering



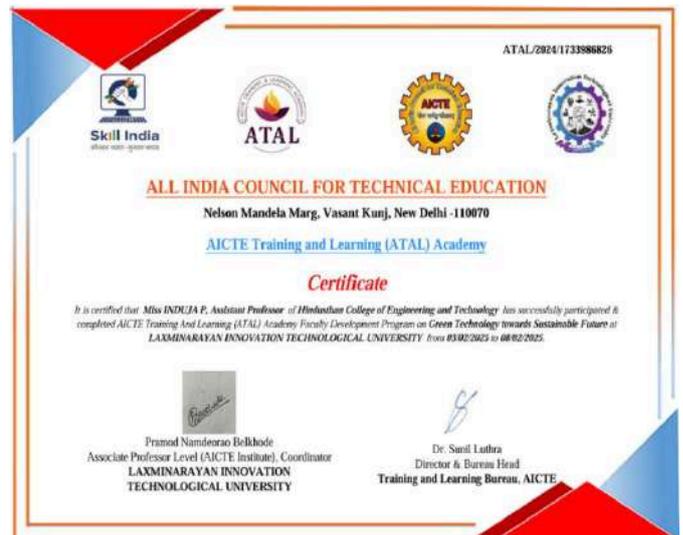
It is certified that Miss INDUJA P, Assistant Professor has successfully participated & completed AICTE Training And Learning (ATAL) Academy Faculty Development Program on Biodegradability and environmental impact assessment of biofibres and green composites.

# Faculty Development Program

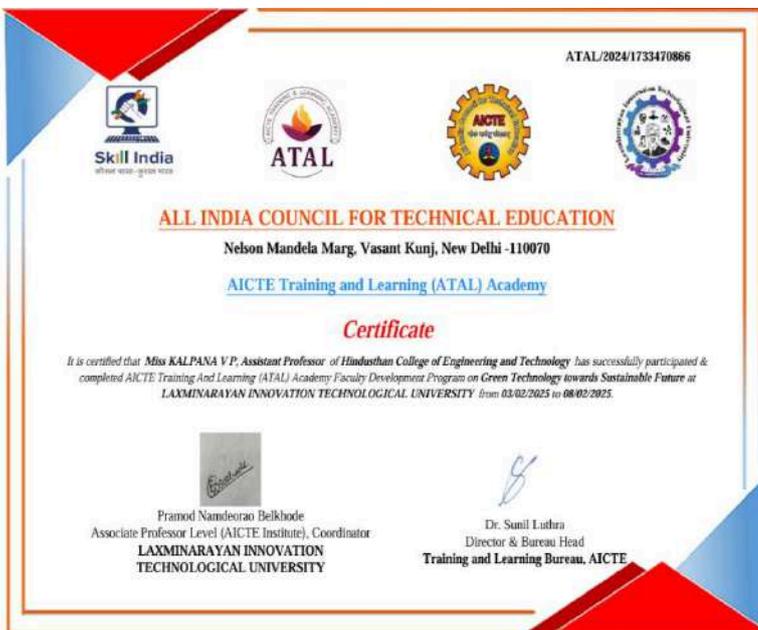


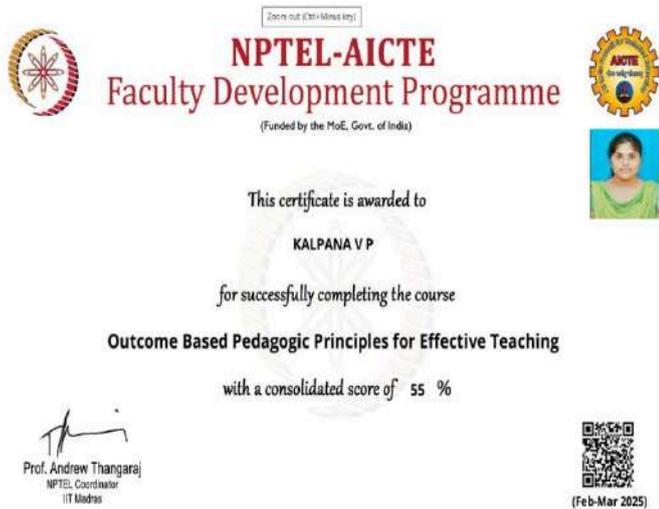
It is certified that Mr. RAMALINGAM R. Assistant Professor has successfully participated & completed AICTE Training And Learning (ATAL) Academy Faculty Development Program on Green Technology towards Sustainable Future.

It is certified that Miss INDUJA P. Assistant Professor has successfully participated & completed AICTE Training And Learning (ATAL) Academy Faculty Development Program on Green Technology towards Sustainable Future



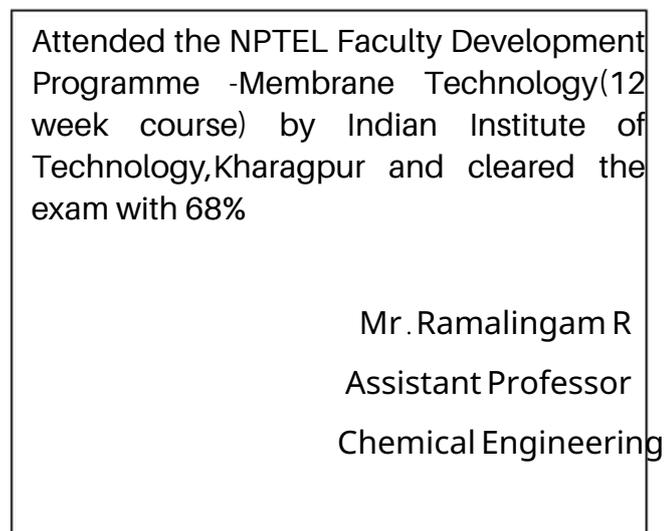
It is certified that Miss KALPANA V P. Assistant Professor has successfully participated & completed AICTE Training And Learning (ATAL) Academy Faculty Development Program on Green Technology towards Sustainable Future.





Attended the NPTEL Faculty Development Programme-Outcome Based Pedagogic Principles for Effective Teaching (12 week course) by Indian Institute of Technology, Kharagpur and cleared the exam with 55%

Ms. Kalpana V P  
Assistant Professor  
Chemical Engineering



Attended the NPTEL Faculty Development Programme -Membrane Technology(12 week course) by Indian Institute of Technology, Kharagpur and cleared the exam with 68%

Mr. Ramalingam R  
Assistant Professor  
Chemical Engineering



Attended the NPTEL Faculty Development Programme - Outcome Based Pedagogic Principles for Effective Teaching (4 week course) by Indian Institute of Technology, Kharagpur and cleared the exam with 66%

Mr. Ramalingam R  
Assistant Professor  
Chemical Engineering



# Patent

(12) PATENT APPLICATION PUBLICATION	(21) Application No.202541039969 A
(19) INDIA	
(22) Date of filing of Application :25/04/2025	(43) Publication Date : 16/05/2025
(54) Title of the invention : FIXED BED COLUMN ADSORPTION STUDY OF REMAZOL DYE REMOVAL USING ACTIVATED CARBON FORM PHYLLANTHUS EMBLICA LEAF	
(51) International classification :C02F0001280000, A61K0036470000, B01J0020200000, B01J0020280000, C02F0003340000	(71)Name of Applicant : <b>1)RAMALINGAM R</b> Address of Applicant :DEPARTMENT OF CHEMICAL ENGINEERING, HINDUSTHAN COLLEGE OF ENGINEERING AND TECHNOLOGY, COIMBATORE-641032. 8760959250 ramalingammoorthy@gmail.com ----- Name of Applicant : NA Address of Applicant : NA (72)Name of Inventor : <b>1)Ramalingam R</b> Address of Applicant :DEPARTMENT OF CHEMICAL ENGINEERING, HINDUSTHAN COLLEGE OF ENGINEERING AND TECHNOLOGY, COIMBATORE-641032. 8760959250 ramalingammoorthy@gmail.com ----- <b>2)Naguldev S</b> Address of Applicant :DEPARTMENT OF CHEMICAL ENGINEERING HINDUSTHAN COLLEGE OF ENGINEERING AND TECHNOLOGY COIMBATORE TAMILNADU ----- <b>3)Aswin Prasobh</b> Address of Applicant :DEPARTMENT OF CHEMICAL ENGINEERING, HINDUSTHAN COLLEGE OF ENGINEERING AND TECHNOLOGY, COIMBATORE-641032. 8760959250 ramalingammoorthy@gmail.com ----- <b>4)Manigandan A</b> Address of Applicant :DEPARTMENT OF CHEMICAL ENGINEERING HINDUSTHAN COLLEGE OF ENGINEERING AND TECHNOLOGY COIMBATORE TAMILNADU INDIA 641032 ----- <b>5)Manikandan R</b> Address of Applicant :DEPARTMENT OF CHEMICAL ENGINEERING, HINDUSTHAN COLLEGE OF ENGINEERING AND TECHNOLOGY, COIMBATORE-641032. 8760959250 ramalingammoorthy@gmail.com ----- <b>6)Mohammed Reyyan</b> Address of Applicant :DEPARTMENT OF CHEMICAL ENGINEERING, HINDUSTHAN COLLEGE OF ENGINEERING AND TECHNOLOGY, COIMBATORE-641032. 8760959250 ramalingammoorthy@gmail.com ----- <b>7)Hariharan M</b> Address of Applicant :DEPARTMENT OF CHEMICAL ENGINEERING, HINDUSTHAN COLLEGE OF ENGINEERING AND TECHNOLOGY, COIMBATORE-641032. 8760959250 ramalingammoorthy@gmail.com ----- <b>8)Nivetha V</b> Address of Applicant :DEPARTMENT OF CHEMICAL ENGINEERING, HINDUSTHAN COLLEGE OF ENGINEERING AND TECHNOLOGY, COIMBATORE-641032. 8760959250 ramalingammoorthy@gmail.com ----- <b>9)Hrithik S</b> Address of Applicant :DEPARTMENT OF CHEMICAL ENGINEERING, HINDUSTHAN COLLEGE OF ENGINEERING AND TECHNOLOGY, COIMBATORE-641032. ----- <b>10)Srinath R</b> Address of Applicant :DEPARTMENT OF CHEMICAL ENGINEERING, HINDUSTHAN COLLEGE OF ENGINEERING AND TECHNOLOGY, COIMBATORE-641032. -----
(86) International Application No :NA Filing Date :NA	
(87) International Publication No : NA	
(61) Patent of Addition to Application Number :NA Filing Date :NA	
(62) Divisional to Application Number :NA Filing Date :NA	

A patent has been published to the patentee for the invention entitled "FIXED BED COLUMN ADSORPTION STUDY OF REMAZOL DYE REMOVAL USING ACTIVATED CARBON FORM PHYLLANTHUS EMBLICA LEAF".It has been published on May 16,2025.

Mr. Ramalingam R  
Assistant Professor  
Chemical Engineering

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202541040054 A

(19) INDIA

(22) Date of filing of Application :25/04/2025

(43) Publication Date : 23/05/2025

(54) Title of the invention : ENHANCED REMOVAL OF IBUPROFEN FROM PHARMACEUTICAL EFFLUENT USING NOVEL TiO<sub>2</sub>- COATED MULTI-WALLED CARBON NANOTUBES

(51) International classification :A61K0031192000, C02F0001280000, A61P0029000000, C02F0101300000, B05D0001180000  
(86) International Application No :NA  
Filing Date :NA  
(87) International Publication No : NA  
(61) Patent of Addition to Application Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

(71)Name of Applicant :

**1)NAGULDEV S**

Address of Applicant :ASSISTANT PROFESSOR, DEPARTMENT OF CHEMICAL ENGINEERING, HINDUSTHAN COLLEGE OF ENGINEERING AND TECHNOLOGY, COIMBATORE-641032 -----

**2)Ramalingam R**

**3)Ragulasangeerthian s**

**4)Devadharshini S**

**5)Praveen S**

**6)Amirtha sankar A S**

**7)Mohammed Mushthaque**

**8)Bhagi Suresh**

**9)Rahul J**

**10)Gautam Biju**

Name of Applicant : NA

Address of Applicant : NA

(72)Name of Inventor :

**1)NAGULDEV S**

Address of Applicant :ASSISTANT PROFESSOR, DEPARTMENT OF CHEMICAL ENGINEERING, HINDUSTHAN COLLEGE OF ENGINEERING AND TECHNOLOGY, COIMBATORE-641032 -----

**2)Ramalingam R**

Address of Applicant :ASSISTANT PROFESSOR, DEPARTMENT OF CHEMICAL ENGINEERING, HINDUSTHAN COLLEGE OF ENGINEERING AND TECHNOLOGY, COIMBATORE-641032 -----

**3)Ragulasangeerthian s**

Address of Applicant :UG SCHOLAR, DEPARTMENT OF CHEMICAL ENGINEERING, HINDUSTHAN COLLEGE OF ENGINEERING AND TECHNOLOGY, COIMBATORE-641032 -----

**4)Devadharshini S**

Address of Applicant :UG SCHOLAR, DEPARTMENT OF CHEMICAL ENGINEERING, HINDUSTHAN COLLEGE OF ENGINEERING AND TECHNOLOGY, COIMBATORE-641032 -----

**5)Praveen S**

Address of Applicant :UG SCHOLAR, DEPARTMENT OF CHEMICAL ENGINEERING, HINDUSTHAN COLLEGE OF ENGINEERING AND TECHNOLOGY, COIMBATORE-641032 -----

**6)Amirtha sankar A S**

Address of Applicant :UG SCHOLAR, DEPARTMENT OF CHEMICAL ENGINEERING, HINDUSTHAN COLLEGE OF ENGINEERING AND TECHNOLOGY, COIMBATORE-641032 -----

**7)Mohammed Mushthaque**

Address of Applicant :UG SCHOLAR, DEPARTMENT OF CHEMICAL ENGINEERING, HINDUSTHAN COLLEGE OF ENGINEERING AND TECHNOLOGY, COIMBATORE-641032 -----

**8)Bhagi Suresh**

Address of Applicant :UG SCHOLAR, DEPARTMENT OF CHEMICAL ENGINEERING, HINDUSTHAN COLLEGE OF ENGINEERING AND TECHNOLOGY, COIMBATORE-641032 -----

**9)Rahul J**

Address of Applicant :UG SCHOLAR, DEPARTMENT OF CHEMICAL ENGINEERING, HINDUSTHAN COLLEGE OF ENGINEERING AND TECHNOLOGY, COIMBATORE-641032 -----

**10)Gautam Biju**

Address of Applicant :UG SCHOLAR, DEPARTMENT OF CHEMICAL ENGINEERING,

A patent has been published to the patentee for the invention entitled "ENHANCED REMOVAL OF IBUPROFEN FROM PHARMACEUTICAL EFFLUENT USING NOVEL TiO<sub>2</sub>- COATED MULTI-WALLED CARBON NANOTUBES".It has been published on May 23,2025.

Mr .Nagul Dev S  
Assistant Professor  
Chemical Engineering



தமிழ்நாடு அறிவியல் தொழில்நுட்ப மன்றம்  
TAMIL NADU STATE COUNCIL FOR SCIENCE AND TECHNOLOGY

(Established by Government of Tamil Nadu)  
Directorate of Technical Education Campus, Chennai - 600 025.

Phone : 044 - 2230 1428  
: 044 - 2230 1552

Web : www.tanscst.tn.gov.in  
E-mail : ms.tanscst@nic.in / tncouncil18@gmail.com

Prof. Dr. S. VINCENT, D.Sc., Ph.D., MNASc., FNABS., FRSB (Len)

Member Secretary

Letter No. TNSCST/S&T- PUB./2024-25/620/BS 4187

19.05.2025

To

Dr.R. Palani  
Prof. and Head  
Dept. of Chemical Engineering  
Hindusthan College of Engineering & Technology  
Coimbatore - 641032

Sir/Madam,

Sub: TNSCST - Assistance to publication in Tamil on "Eyarkai velanmaiym sutrusuzhalum" - Approval Intimated - Reg.

Ref: Council Approval dated 16.05.2025

I am pleased to inform you that the Tamilnadu State Council has approved your above-mentioned proposal with a grant of Rs. 25,000/- (Rupees Thirty Thousand only) as partial financial assistance for the publication in Tamil. You are required to complete the publication, as outlined in your proposal, within three months from the date of receipt of this approval. Further, you must submit ten copies of books along with the utilization certificate and a statement of expenditure.

Kindly note that the approved grant will only be released upon receipt of the above-mentioned documents. If the submission is not made within the specified time frame, this approval will automatically become invalid. No further communication will be entertained in this regard.

Thanking you,

Yours faithfully,

Member Secretary

Copy to:

The Principal  
Hindusthan College of E&T  
Coimbatore - 641 032

The banner features a blue and white geometric background. At the top, there are logos for Hindusthan College of Engineering and Technology, NIRF, A++ BRAC, and NBA. The text reads: "DEPARTMENT OF CHEMICAL ENGINEERING Congratulations". Below this, there are two portrait photos of Mr. Sathish J and Dr. Palani R. At the bottom, it states: "for Received Funds Rs.25000 From TNSCST - Assistance to Publication in Tamil". The footer includes the location "COIMBATORE", contact numbers "80983 33333 | 90470 10006", and the website "www.hindusthan.net".

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202541018574 A

(19) INDIA

(22) Date of filing of Application :03/03/2025

(43) Publication Date : 21/03/2025

(54) Title of the invention : DEVELOPMENT AND CHARACTERIZATION OF A NANO-CELLULOSE-BASED HYDROGEL FOR IMPROVING WATER RETENTION AND CONTROLLED NUTRIENT RELEASE

(51) International classification :C05G003800000, C08J0005180900, C08L0001020000, A01B0079000000, C09K0017320000  
(86) International Application No :NA  
Filing Date :NA  
(87) International Publication No :NA  
(61) Patent of Addition to Application Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

(71)Name of Applicant :  
**1)SATHISH J**  
Address of Applicant :ASSISTANT PROFESSOR, DEPARTMENT OF CHEMICAL ENGINEERING, HINDUSTHAN COLLEGE OF ENGINEERING AND TECHNOLOGY, COIMBATORE,TAMILNADU,INDIA. PIN:641032 -----  
Name of Applicant : NA  
Address of Applicant : NA  
(72)Name of Inventor :  
**1)SATHISH J**  
Address of Applicant :ASSISTANT PROFESSOR, DEPARTMENT OF CHEMICAL ENGINEERING, HINDUSTHAN COLLEGE OF ENGINEERING AND TECHNOLOGY, COIMBATORE,TAMILNADU,INDIA. PIN:641032 -----  
**2)Dr. SAHAYA AROCKIA SELVI S**  
Address of Applicant :PROFESSOR, DEPARTMENT OF MATHEMATICS, ST. MICHAEL COLLEGE OF ENGINEERING AND TECHNOLOGY, KALAYARKOIL, TAMILNADU, INDIA-630551. -----  
**3)Dr. PALANI R**  
Address of Applicant :PROFESSOR, DEPARTMENT OF CHEMICAL ENGINEERING, HINDUSTHAN COLLEGE OF ENGINEERING AND TECHNOLOGY, COIMBATORE,TAMILNADU,INDIA-641032. -----  
**4)Dr. KAVITHA S**  
Address of Applicant :ASSOCIATE PROFESSOR, DEPARTMENT OF CHEMICAL ENGINEERING, HINDUSTHAN COLLEGE OF ENGINEERING AND TECHNOLOGY, COIMBATORE,TAMILNADU,INDIA-641032. -----  
**5)Dr. SASIREKA G**  
Address of Applicant :ASSOCIATE PROFESSOR, DEPARTMENT OF CHEMICAL ENGINEERING, HINDUSTHAN COLLEGE OF ENGINEERING AND TECHNOLOGY, COIMBATORE,TAMILNADU,INDIA-641032. -----  
**6)Dr. S .GEETHA**  
Address of Applicant :ASSISTANT PROFESSOR, DEPARTMENT OF MATHEMATICS, SEETHALAKSHMI ACHI COLLEGE FOR WOMEN, PALLATHUR, TAMILNADU, INDIA-630107. -----  
**7)C.KARTHEESWARI**  
Address of Applicant :ASSISTANT PROFESSOR, DEPARTMENT OF MATHEMATICS, SEETHALAKSHMI ACHI COLLEGE FOR WOMEN, PALLATHUR, TAMILNADU, INDIA-630107. -----  
**8)Dr. S.MOHANAVALLI**  
Address of Applicant :ASSISTANT PROFESSOR, DEPARTMENT OF MATHEMATICS, SEETHALAKSHMI ACHI COLLEGE FOR WOMEN, PALLATHUR, TAMILNADU, INDIA-630107. -----  
**9)Dr.S.ANITHA**  
Address of Applicant :GUEST LECTURE, DEPARTMENT OF MATHEMATICS, RAJA DORAISINGAM GOVERNMENT ARTS COLLEGE, SIVAGANGAI, TAMILNADU, INDIA-630561. -----  
**10)VEJAYANI R**  
Address of Applicant :PG SCHOLAR, DEPARTMENT OF MATHEMATICS, BHARATHIDASAN UNIVERSITY, TRICHY, TAMILNADU, INDIA-620024. -----

A patent has been published to the patentee for invention entitled "DEVELOPMENT AND CHARACTERIZATION OF A NANO-CELLULOSE-BASED HYDROGEL FOR IMPROVING WATER RETENTION AND CONTROLLED NUTRIENT RELEASE". It has been published on May 23, 2025.

1)Mr.Sathish J, 2)Dr.Palani R,  
3)Dr.Kavitha S, 4)Dr.Sasireka G  
Department of Chemical  
Engineering

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :21/04/2025

(21) Application No 202541038060 A

(43) Publication Date : 09/05/2025

(54) Title of the invention : OPTIMIZATION OF LIGNIN BASED GRAPHENE FROM BLACK LIQUOR FOR IMPROVED CONDUCTIVITY IN SOLAR PANEL APPLICATIONS

<p>(51) International classification :C01B0032184000, B82Y0040000000, C08K0003040000, C08L0097000000, C12N0009020000</p> <p>(86) International Application No :NA Filing Date :NA</p> <p>(87) International Publication No :NA</p> <p>(61) Patent of Addition to Application Number :NA Filing Date :NA</p> <p>(62) Divisional to Application Number :NA Filing Date :NA</p>	<p>(71) Name of Applicant : 1)PALANI R Address of Applicant :PROFESSOR &amp; HEAD, DEPARTMENT OF CHEMICAL ENGINEERING, HINDUSTHAN COLLEGE OF ENGINEERING AND TECHNOLOGY, COIMBATORE-641032, -----</p> <p>Name of Applicant : NA Address of Applicant : NA</p> <p>(72) Name of Inventor : 1)PALANI R Address of Applicant :PROFESSOR &amp; HEAD, DEPARTMENT OF CHEMICAL ENGINEERING, HINDUSTHAN COLLEGE OF ENGINEERING AND TECHNOLOGY, COIMBATORE-641032, -----</p> <p>2)SATHISH J Address of Applicant :ASSISTANT PROFESSOR, DEPARTMENT OF CHEMICAL ENGINEERING, HINDUSTHAN COLLEGE OF ENGINEERING AND TECHNOLOGY, COIMBATORE-641032, -----</p> <p>3)ADHISHA SHAJI Address of Applicant :UG SCHOLAR,DEPARTMENT OF CHEMICAL ENGINEERING, HINDUSTHAN COLLEGE OF ENGINEERING AND TECHNOLOGY, COIMBATORE-641032, -----</p> <p>4)ASWIN S Address of Applicant :UG SCHOLAR,DEPARTMENT OF CHEMICAL ENGINEERING, HINDUSTHAN COLLEGE OF ENGINEERING AND TECHNOLOGY, COIMBATORE-641032, -----</p> <p>5)NANDANA KRISHNA T Address of Applicant :UG SCHOLAR,DEPARTMENT OF CHEMICAL ENGINEERING, HINDUSTHAN COLLEGE OF ENGINEERING AND TECHNOLOGY, COIMBATORE-641032, -----</p> <p>6)VIVEK KRISHNA Address of Applicant :UG SCHOLAR,DEPARTMENT OF CHEMICAL ENGINEERING, HINDUSTHAN COLLEGE OF ENGINEERING AND TECHNOLOGY, COIMBATORE-641032, -----</p>
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A patent has been published to the patentee for the invention entitled "OPTIMIZATION OF LIGNIN BASED GRAPHENE FROM BLACK LIQUOR FOR IMPROVED CONDUCTIVITY IN SOLAR PANEL APPLICATIONS". It has been published on May 23,2025.

Dr .Palani R  
Professor & Head  
Chemical Engineering



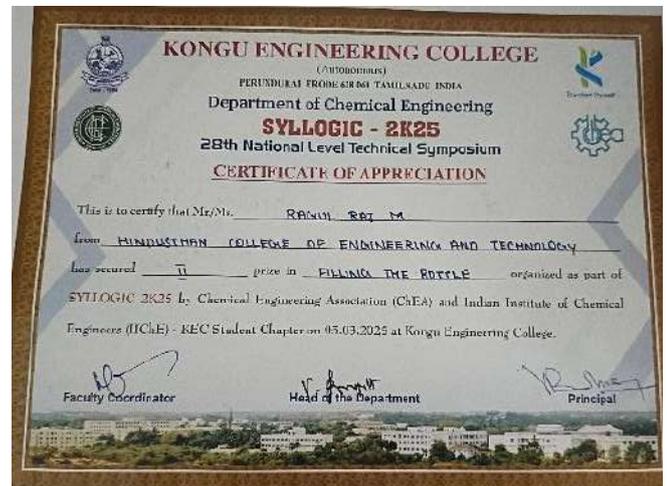
Mr. Bhuvaneshwaran B, from the Department of Chemical Engineering, was honored with the Best Outgoing Student Award for the academic year 2024-2025. The award was presented on 26.03.2025.

Mr. Anton Vibin G of B.Tech Chemical Engineering secured First Place in Basketball at the State Level Park Alumni Trophy 2025 held at Park College, Coimbatore from 08 & 09 February, 2025.

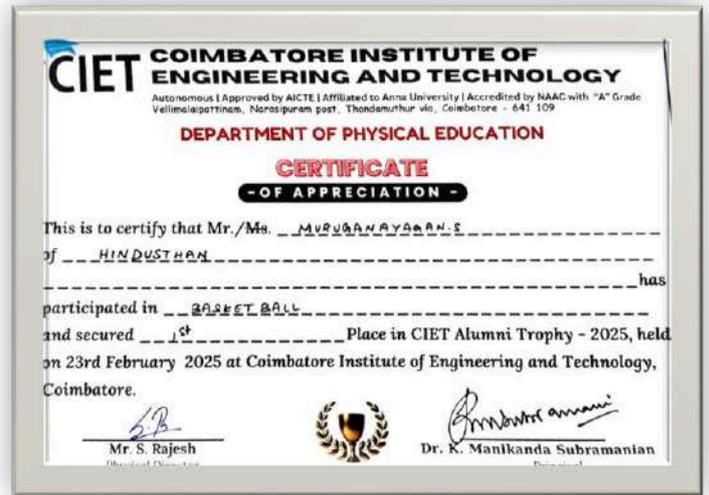
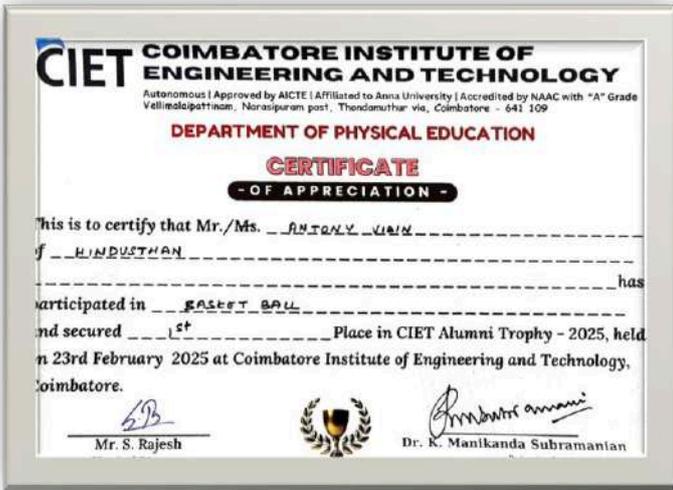




Mr. Muruganayagam S & Anton Vibin G B.Tech Chemical Engineering secured First Place in Basketball at the 6th CIT Covai TIES 2025 held at Coimbatore Institute of Technology from 11.03.2025 to 15.03.2025.



Mr. Gokul D, Mr. Ragul Raj M, and Mr. Abinesh R of Hindusthan College of Engineering and Technology secured First Place in the "Filling the Bottle" event at SYLLOGIC 2K25, Kongu Engineering College, on 05.03.2025.



Mr. Muruganayagam S & Anton Vibin G B.Tech Chemical Engineering participated in Basketball and secured First Place in the CIET Alumni Trophy - 2025, held on 23rd February 2025 at CIET, Coimbatore.



Mr. Gokul D of Hindusthan College of Engineering and Technology participated in the Poster Presentation event at JFinagles 2025 National Level Symposium and secured Third Prize on 21st-22nd March 2025.

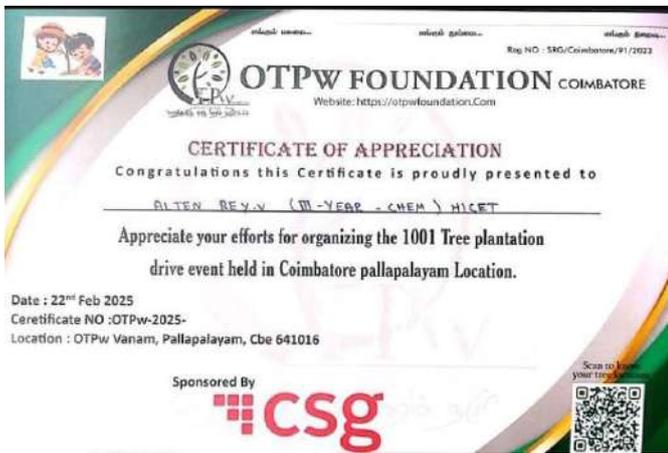


Mr.Gokul D presented a paper titled "Plant Mediated Synthesis of Magnetic Nanoparticles for Water Purification - A Sustainable Approach" at the RACEE 2025 Conference held on 7-8 March 2025.

Mr.Bellwin Rai P presented a paper titled "Novel Iron Extraction from Copper Slag via Chlorination, Smelting, and Magnetic Separation" at the RACEE 2025 Conference on 7&8 March 2025.



Ms.Subashini S from Hindusthan College of Engineering and Technology secured Second Place in the Paper Presentation event at the Jfinagles 2025 National Level Technical Symposium, held on 21st and 22nd March 2025 at JCT College.



Mr. Alten Rey V (III Year - Chemical, HICET) received a Certificate of Appreciation from OTPw Foundation for organizing the 1001 Tree Plantation Drive held at Pallapalayam, Coimbatore, on 22nd February 2025.

Mr. Alten Rey V received a Participation Certificate for taking part in the National Pitching Round of Udyamotsav 2025, conducted as part of National Startup Day under the MoE-AICTE Investor Network and Ministry of Education's Innovation Cell.



Mr. Balaji D from HCET, CBE participated in the workshop titled "Real Time Process Simulation and Bioenergy" organized by the Department of Petroleum Engineering as part of JFinagles 2025, held on 21st and 22nd March 2025 at JCT College of Engineering and Technology, Coimbatore.

Mr. Hijaz Al Fazer A from HCET, CBE participated in the workshop titled "Real Time Process Simulation and Bioenergy" organized by the Department of Petroleum Engineering as part of JFinagles 2025, held on 21st and 22nd March 2025 at JCT College of Engineering and Technology, Coimbatore.





Mr. Muhammed Farhan P Z presented a paper on "Extraction of Carbon From Egg Shells" at the ICSW 2025 International Conference, held at KPR Institute, Coimbatore on 21&22 March 2025.

Mr. Harish Ragavendran R from Hindusthan College of Engineering and Technology participated in the Poster Designing event at ASTHRA 2k25, held on 9th April 2025 in Coimbatore.



Mr. Harish Ragavendran R from Hindusthan College of Engineering and Technology participated in the Paper Presentation event at ASTHRA 2k25, held on 9th April 2025 in Coimbatore.

Mr. Harish Ragavendran R from Hindusthan College of Engineering and Technology participated in the 2nd International Conference on Sustainable Water, presenting a paper on "CFD analysis of heat transfer in spiral coil heat exchangers with Constant Wall Heat Exchanger Co-efficient" on 21.03.2025 To 22.03.2025.





Ms. Keerthana K from Hindusthan College of Engineering and Technology secured in Paper Presentation and Talent Hunt Second place during Jfinagles 2025, a National Level Symposium held at JCT College, Coimbatore on 21st-22nd March 2025.

Ms. Aashika S from Hindusthan College of Engineering and Technology secured in Paper Presentation and Talent Hunt Second place during Jfinagles 2025, a National Level Symposium held at JCT College, Coimbatore on 21st-22nd March 2025.



Ms. Kaviya S from Hindusthan College of Engineering and Technology presented a research paper on "Utilising waste foundry sand for construction" at the ICSW 2025 conference held at KPR Institute, Coimbatore, on 21st-22nd March 2025.

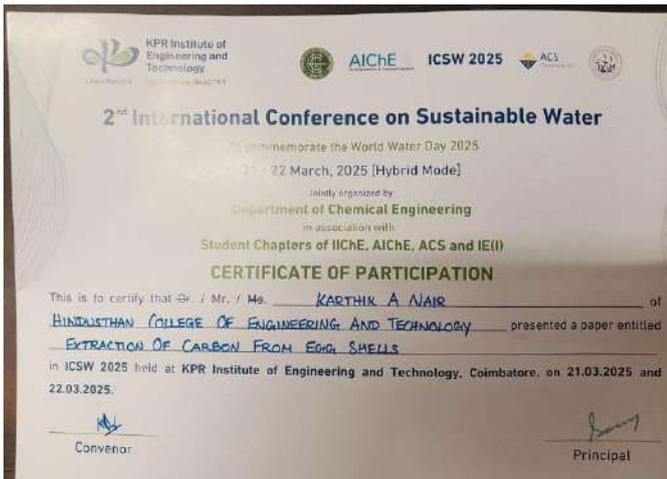
Mr. Harish R from Hindusthan College of Engineering and Technology participated in the 2nd International Conference on Sustainable Water, presenting a paper on "CFD analysis of heat transfer in spiral coil heat exchangers with Constant Wall Heat Exchanger Co-efficient" on 21.03.2025 To 22.03.2025.





Mr. Santhosh K from Hindusthan College of Engineering and Technology secured 1st place in Paper Presentation and Talent Hunt (2nd place) during Jfinagles 2025, a National Level Symposium held at JCT College, Coimbatore on 21st-22nd March 2025.

Mr. Kumaran G from Hindusthan College of Engineering and Technology secured 1st place in Paper Presentation and Talent Hunt during Jfinagles 2025, a National Level Symposium held at JCT College, Coimbatore on 21 & 22nd March 2025.

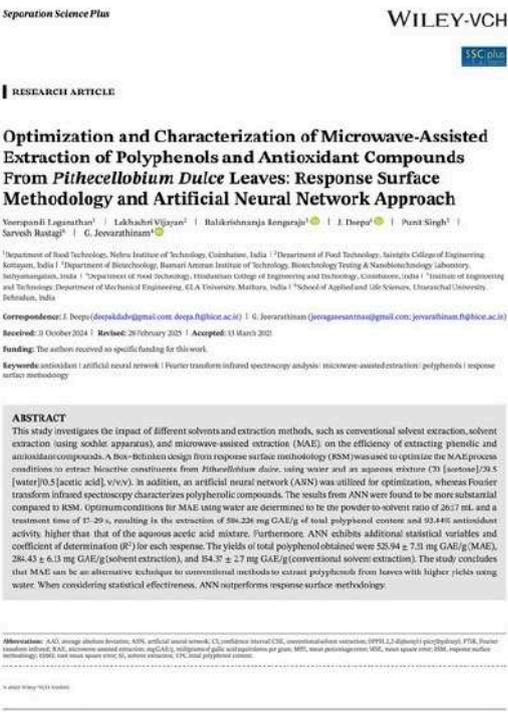
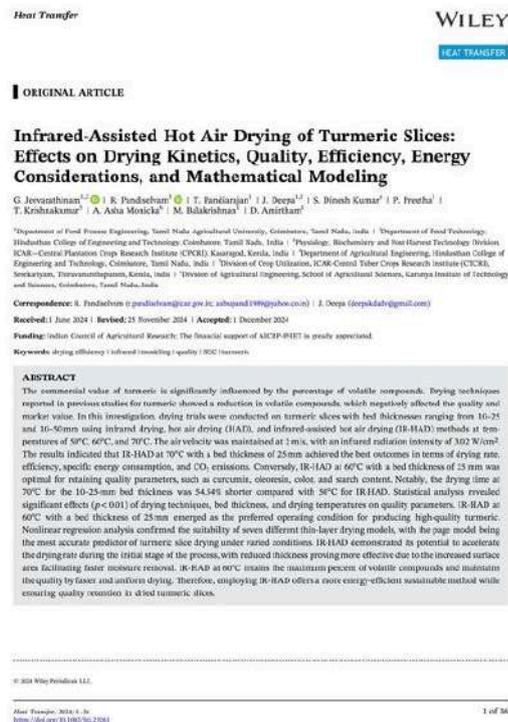


Mr. Karthik A Nair presented a paper on "Extraction of Carbon From Egg Shells" at the ICSW 2025 International Conference, held at KPR Institute, Coimbatore on 21 & 22 March 2025.

## PAPER/JOURNAL PUBLISHED

✿ **Dr Jeevarathinam G's** (professor FT) recent publication in the journal **Heat Transfer** explores a cutting-edge approach to spice processing. Titled **“Infrared-Assisted Hot Air Drying of Turmeric,”** the study investigates how combining infrared radiation with hot air can significantly enhance the drying efficiency of turmeric. This hybrid technique reduces drying time, preserves color and curcumin content, and improves overall quality—offering a promising solution for the spice industry to maintain nutritional and commercial value in processed turmeric.

✿ **Dr. Jeevarathinam G and Dr. Deepa J** have published a noteworthy study titled **"Optimization and Characterization of Microwave-Assisted Extraction of Polyphenols and Antioxidant Compounds from Pithecellobium dulce Leaves"** in the journal **Separation Science Plus**. This research explores an efficient and eco-friendly microwave-assisted extraction technique for maximizing the recovery of valuable polyphenols and antioxidants from Pithecellobium dulce leaves. By employing Response Surface Methodology and Artificial Neural Network models, the study successfully optimizes the extraction process, offering promising insights for natural product development and functional food applications.



✿ **Dr. Deepa J** has published her latest research titled "**Experimental Investigation of Shrouded Tomato Storage Systems in Mitigating Losses During Long-Distance Transportation**" in the **Journal of Stored Products Research**. This study explores innovative shrouded storage techniques aimed at reducing post-harvest losses in tomatoes during transit. The findings demonstrate significant improvements in preserving quality and minimizing spoilage, offering promising solutions for the fresh produce supply chain.



## Webinar Organized

✿ **Dr Navarasam R**, organized a webinar titled "**Empowering Future Food Tech Entrepreneurs: ERP Skill Development for Operational Excellence**" on **3rd April 2025**. The session focused on enhancing students' understanding of Enterprise Resource Planning (ERP) systems and their vital role in streamlining food business operations. The expert speaker shared valuable insights into ERP tools, fostering entrepreneurial thinking and operational efficiency among aspiring food technologists. This initiative aimed to bridge the gap between academic knowledge and industry practices, preparing students for successful careers in the food tech sector.



✿ A webinar on "Innovations and Future Prospects in Sustainable Food Packaging" was conducted on 02.04.2025 by Dr. Navarasam R under the theme Environment and Sustainability. The session explored cutting-edge packaging technologies, eco-friendly materials, and their role in reducing environmental impact. Emphasizing the importance of sustainable solutions in the food industry, Dr. Navarasam shed light on future trends and innovations aimed at promoting greener practices. The webinar provided valuable insights for students, researchers, and professionals interested in sustainable food systems.



✿ A webinar was conducted by Dr Navarasam R on 08.04.2025, titled "Innovative Research Methodologies in AI and Machine Learning: Catalyzing R&D Breakthrough and Nurturing the Start-Up Ecosystem." The session focused on the transformative role of advanced research methods in AI/ML, emphasizing how they drive innovation, enhance R&D capabilities, and support entrepreneurial ventures. Participants gained valuable insights into leveraging AI for impactful technological solutions and start-up growth.

## FDP/Seminar Organized

✿ Dr. Navarasam R successfully participated in the Faculty Development Programme (FDP) titled "Outcome-Based Pedagogic Principle for Effective Teaching", organized by SWAYAM-NPTEL, Government of India. The FDP was conducted from February to March 2025, aiming to enhance teaching effectiveness through outcome-based educational strategies.

# Student Achievements

## *Batch: 2022 -2026*

\* **B. Janani**, a **NSS Volunteer** from Hindusthan College of Engineering and Technology, has shown remarkable enthusiasm and dedication by taking part in the **State Republic Day Parade Camp 2025**, conducted at **Vellore Institute of Technology, Chennai**, from 17th to 26th January 2025. Additionally, she actively took part in the **Republic Day Parade 2025** held at **Marina Beach, Chennai**. We sincerely acknowledge and appreciate her valuable involvement and commendable contribution to this esteemed event.



\* **Industrial Internship at SVS Foods, Madurai**  
Third-year B.Tech Food Technology students **Ms. Bhuvana K, Ms. Bhuvanaa Shree P, Ms. Janani S, Ms. Monika B, Ms. Sharmistha S, and Ms. Sowmiya S** successfully completed an industrial internship for **20 days** at **SVS Foods, Madurai**. This hands-on training provided valuable exposure to real-time food processing operations, quality control practices, packaging techniques, and hygiene standards followed in the food industry. The internship bridged the gap between classroom learning and industry practices, enriching students' technical knowledge and practical skills essential for their professional development.



\* **12 students** from 3rd Year Food Technology have been provisionally selected as **QA Trainees (internship)** for the **Mango Pulp Project 2025**. **Parle Agro Pvt. Ltd.** is currently in the process of recruiting summer trainees for this initiative. The selected students are undergoing their Summer Internship Training at the mango pulp processing facilities located in **Krishnagiri, Tamil Nadu**.



## Batch: 2023 - 2027

\* **45 students**, have successfully completed the **NPTEL Online Certificate Examination** in the course titled "**Novel Technologies for Food Processing and Shelf Life Extension.**" **Ms. Haifa Haneef** and **Mr. R. Sharvesh**, earned the **ELITE certificate**, reflecting their commendable performance and understanding of advanced methods in food processing and techniques to enhance shelf life. This achievement highlights their dedication to continuous learning and their commitment to applying innovative approaches in the field of food technology.



# DEPARTMENT OF AGRICULTURE ENGINEERING



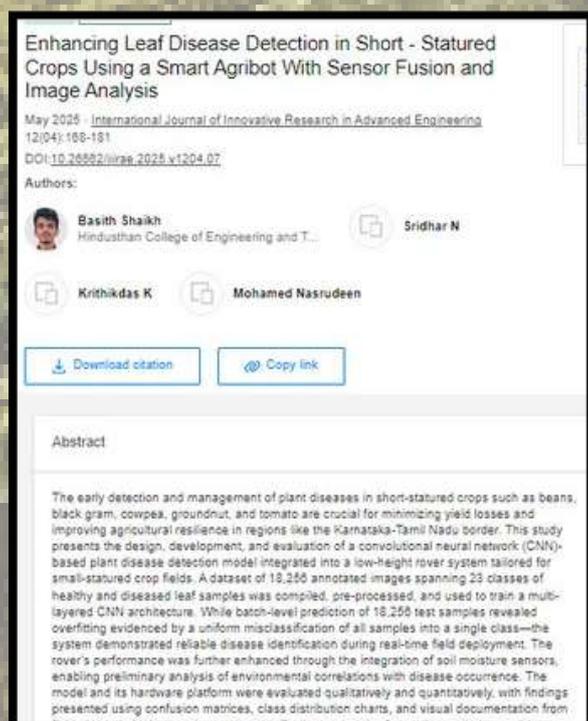
## PAPER/ JOURNAL PUBLISHED

1

Dr. Rajaravi C Associate Professor of Agricultural Engineering, co-authored and presented a research paper titled **"Comparative Analysis of Mechanical Properties in Hybrid Composites Using Neem and Indian almond Fiber"** in the Scopus, indexed journal Journal of Physics, along with other collaborators.



2



Dr.N.Sridhar Associate Professor of Agricultural Engineering, in collaboration with other co-authors, presented a research paper titled **"Enhancing Leaf Disease Detection in Short - Statured Crops Using a Smart Agribot With Sensor Fusion and Image Analysis"**, published in UGC CARE indexed Journal of Innovative Research in Advanced Engineering

Dr.S.Dineshkumar. Assistant Professor of Agricultural Engineering, in collaboration with other co-authors, presented a research paper titled **"Infrared-Assisted Hot Air Drying of Turmeric Slices: Effects on Drying Kinetics, Quality, Efficiency, Energy Considerations, and Mathematical Modeling"**, published in SCI indexed Journal of Heat Transfer

### **Infrared-Assisted Hot Air Drying of Turmeric Slices: Effects on Drying Kinetics, Quality, Efficiency, Energy Considerations, and Mathematical Modeling**

G. Jeevarathinam, R. Pandiselvam ✉, T. Pandiarajan, J. Deepa ✉, S. Dinesh Kumar, P. Preetha, T. Krishnakumar, A. Asha Monicka, M. Balakrishnan, D. Amirtham

First published: 02 January 2025 | <https://doi.org/10.1002/htj.23261> | Citations: 1

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#### **ABSTRACT**

The commercial value of turmeric is significantly influenced by the percentage of volatile compounds. Drying techniques reported in previous studies for turmeric showed a reduction in volatile compounds, which negatively affected the quality and market value. In this investigation, drying trials were conducted on turmeric slices with bed thicknesses ranging from 10–25 and 10–50 mm using infrared drying, hot air drying (HAD), and infrared-assisted hot air drying (IR-HAD) methods at temperatures of 50°C, 60°C, and 70°C. The air velocity was maintained at 2 m/s, with an infrared radiation intensity of 3.02 W/cm<sup>2</sup>. The results indicated that IR-HAD at 70°C with a bed thickness of 25 mm achieved the best outcomes in terms of drying rate, efficiency, specific energy consumption, and CO<sub>2</sub> emissions. Conversely, IR-HAD at 60°C with a bed thickness of 25 mm was optimal for retaining quality parameters, such as curcumin, oleoresin, color, and starch content. Notably, the drying time at 70°C for the 10–25-mm bed thickness was 54.54% shorter compared with 50°C for IR-HAD. Statistical analysis revealed significant effects ( $p < 0.01$ ) of drying techniques, bed thickness, and drying temperatures on quality parameters. IR-HAD at 60°C with a bed thickness of 25 mm emerged as the preferred operating condition for producing high-quality turmeric. Nonlinear regression analysis confirmed the suitability of seven different thin-layer drying models, with the page model being the most accurate predictor of turmeric slice drying under varied conditions. IR-HAD demonstrated its potential to accelerate the drying rate during the initial stage of the process, with reduced thickness proving more effective due to the increased surface area facilitating faster moisture removal. IR-HAD at 60°C retains the maximum percent of volatile compounds and maintains the quality by faster and uniform drying. Therefore, employing IR-HAD offers a more energy-efficient sustainable method while ensuring

### About the Authors



**Ramya K** (Ph.D.), with an academic background and 5.5 years of teaching experience in the Department of Agricultural Engineering, currently serves as an Assistant Professor at Hindustan College of Engineering and Technology, Coimbatore. She completed her B.Tech in Agricultural Engineering in 2016 from AEC & RI, TNAU, Kumulur, and her M.Tech in Food Technology in 2018 from the AC Tech campus, Anna University, Chennai. She is currently pursuing her Ph.D. at Anna University, Chennai. She has published 4 patents and 6 research papers, and has guided numerous academic projects. As a recognized expert in food packaging and preservation technology, she is passionate about creating innovative solutions to enhance food sustainability and safety.



**Mrs. M. Kalaiselvi** completed her B.Sc.(Ag.) and M.Sc.(Ag.) at Tamil Nadu Agricultural University (TNAU), Coimbatore, Tamil Nadu. She has an academic experience of 5 years teaching and currently worked as an Assistant Professor in Department of Agricultural Engineering at Hindustan College of Engineering and Technology, Coimbatore, Tamil Nadu. She has published 13 patents and 3 Research papers and has guided academic projects for UG students.



**Ms. Sowmiya V** is working as an Assistant Professor in the Department of Agricultural Engineering at Hindustan College of Engineering and Technology, Coimbatore. She received her B.E. in Agricultural Engineering in 2021 from Paavai Engineering College, Namakkal, and her M.E. in Environment and Water Resource Engineering in 2023 from Karunya University, Coimbatore. She has published one patent and has guided academic projects for undergraduate students.



**Mr. Peranandhan G**, working as an Assistant Professor in the Department of Agricultural Engineering in Dhanalakshmi Srinivasan College of Engineering, Coimbatore. He received his B.E. in Agricultural Engineering in 2024 from Sri Shakthi Institute of Engineering and Technology, Coimbatore, and his M.E. in Environmental Engineering in 2024 from Government College of Technology, Coimbatore. He has guided academic projects for undergraduate students. He is passionate about creating innovative solutions to enhance Environmental sustainability and safety.

ISBN



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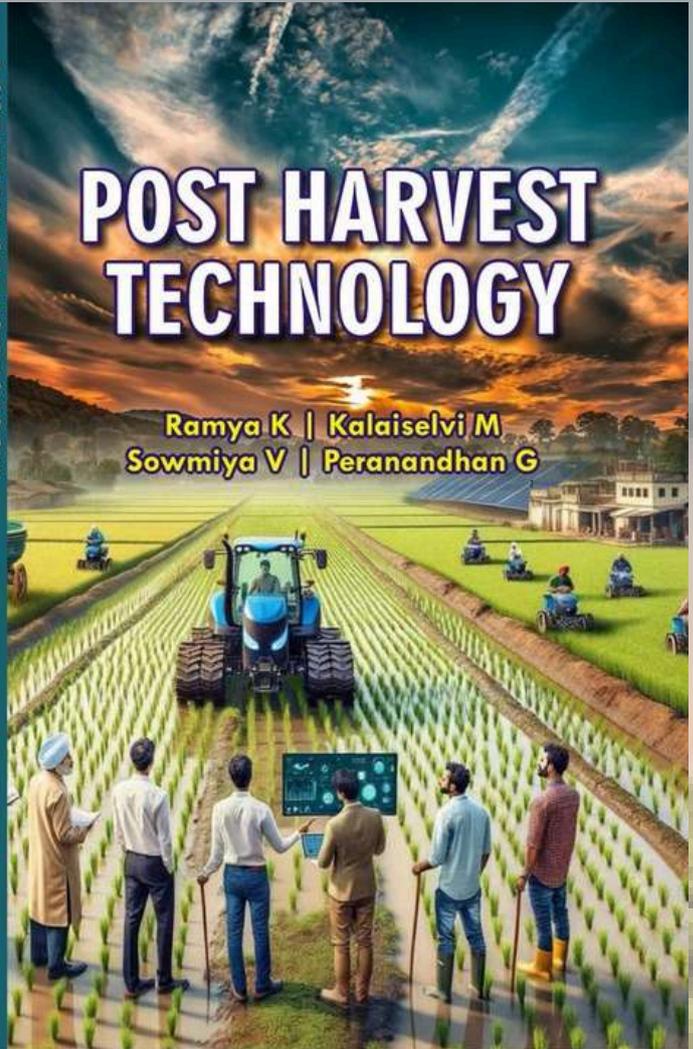
[www.forschung.in](http://www.forschung.in)  
publisher@forschung.in

POST HARVEST TECHNOLOGY

Ramya K | Kalaiselvi M | Sowmiya V | Peranandhan G

# POST HARVEST TECHNOLOGY

Ramya K | Kalaiselvi M  
Sowmiya V | Peranandhan G



Mrs. Ramya, Mrs. Kalaiselvi. M, Ms. Sowmiya published a book in the title of post harvest technology



**NPTEL ONLINE  
CERTIFICATION**  
V.Sowmiya has  
successfully completed  
her course on Waste to  
Energy Conversion score  
of 73%

**Elite**

**NPTEL ONLINE CERTIFICATION**  
(Funded by the MoE, Govt. of India)

This certificate is awarded to  
**SOWMIYA V**  
for successfully completing the course  
**Waste to Energy Conversion**  
with a consolidated score of **73** %

Online Assignments	23.33/25	Proctored Exam	49.5/75
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Total number of candidates certified in this course: 1132

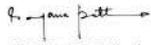
Jan-Mar 2025  
(8 week course)

Total number of candidates certified in this course: 1132

Indian Institute of Technology Roorkee

To verify the certificate

No. of credits recommended: 2 or 3



**NPTEL ONLINE  
CERTIFICATION Dr.Dhayalan  
has successfully completed  
her course on NBA  
Accreditation and Teaching  
and Learning in Engineering  
score of 71%**

**Elite**

**NPTEL ONLINE CERTIFICATION**  
(Funded by the MoE, Govt. of India)

This certificate is awarded to  
**DHAYALAN V**  
for successfully completing the course  
**NBA Accreditation and Teaching and Learning  
in Engineering (NATE)**  
with a consolidated score of **71** %

Online Assignments	24.69/25	Proctored Exam	46.5/75
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Total number of candidates certified in this course: 2145

Jan-Apr 2025  
(12 week course)

Indian Institute of Science Bangalore

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Roll No: NPTEL25GE23S943604574      To verify the certificate       No. of credits recommended: 3 or 4

# EVENTS ORGANISED

**“Field Visitation Exposure and Field Visits for problem identification: Aligning with UN SDGs and Exploring Emerging Areas of Technologies” 21.08.2025**

  
**Hindusthan**  
College of Engineering and Technology  
An Autonomous Institute  
AICTE

**DEPARTMENT OF AGRICULTURAL ENGINEERING**

**Organizes**

**IIC-ACTIVITY FIELD VISIT**

**“Exposure and Field visits for problem identification : Aligning With UN SDGs and Exploring Areas of Technologies”**



**Thangavel**  
Organic Farmer

 <b>Date</b> 24.01.2025	<b>Time</b> 10:00 AM to 4:30PM	 <b>Venue</b> Agaram Organic farm
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<b>Event co-ordinator</b> Mrs.K.Ramya, Ap/ Agrl Engg Dr.S.Dineshkumar, Ap/ Agrl Engg	<b>Convenor</b> Dr.N.Sridhar HoD/ Agrl Engg	<b>Parton</b> Dr.J.Jaya Principal
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# "Seminar on " Organic Farming Startup Ecosystem: Building a Sustainable Food Future" 19.02.2025

**Hindusthan** College of Engineering and Technology  
An Autonomous Institution

**nirf** **NBA** **A++ NAAC** **INSTITUTIONS INNOVATION COUNCIL**

DEPARTMENT OF AGRICULTURAL ENGINEERING  
ORGANIZES  
IIC SELF DRIVEN ACTIVITY

SEMINAR ON  
"ORGANIC FARMING STARTUP ECOSYSTEM: BUILDING A SUSTAINABLE FOOD FUTURE"

RESOURCE PERSON

**S.NAVEEN**  
Social Agriculture Activist  
Organic Farmer

Date: 19.2.2025 | Time: 10.00 AM to 12PM | Venue: T Block

EVENT CO-ORDINATORS  
Mrs.K.RAMYA,  
Ms.V.SOWMIYA,

CONVENOR  
Dr.N.SRIDHAR  
HOD/AGRL ENGG

PATRON  
Dr. J. JAYA  
PRINCIPAL

Valley Campus, Pollachi Highway,  
Coimbatore - 641 032

+91 98944 59599  
+91 63813 02220

info@hindusthan.net  
hicet.ac.in

**Hindusthan** College of Engineering and Technology  
An Autonomous Institution

**A++ NAAC** **NBA** **nirf**

HICET

DEPARTMENT OF AGRICULTURAL ENGINEERING

Certificate of Appreciation

This is to certify that **Mr. S. NAVEEN**, Social Agriculture Activist & Organic Farmer has actively delivery the content of Seminar on "**Organic Farming Startup Ecosystem: Building a Sustainable Food Future**" held on 19.02.2025 organized by the Department of Agricultural Engineering.

**Dr.N.Sridhar**  
HoD/ Agrl Engg

**Dr.J.Jaya**  
Principal

# Skillset for professional career in Engineering Product Design and Development

 **Hindusthan**  
College of Engineering and Technology  
(An Autonomous Institution)

DEPARTMENT OF AGRICULTURAL ENGINEERING  
Organises  
**IIC SELF DRIVEN ACTIVITY**  
"Skillset for Professional Career in Engineering Product Design and Development"

RESOURCE PERSON

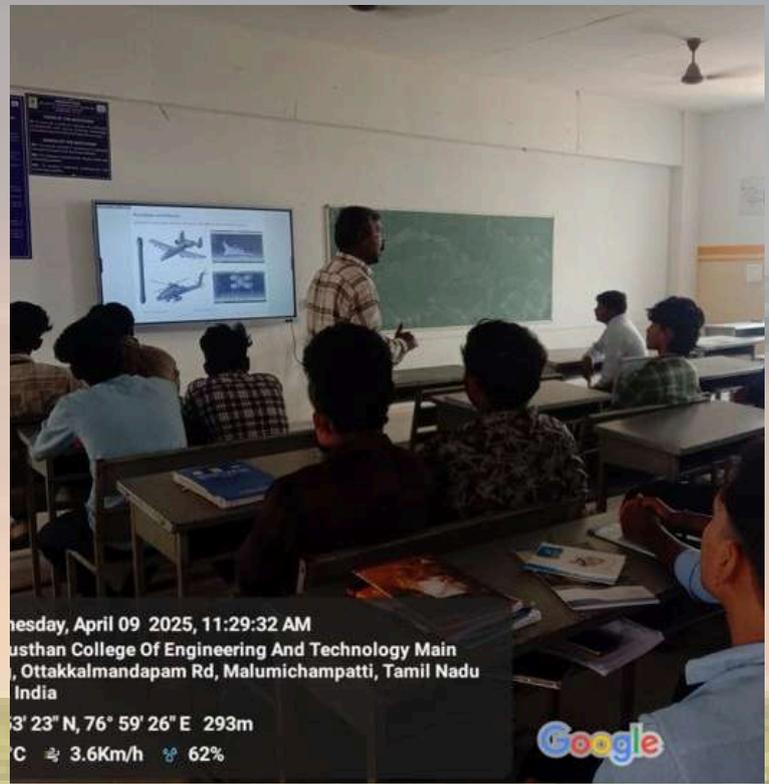


**Mr. V. Alaguraj**,  
Founder of Mach Engineers

Date : 09.04.2025      Time: 10:00 AM      Venue: T302

CO-ORDINATOR Dr DINESHKUMAR S Dr RAJARAVI C	CONVENOR Dr N.SRIDHAR HOD/AGRI ENGG	PATRON Dr J JAYA PRINCIPAL
---	---	----------------------------------

Valley Campus, Pollachi Highway,  
Coimbatore - 641 032      +91 80983 33333  
+91 90470 10006      info@hindusthan.net  
hicet.ac.in



# Exposure and Field Visits for Dam Construction and maintenance: Aligning with UN SDGs and Exploring Emerging Areas of Technologies "



RMHJ+XXW, Malampuzha-II,

Latitude 10.82999451° Longitude 76.68375333°

Local 12:52:21 PM Altitude 99 meters  
GMT 07:22:21 AM Wednesday, 26.02.2025



RMQR+G4H Malampuzha Dam, Malampuzha-I, Kerala 678651, India

Latitude 10.83065606° Longitude 76.68375333°

Local 12:05:14 PM Altitude 99 meters  
GMT 06:35:14 AM Wednesday, 26.02.2025

GPS Map  
Camera Lite

# "How to build a Startup and think like an entrepreneur" .



# STUDENTS ACHIEVEMENTS

**Hindusthan**  
College of Engineering and Technology  
(An Autonomous Institution)

**nirf** **NBA** **A++ NAAC**

DEPARTMENT OF AGRICULTURAL ENGINEERING

Heartiest  
*Congratulations*

**MUHAMMED FARSHID P**

Selected for **"IASc -INSA-NASI"**  
Summer Research Fellowship 2025  
at IIT KANPUR from July to August.

Valley Campus, Pollachi Highway,  
Coimbatore - 641032

+91 80983 33333  
+91 90470 10006

principal@hicet.ac.in  
hicet.ac.in

**Muhammed Farshid P II Year B.Tech  
Agricultural engineering student got  
Summer Research Fellowship at IIT kanpur.**

## **COVAI ALUMINI TROPHY**



## **SHRI ESHWAR COLLEGE OF ENGINEERING AND TECHNOLOGY SPORTS EVENT**



# CONVERGENCE 25



# SYNECTICS 25



# INDUSTRIAL VISIT

**Department of Agricultural Engineering 3rd Year Students visited to Protected Cultivation structure and Farm Pond in Mysore, Karnataka.**



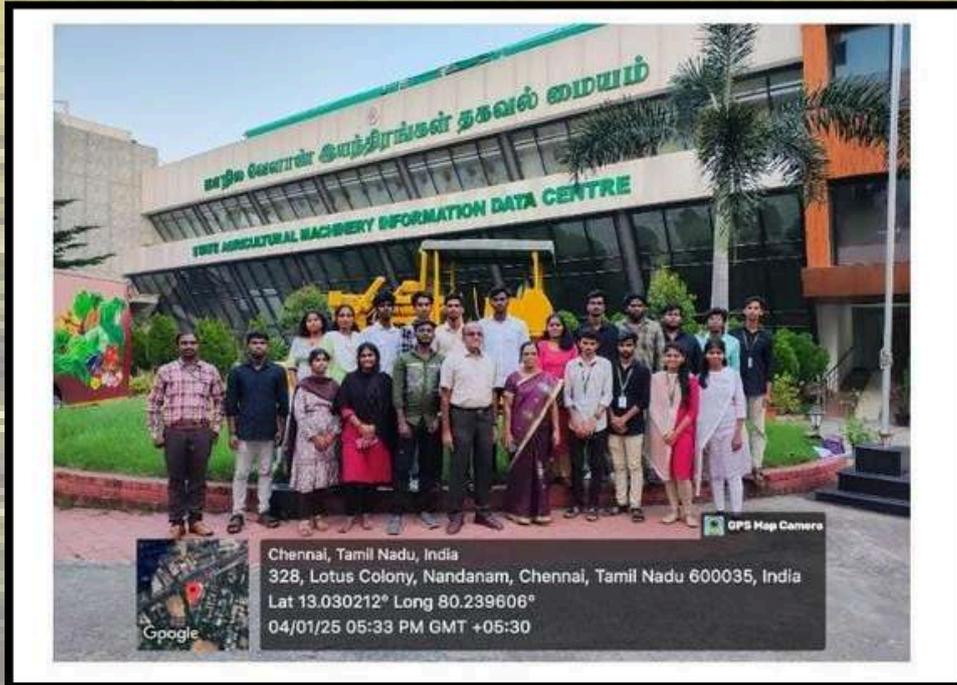
# INDUSTRIAL VISIT

**Industrial visit to the Kanan Devan Hills Plantations Company Private Limited (KDHP) in Munnar for second-year B.Tech Agricultural Engineering students.**



# INTERNSHIP

**12 students successfully completed five days training on “State Agricultural Machinery Information Data Centre Awareness Training on Agricultural Engineering Technologies for attracting educated youth to Agriculture Training Module.” at State Agricultural Machinery Information Data Centre, 487,Anna Salai, Nandanam, Chennai -35 from 30.12.2024 to 04.01.2025**





DEPARTMENT OF AGRICULTURAL ENGINEERING

*Congratulations*

2025  
BATCH

**SALARY 3.4 LPA**

FOR GETTING PLACED IN **Jain Irrigation Systems Ltd**



Siva Prakash M



Surya J



Sanjay Ravi Naidu



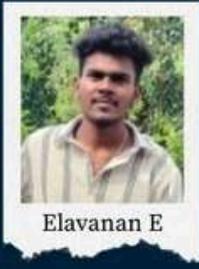
Subashini K



Kavin Bala R



Santhoshkumar R



Elavanan E



Mohamed Nasrudeen N



Priscilla V

Valley Campus, Pollachi Highway,  
Coimbatore - 641032

+91 80983 33333  
+91 90470 10006

principal@hiket.ac.in  
hiket.ac.in

**Department of Agricultural Engineering  
9 Students (2021-2025 Batch) got placed  
in Jain Irrigation System Ltd. With salary  
package of 3.47 LPA.**

 **Hindusthan**  
College of Engineering and Technology  
(An Autonomous Institution)

 **nirf** **NBA**  
14 ACCREDITED PROGRAMMES  
UNDER TOP 7 CATEGORY

 **A++**  
NAAC  
CGPA SCORE: 2.84



DEPARTMENT OF AGRICULTURAL ENGINEERING

*Congratulations*

**2025 BATCH**

**SALARY 2.26 LPA**

FOR GETTING PLACED IN **VST TRACTORS & TILLERS**





**PRASANTH A**

 Valley Campus, Pollachi Highway,  
Coimbatore - 641032

 +91 80983 33333  
+91 90470 10006

 principal@hicet.ac.in  
hicet.ac.in

**Prasanth A Department of Agricultural Engineering  
Prasanth A (2021-2025 Batch) got placed in VST  
Tractors & Tillers with salary package of 2.26 LPA**

# COMPUTER SCIENCE AND ENGINEERING

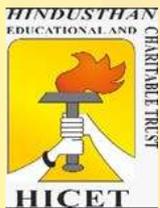
## Sports activities



First prize in volleyball tournament held at Coimbatore institute of technology on 24.09.24.



First prize in volley ball tournament held at Park college of engineering on 10.10.24.

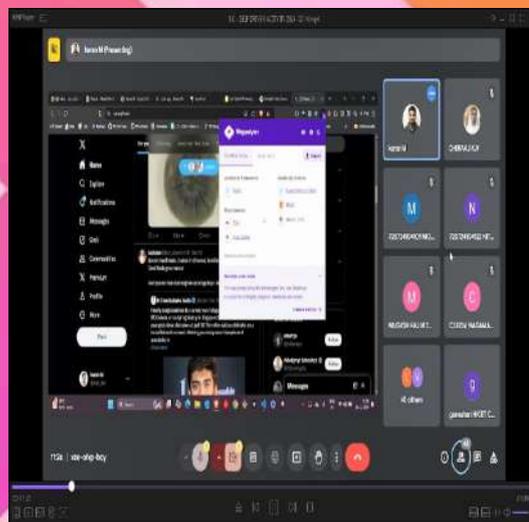


# COMPUTER SCIENCE AND ENGINEERING

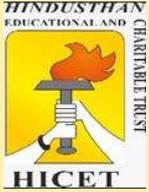
## Department Related Information

### 1. Webinar on “Workshop on entrepreneurship and innovation as career opportunity”

One day webinar on “Workshop on entrepreneurship and innovation as career opportunity” was conducted on 14th of December 2024. It was inaugurated by Dr. S. Shankar, Head of the Department. The scope of this event is to promote the importance of Entrepreneurship and innovation as career opportunity and inculcate skillset required for a young graduate and to stimulate the overall architecture of the Entrepreneurship life cycle and how student can create innovative product by undertaking relevant methods.



A party of around 92 students from CSE department have benefited through this program. It was handled by Karan M, Lead Software Developer at Fieldproxy, Chennai.



# COMPUTER SCIENCE AND ENGINEERING

## 2. Seminar on “Intellectual Property Rights”

One day Seminar on “**Intellectual Property Rights**” was conducted on 28th of April 2025. It was inaugurated by Dr. S. Shankar, Head of the Department.



The main objectives of Intellectual Property Rights (IPR) are to encourage innovation and creativity, promote economic growth, and protect the rights of creators. These rights provide creators with exclusive rights over their creations, incentivizing them to invest time and resources in developing new ideas and works. IPR also fosters competition, ensures fair practices, and facilitates the transfer of technology.

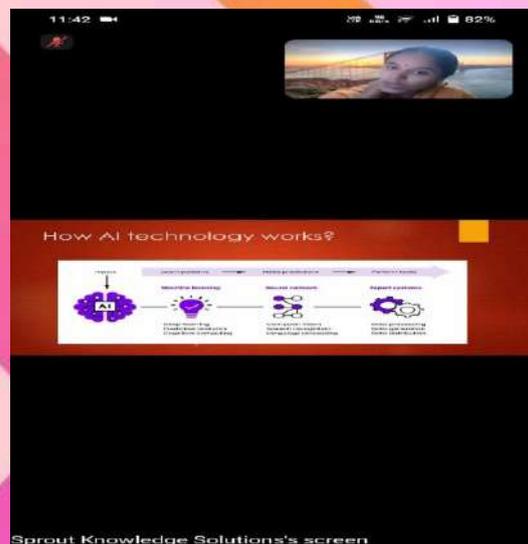
A party of around 115 students from CSE department have benefited through this program. It was handled by Mr. C.Madhankumar, MD / Core Code Technologies, Coimbatore.



# COMPUTER SCIENCE AND ENGINEERING

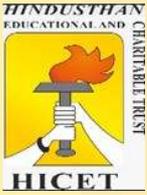
### 3. Webinar on “Building Smarter Systems”

Webinar on “**Building Smarter Systems**” was conducted on 25th of January 2025. It was inaugurated by Dr. S. Shankar, Head of the Department.



The main objectives of building smarter systems are to enhance energy efficiency, reduce operational costs, improve occupant comfort and safety, and optimize building management. These systems leverage technologies like IoT, AI, and data analytics to achieve these goals by automating tasks, providing real-time insights, and enabling proactive maintenance.

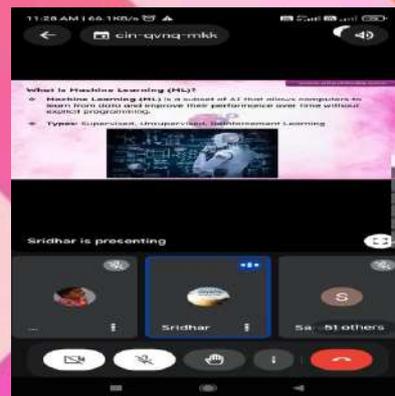
Our department has benefited through this program. It was handled by Ms. APARNA M, Lead Trainer, Spout Knowledge Solutions Pvt. Ltd.



# COMPUTER SCIENCE AND ENGINEERING

## 4. Webinar on “AI & Machine Learning In Research Automating Data Analysis”

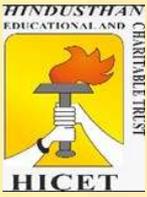
**Webinar** on “AI & Machine Learning In Research Automating Data Analysis” was conducted on 29th of March 2025. It was inaugurated by Dr. S. Shankar, Head of the Department.



The main objectives of using AI and machine learning to automate data analysis in research are to improve efficiency, accuracy, and scalability while also enabling researchers to focus on higher-level tasks like hypothesis formulation and experiment design.

A party of around 127 students from \_\_\_\_\_ CSE department have benefited through this program. It was handled by Mr. SRIDHAR K, Learning &

Development Specialist, APP Innovation Technologies, Sri Krishna Institute of Technology.



# COMPUTER SCIENCE AND ENGINEERING

## Placement Details

**Hindusthan**  
College of Engineering and Technology  
(An Autonomous Institution)

*Congratulations*

Prime Offer  
**44 Lakh**  
Per Annum

**amazon**

Software Development Engineer

Internship - Placements

Mr. Rishab Babuliji, B.E. CSE - Batch '25

Stipend : 1.1 Lakh / Month [www.hicet.ac.in](http://www.hicet.ac.in)

**HINDUSTHAN**  
College of Engineering and Technology  
(An Autonomous Institution), Coimbatore - 32

Department of Computer Science and Engineering  
*HEARTIEST*

**CONGRATULATIONS**

AKSHALIN JEFITA RJ    MADHAN KUMAR A    KABILAN R

HARI SUDHAN S    RISHI RAAM

2021-2025 batch

**cognizant**    CTC -4 Lacs

For campus selection [www.hicet.ac.in](http://www.hicet.ac.in)

**Hindusthan**  
COLLEGE OF ENGINEERING AND TECHNOLOGY  
(An Autonomous Institution), Coimbatore - 32

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING  
*HEARTIEST*

**CONGRATULATIONS**

ASHWIN L

2021-2025 batch

**cognizant**

CTC - 6.75 LACS

For campus selection [www.hicet.ac.in](http://www.hicet.ac.in)

# DEPARTMENT OF ELECTRONICS AND INSTRUMENTATION ENGINEERING

## Webinar / Online Seminar

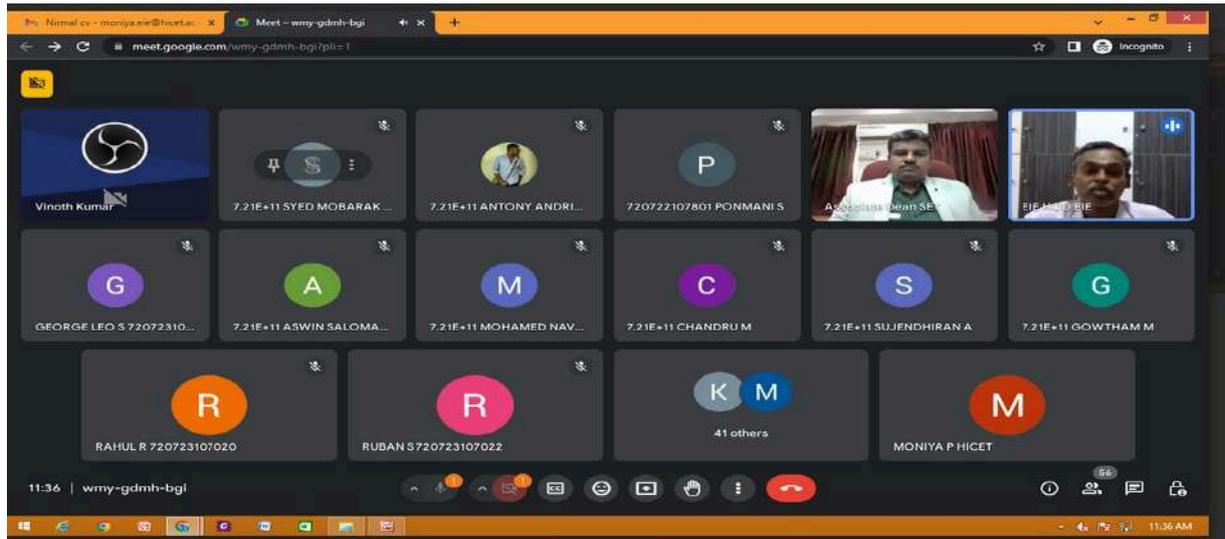
- Organised webinar on Measures for gender equality and women empowerment on February 26, 2024 coordinated by Dr. P. Moniya AP /EIE, Mr. M. Sudagar AP /EIE



- Organised Symposium Instrumentation 2024 on April 26 coordinated by Mr. M. Sudagar AP /EIE and Mr. D. Vijayanandh AP /EIE

# Webinar / Online Seminar

- Organised webinar on Empowering Innovation and Collaboration on IEEE Day, October 14, 2024 coordinated by Dr. P. Moniya ASP /EIE, Mr. M. Sudagar AP /EIE, Mr. D. Deivasigamani AP /EIE



- Organised seminar on Integral Impact of Recent Scenario in Software Development and Acing Coding Interviews @ Microsoft on August 14, 2024 coordinated by Dr. P. Moniya ASP /EIE, Mr. M. Sudagar AP /EIE, Mr. R. Vinoth kumar AP /EIE, Ms. N. Kavitha AP /EIE



- Organised Seminar on Future of Work : Human or AI on October 20, 2024 coordinated by Dr. P. Moniya AP /EIE, Mr. M. Sudagar AP /EIE



- Organised webinar on Webinar on Opportunities and Benefits of Formalising Companies and Entities Under Various Acts in India on February 27, 2025 coordinated by Dr. P. Moniya ASP /EIE, Mr. M. Sudagar AP /EIE, Ms. N. Kavitha AP /EIE

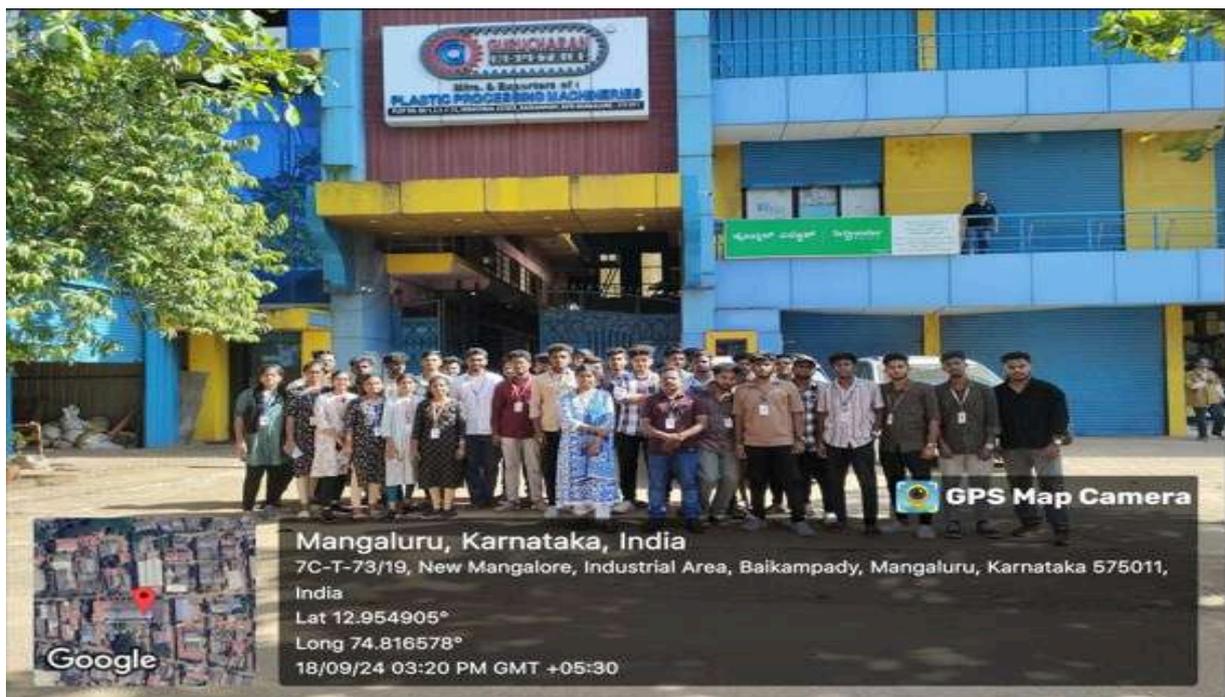


# Industrial visit

- ❖ Industrial visit to TEXMO Coimbatore . was arranged for 2nd Year & 3rd EIE students on 05 september 2024 .



- ❖ Industrial visit to Gurucharan Industries Mangalore . was arranged for 3rd Year & 4th EIE students on 18 september 2024 .



❖ Industrial visit to FANUC Coimbatore. was arranged for 2nd Year & 3rd EIE students on 28 Feb 2025.



## Out Reach Activity

✚ Out-reach activity was conducted on 21st March 2025 at Anamalai Tiger Reserve, Pollachi for the slogan of "Plastic Free Awareness"



## FACULTY ACHIEVEMENTS

S.No	Name of the principal Investigator & CO-Investigator	Title of the project	Funding Agency, Duration & Date of Sanction	Amount (in Lakh)
1.	Dr.K.Siva Professor	Bharath Cycle Design Challenge	AICTE	0.40 Lakhs
2.	Dr.Y.Ras Mathew, Associate Professor			
3.	Dr.K.Siva Professor	Tomato Grand Challenge	AICTE	1 Lakhs
4.	Dr.Y.Ras Mathew, Associate Professor			
5.	Dr.K.Siva Professor	"Vertical axis wind turbine with flapping Mechanism".	Mentor for MSME Funded Project	14 Lakhs
6.	Dr.Y.Ras Mathew, Associate Professor Dr.Y.Ras Mathew, Associate Professor		Received MSME Funded Project	
7.	Associate Professor	Smart Coconut Harvester	Mentor for MSME Funded Project	12.5 Lakhs

## PATENT DETAILS

S.No	Name of the Author(s)	Title	Application No. / Patent No.	Status (Filled /Published/Granted)
1	Dr. K. Siva Dr. Y. Ras Mathew	Vertical Axis Wind Turbine For Wind Energy Based Power Generators	2022410139 93	Granted
2	Dr. K. Siva Dr. Y. Ras Mathew	FIRE SPRINKLER	202141049995 A	Granted
3	Dr. C. Nithyanandam	Solar Air Car Purifier	355142- 001	Granted
4	Dr. L. Karthick.	Automatic adjustable seed sowing Machine	367588- 001	Granted

PROGRAMMES CONDUCTED

 **Hindusthan**  
College of Engineering and Technology  
( An Autonomous Institution )

 **nirf**  
NATIONAL INSTITUTE OF  
RANKING FOR FUTURE  
EDUCATION

 **NBA**  
NATIONAL BOARD OF  
ACCREDITATION

 **A++ NAAC**  
NATIONAL ASSOCIATION OF  
ACADEMIC COUNCILS



**DEPARTMENT OF MECHANICAL ENGINEERING**  
(Accredited by NBA under Tier I Category)

In association with BIS Club  
**ORIENTATION PROGRAM ON BIS STANDARDS**

RESOURCE PERSON



**Mr.K.SARATH KUMAR MSW.**  
Bureau of Indian Standards

Date : 28-04-2025      Time : 10.00 AM      Venue: Ganga Hall

<b>COORDINATOR</b> Dr.L.Karthick Mr.A.Sasikumar Mr.D.Prabhu	<b>CONVENOR</b> Dr.K.Siva Dean - IIS & HoD	<b>PATRON</b> Dr.J.Jaya Principal
--	--	---

Valley Campus, Pollachi Highway,  
Coimbatore - 641032      +91 80983 33333  
+91 90470 10006      principal@hiet.ac.in  
hiet.ac.in



Orientation Program

on  
" BIS Standards "

Chief Guest  
Mr . K Sarath Kumar MSW  
Bureau of Indian Standards  
Coimbatore  
Date : 28/04/2025

DEPARTMENT OF MECHANICAL ENGINEERING



**HINDUSTHAN COLLEGE OF ENGINEERING AND TECHNOLOGY**  
(An Autonomous Institution, Affiliated to Anna University, Chennai)  
Valley Campus, Pollachi Highway.  
COIMBATORE-32

**MECHANICAL ENGINEERING ASSOCIATION  
&  
SOCIETY OF AUTOMOTIVE ENGINEERS (SAE) COLLEGIATE CLUB**

**INAUGURATION**

**CHIEF GUEST**



**Mr. SATHISH KUMAR RAVI**  
PROJECT MANAGER  
NEW PROJECT DEVELOPMENT  
GEE KEY ENGINEERING PRIVATE LIMITED  
COIMBATORE

---

**| Date : 07-February-2025( Friday ) | Time : 10:30 AM |**  
**Venue : Ganga Hall, HICET, Coimbatore**

---

<b>MEA COORDINATOR</b>	<b>SAE COORDINATOR</b>	<b>CONVENOR</b>	<b>PRINCIPAL</b>
Mr.N.Prasanna Venkatesan	Dr.Y.Ras Mathew	Dr.K.Siva	Dr.J.Jaya



**Mechanical Engineering Association  
&  
Society of Automotive Engineers (SAE)**

**Chief Guest  
Mr. Sathish Kumar Ravi  
Project Manger  
New Product Development  
GEE KEY Engineering Pvt., Ltd.  
Coimbatore**

**Date : 07/02/2025**

# DEPARTMENT OF MECHANICAL ENGINEERING

 **Hindusthan**  
College of Engineering and Technology  
(An Autonomous Institute)

 **nir**

 **NBA**

 **A++ NAAC**



DEPARTMENT OF MECHANICAL ENGINEERING

TWO DAYS NATIONAL SEMINAR ON  
"E-MOBILITY AND ENERGY STORAGE: OPPORTUNITIES AND CHALLENGES"

SPONSORED BY  
TAMIL NADU STATE COUNCIL FOR SCIENCE AND TECHNOLOGY  
(TNSCST)

RESOURCE PERSON



Er. Bharath N B  
Senior Engineer, Brakes R&D HL Mando  
Anand India Pvt. Ltd., Chennai.

Date: 28.01.2025 to 29.01.2025 | Time: 10:00 am to 12:00 pm | Venue: Ganga Hall

COORDINATOR  
Dr. J. MANIKANDAN  
PROFESSOR/ MECHANICAL

CONVENOR  
Dr. K. SIVA  
DEAN IS  
PROFESSOR AND HEAD  
DEPARTMENT OF MECHANICAL ENGINEERING

PATRON  
Dr. J. JAYA  
PRINCIPAL

Valley Campus, Pollachi Highway,  
Coimbatore - 641 032

+91 98944 59599  
+91 638 13 02220

info@hindusthan.net  
nicolacin



TNSCST Sponsored  
Two Days National Seminar  
on  
"E-Mobility and Energy Storage"  
Opportunities and Challenges"

Resource person  
Er. Bharath N P  
Senior Engineer, Brakes R&D HL Mando  
Anand India Pvt. Ltd., Chennai

Date :28.01.2025 & 29.01.2025



<b>Date</b>	27-02-2024	
<b>Venue</b>	Hindusthan College of Engineering and Technology, Coimbatore	
<b>Achievement</b>	1st Runner up Endurance 1s Best female participant	Best Aesthetic Best Design and CAE Best Business plan
<b>All Indian Rank</b>	1 <sup>st</sup> rank all over India with Five awards	



<b>Date</b>	29-02-2024	
<b>Venue</b>	Manipal Institute of Technology, Udupi	
<b>Achievement</b>	Best captain award Auto cross 1st Manuverability 1st Skid Pad 1st	<b>Overall Runner-up</b>
<b>All Indian Rank</b>	2 <sup>nd</sup> rank all over India with Four awards	



<b>Date</b>	27-02-2024	
<b>Venue</b>	Hindusthan College of Engineering and Technology, Coimbatore	
<b>Achievement</b>	• Skid pad 1st	
<b>All Indian Rank</b>	3 <sup>rd</sup> rank all over India with one award	



DEPARTMENT OF MECHANICAL ENGINEERING

Dr. L. Karthick. S. Sivakumar	Strength of Materials	VA Book Publication
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**FACULTY AWARDS**

S.No	Name of Faculty	Date of Award	Name of the Award	Name of the Professional Society
1.	Dr.K.Siva	2022-2024	Secretary for SAEINDIA Southern Section Management Committee	SAEINDIA
2.	Dr.K.Siva	2022-2024	Chairman for Division Management Committee – Coimbatore	SAEINDIA
3.	Dr.M.Mohanraj	2024	Recognized as a top 2% scientist	Stanford University USA
4.	Dr.M.Mohanraj	2024	Outstanding Reviewer in Energy Journals	Elsevier
5.	Dr.Y.Rasmathew	2022-2024	Treasurer for Division Management Committee – Coimbatore	SAEINDIA

**STUDENT ACHIEVEMENTS**

S. No	Name of the Student	Class	Name of Project	Fund received Y/N	Amount in (Rs.)
1.	Tamilnadu State Council for Science and Technology (TNSCST)	IV MECH	Niral Thiruvizha Innovation Challenge	Y	40,000
2.	BIS	IV MECH	Youth to Youth Connect Campaign	Y	30000
3.	HICET (Research Seed Money)	IV MECH	Heat Pump assisted desalination system	Y	160000



## DEPARTMENT OF AUTOMOBILE ENGINEERING

### ADVANCED ENGINE MAINTENANCE AND OVERHAUL TECHNIQUES FOR ROYAL ENFIELD



A two-day hands-on training program titled "Advanced Engine Maintenance and Overhaul Techniques for Royal Enfield" was conducted with the aim of enhancing students' practical knowledge and technical skills in engine diagnostics and servicing procedures specific to Royal Enfield motorcycles.

**Objective:** To familiarize participants with modern engine maintenance techniques, component dismantling and reassembling practices, and fault analysis of high-performance motorcycle engines.

#### Session Highlights

- Introduction to engine types and Royal Enfield powertrain architecture
- Detailed explanation of engine teardown and inspection procedures
- Hands-on sessions on dismantling and assembling of Royal Enfield engines
- Diagnosis of common engine issues and troubleshooting methods
- Use of specialized tools and torque specifications
- Q&A and interaction session with industry expert Mr. Sam Bijju

**Outcome :** The training enriched students' practical understanding, enhanced their confidence in engine servicing, and opened up new avenues for skill development in two-wheeler maintenance. The session concluded with a feedback and certificate distribution ceremony.

## FOUNDATIONS OF MOTORCYCLE MAINTENANCE: BASIC TRAINING FOR ROYAL ENFIELD ENTHUSIASTS



A foundational training session titled "Foundations of Motorcycle Maintenance: Basic Training for Royal Enfield Enthusiasts" was successfully conducted to introduce students and motorcycle enthusiasts to essential maintenance techniques for Royal Enfield motorcycles. The program emphasized the importance of preventive care, basic diagnostics, and routine service practices.

### Objective

To provide participants with the basic knowledge and hands-on understanding of motorcycle care, focusing on routine maintenance procedures for Royal Enfield models.

### Session Highlights

- Introduction to motorcycle components and their functions
- Overview of Royal Enfield models and their service requirements
- Routine checks: oil level, chain tension, air filter, and brake systems
- Demonstration of periodic maintenance procedures
- Safety measures and correct use of tools
- Interactive Q&A and live demonstrations

### Key Takeaways

- Improved awareness of basic motorcycle health checks
- Practical exposure to workshop practices and tools
- Importance of regular maintenance in ensuring safety and performance
- Career and training opportunities at Royal Enfield

## FACULTY DEVELOPMENT PROGRAMME ON GLOBAL BUSINESS FOUNDATIONS SKILLS



### Objectives

- To develop a deeper understanding of global business etiquette and professional practices
- To improve communication, collaboration, and intercultural competency
- To equip faculty with tools to guide students toward industry readiness
- To integrate global business skills into curriculum design and delivery

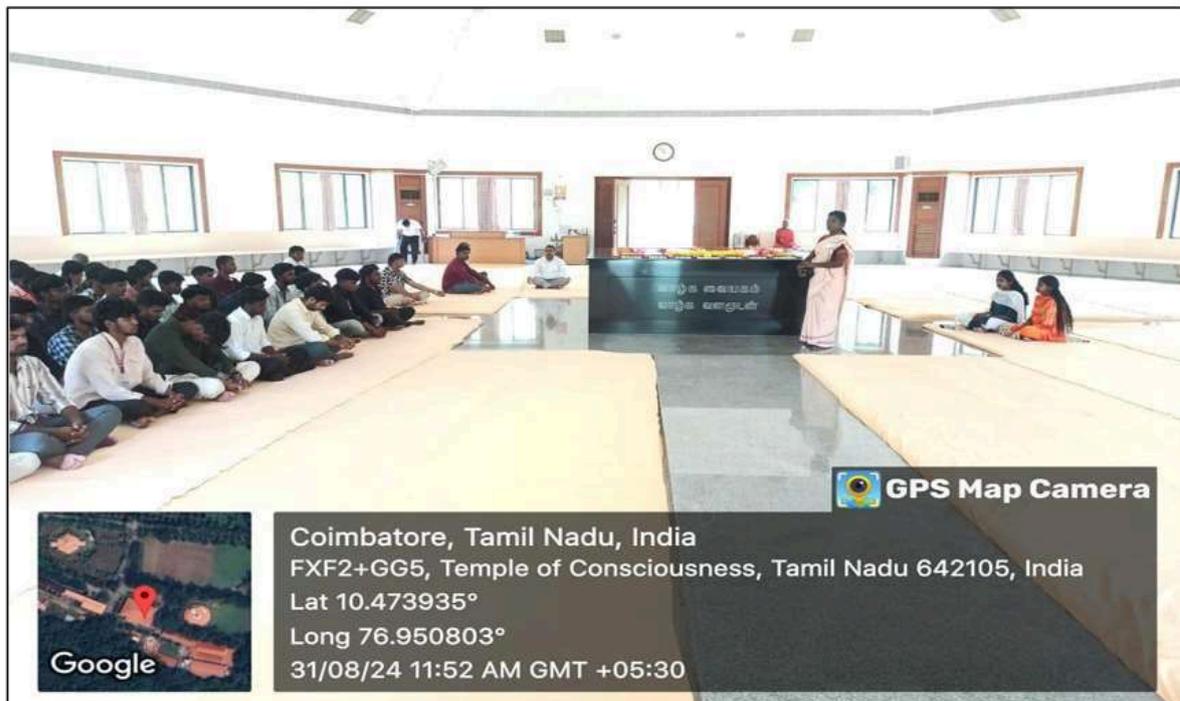
### Session Highlights

- Importance of global business communication and digital fluency
- Effective email writing, presentation skills, and time management
- Cross-cultural communication and workplace behavior
- Collaboration tools and teamwork strategies
- Embedding soft skills into teaching and learning practices
- Interactive role-play and real-world case discussions

### Outcome

Participants gained valuable insights into the expectations of global business environments and learned methods to transfer these skills to students. The FDP empowered faculty to adapt their teaching strategies and mentor students more effectively for international roles and corporate careers.

## MIND-BODY ALIGNMENT: HUMAN VALUES THROUGH THE PATH OF YOGA



A transformative session on "Mind-Body Alignment: Human Values Through the Path of Yoga" was organized at Arivu Thirukovil, Aliyar, with the objective of nurturing holistic well-being and reinforcing core human values through the principles of yoga and conscious living.

**Objective :** To foster inner harmony, personal discipline, and social responsibility among participants by aligning the mind and body through yogic practices rooted in ancient Indian wisdom.

### Highlights of the Program

- Introduction to Aliyar-based lifestyle practices and their philosophical foundations
- Guided sessions on yoga asanas, pranayama, and meditation for inner clarity and physical wellness
- Discussions on human values, including respect, gratitude, empathy, and simplicity
- Real-life insights into value-based education and self-awareness
- Experiential learning in a serene, spiritually charged environment

### Key Takeaways

- Daily habits and routines that cultivate ethical and value-based living  
The power of silence, observation, and conscious breathing

## SEMINAR ON HIGHER EDUCATION AT ABROAD - CGHE CELL



The CGHE Cell organized an insightful seminar on “Higher Education Abroad”, aimed at guiding students through the various pathways, processes, and prospects of pursuing higher studies in international universities.

### Objectives

- To create awareness about global education opportunities
- To guide students on application procedures, eligibility criteria, and scholarship options
- To provide insights into visa processes and cultural adaptation

### Seminar Highlights

- Overview of higher education systems in countries like the USA, UK, Canada, Germany, and Australia
- Step-by-step guidance on university selection, SOP writing, and standardized tests (GRE, IELTS, TOEFL)
- Information on funding, assistantships, and government scholarships
- Interaction with alumni and experts who shared first-hand experiences
- Q&A session to clarify personal queries and application strategies

**Outcome :** The session successfully empowered students with the knowledge and confidence to pursue higher education overseas. It also motivated them to start early preparations with a focused and strategic approach.

## ONE DAY HANDS ON TRAINING FOR FACULTY IN LATEST APPLICATION DEVELOPED IN VOLVO EICHER



A one-day hands-on training program was conducted exclusively for faculty members on the latest digital application developed by Volvo Eicher, aimed at enhancing technical awareness and industry-relevant knowledge among educators in the field of automotive and mechanical engineering.

### Objectives

- To familiarize faculty with real-time industrial tools and applications used in the commercial vehicle segment
- To bridge the gap between academic teaching and current industry practices
- To enable faculty to transfer practical insights and updated content into classroom teaching

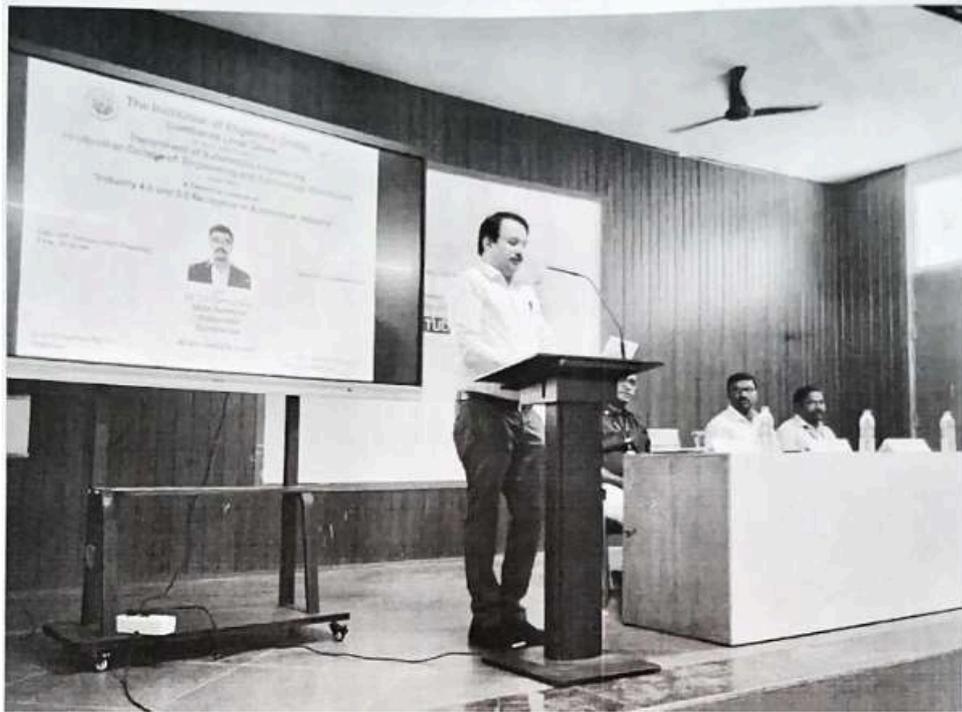
### Training Highlights

- Introduction to Volvo Eicher's latest digital diagnostic/monitoring application
- Live demonstration and faculty interaction with the software interface
- Troubleshooting procedures using digital platforms
- Vehicle performance monitoring and predictive maintenance features
- Discussion on the integration of such tools in academic laboratories and student projects

### Outcome

The session empowered faculty with a clear understanding of how digital applications are revolutionizing the commercial vehicle industry. It also opened avenues for future industry-academia collaboration and research-based learning.

## GUEST LECTURE ON INDUSTRY 4.0 AND 5.0 REVOLUTION IN AUTOMOBILE SECTOR



The Department of Automobile Engineering organized a highly informative guest lecture on "Industry 4.0 and 5.0 Revolution in the Automobile Sector" on [insert date]. The session aimed to provide insights into the transformative technologies reshaping modern automotive industries.

The guest speaker, T R Ramsankar, Deputy General Manager – Technical, Robotics, Coimbatore delivered an engaging presentation covering the core concepts of Industry 4.0 such as automation, data exchange, cyber-physical systems, IoT, and smart manufacturing. He further elaborated on the emerging Industry 5.0 paradigm, which focuses on human-centric innovation, collaboration between humans and intelligent machines, sustainability, and personalization in production.

The session highlighted the relevance of these industrial revolutions in the context of the automobile sector, emphasizing advancements in autonomous vehicles, connected cars, predictive maintenance, and AI-driven design processes. Students gained valuable knowledge about the future job landscape and the skillsets required to thrive in the evolving automotive ecosystem.

The event concluded with an interactive Q&A session, where students actively participated and clarified their queries. The department extends heartfelt thanks to the guest speaker for sharing his expertise and enriching the learning experience of the attendees.

## INAUGURATION OF IEI STUDENT CHAPTER



The Department of Automobile Engineering proudly inaugurated the Institution of Engineers (India) [IEI] Student Chapter on 08.02.2025. The event marked a significant milestone in fostering professional development and engineering excellence among students.

The function also featured speeches by faculty coordinators and student representatives who expressed their enthusiasm for the new opportunities the chapter would offer.

The establishment of the IEI Student Chapter aims to provide a platform for students to engage in technical activities, workshops, industrial visits, and networking with professionals, thus enhancing their practical knowledge and leadership skills.

The event concluded with a vote of thanks and a group photo session, capturing the spirit of collaboration and innovation.

## ONE DAY HANDS ON TRAINING: CNG KIT INSTALLATION FOR EICHER TRUCKS



A one-day hands-on training program was conducted exclusively for faculty members on the latest digital application developed by Volvo Eicher, aimed at enhancing technical awareness and industry-relevant knowledge among educators in the field of automotive and mechanical engineering.

### Objectives

- To familiarize faculty with real-time industrial tools and applications used in the commercial vehicle segment
- To bridge the gap between academic teaching and current industry practices
- To enable faculty to transfer practical insights and updated content into classroom teaching

### Training Highlights

- Introduction to Volvo Eicher's latest digital diagnostic/monitoring application
- Live demonstration and faculty interaction with the software interface
- Troubleshooting procedures using digital platforms
- Vehicle performance monitoring and predictive maintenance features
- Discussion on the integration of such tools in academic laboratories and student projects

### Outcome

The session empowered faculty with a clear understanding of how digital applications are revolutionizing the commercial vehicle industry. It also opened avenues for future industry-academia collaboration and research-based learning.

## NATIONAL LEVEL TECHNICAL SYMPOSIUM VAHANA V8



The Department of Automobile Engineering successfully organized a National Level Technical Symposium, **VAHANA V8** on **04.03.2025**, bringing together budding engineers and innovators from various institutions across the country. The event served as a dynamic platform for students to showcase their technical prowess, exchange ideas, and explore emerging trends in the field of automobile engineering.

Key highlights of the symposium included:

- Paper Presentation
- Project Expo
- Auto Quiz
- CAD Modelling
- Mr. Mechanic
- Auto Expo

The event witnessed enthusiastic participation from students representing numerous engineering colleges, creating a competitive and collaborative atmosphere. Winners were awarded with certificates, trophies, and cash prizes in recognition of their outstanding performances.

The symposium concluded with a valedictory function where the efforts of the organizing team, student volunteers, and faculty coordinators were appreciated. The event was a grand success in fostering technical excellence and networking among future engineers.

# Department of Management Science

## Accreditation

A landmark achievement for the Department of Management Sciences! We are proud to announce the receipt of NBA Accreditation for our program, valid for three years from 2024. This prestigious recognition underscores our relentless pursuit of academic excellence and our commitment to providing top-tier management education. This is a moment of great pride for our entire departmental community!



## Academic Excellence

The Department of MBA is dedicated to crafting a future-ready workforce. Through our rigorous curriculum, we equip students with the vital skills needed to excel in demanding careers and spearhead entrepreneurial ventures. The stellar academic performance in 2023-2025, as reflected in our examination results, powerfully demonstrates our progressive strides towards achieving our overarching departmental mission and vision."

## MBA (2023-2025) who secured CGPA of 8.2 and above



PHAVITHRA S  
CGPA-8.83



VISHNU S  
CGPA-9.1



JAGADEESHWARI RR  
CGPA-8.21

## Department Highlights

The details of programmes organised by the department are as follows:

### 1. Orientation Programme (August 2024)

Our MBA Department welcomed its new cohort with a comprehensive Orientation Programme in August 2024. This vital initiative, coordinated by Dr. S. Kamala Saravanan and Mr. A. Prasanth, equipped 97 students with essential insights into the MBA journey, departmental resources, and a early connections and setting a strong foundation for their upcoming academic pursuits and professional development.



### 2. Onam Celebrations (September 2024)

In September 2024, the department joyfully celebrated Onam, coordinated by Dr. M. Bhuvaneshwari and Mr. A. Prasanth. This vibrant cultural event brought together 60 students and 7 faculty members to experience the rich traditions of the festival. Beyond academics, such celebrations reinforce our inclusive community spirit, allowing students to connect, share cultural values, and build strong bonds within the MBA family.



## Department Highlights

### 3.1000 Rupees Venture (December 2024)

The "1000 Rupees Venture" workshop, held in December 2024 and led by Dr. M. Iswarya, Dr. M. Bhuvanewari and Mr. Prasanth, ignited entrepreneurial spirit among 99 students. This engaging program challenged participants to conceptualize and develop business ideas with minimal seed capital, fostering creativity, business and practical acumen. It was a fantastic platform for budding entrepreneurs to explore innovative solutions.



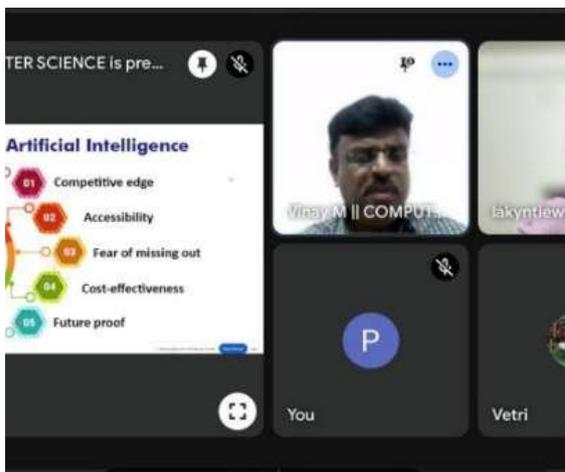
### 4. Certificate Program on Banking, Finance and Insurance (CPBFI) (November-December 2024)

A vital "Certificate Program on Banking, Finance and Insurance (CPBFI)" was conducted from November to December 2024.

Coordinated by Dr. M. Bhuvanewari, this 22-day intensive training, sponsored by Bajaj Finserv, equipped 62 students with specialized knowledge and industry-relevant skills. This program significantly enhanced our students' employability and prepared them for dynamic careers in the financial services sector.



### 5. FDP on AI-Driven Pedagogy and Research: Tools and Techniques (March 2025)



## Department Highlights

### 6. HIMAC 25 (March 2025)



### 7. Awareness on Fire Rescue and Safety Measures for First-Year Students (October 2024)

In October 2024, Dr. A. Jayanthi, Associate Professor of the Department of Management Sciences, organized a crucial workshop on Fire Rescue and Safety Measures for the first-year BE and MBA students. This one-day program saw 100 students and 2 faculty members to learn vital safety protocols from Mr. M. Karuppusamy of the Fire and Rescue Department, TN. This initiative underscores our commitment to ensuring a safe and informed campus environment.

### 8. Awareness on First Aid Techniques for First-Year Students (October 2024)

Following the safety workshop, Dr. A. Jayanthi, Associate Professor of the Department of Management Sciences, hosted an essential session on First Aid Techniques for first-year students on October 8, 2024. This workshop, led by Dr. Lakshmanan from Hindusthan Hospitals, trained 100 students and 2 faculty members. It equipped them with fundamental first aid skills, enhancing their preparedness for medical emergencies and promoting a culture of care within the community.



## Global Immersion Programme

Our 15, II MBA students recently embarked on a transformative Global Immersion Programme to KNOWSKILLS TVET College, Malaysia, from March 16th to 22nd, 2025. Coordinated by Dr. V. Kaarthikheyan, this program offered invaluable international exposure and cross-cultural learning experiences.



## Outreach Activities

Students of I MBA carried out **Social Immersion Project** from 22 January to 3 February 2025. The Social Immersion project was conducted in various places for which students were divided into different groups and they got engaged in the community activities. Through this outreach activity students were able to understand the current issues faced by various people in our society.



students successfully completed a 10-day Social Immersion Program, engaging with rural communities to understand social issues and contribute through impactful activities. The program included awareness drives, educational support, and sustainable development initiatives. It provided students with real-life exposure, empathy, and a deeper understanding of social responsibility and community engagement.



## Outbound Training

5-9 May 2025: I MBA students underwent a two-day (in 2 batches) Outbound Training Program at Leap Learning Academy, aimed at enhancing leadership, teamwork, and interpersonal skills through experiential learning. The program included various outdoor activities, team challenges, and simulation exercises designed to develop problem-solving, communication, and decision-making abilities. Students actively participated in adventure-based tasks that encouraged collaboration, strategic thinking, and self-confidence. The training environment outside the traditional classroom helped students break comfort zones and discover their potential in real-time situations. This impactful learning experience not only built strong team spirit but also prepared students to face workplace challenges with a positive and proactive mindset.



## Internship Success Stories

- Ms. Dharani Ravichandran, Ms. Swetha Rajanbabu, and Ms. Mathuvarshini G of II MBA have embarked on internships at Molecular Connections with a stipend of Rs. 15,000 per month, running from September 2024 to February 2025.
- A cohort of II MBA students – Mr.Karthikeyan T, Shreenivas Anbarasan, Ramasubramaniam M, Sweka M, Suvitha S, Thulasi Mohan L, Muthu Vengatesh A, Dharunkumar, Sundhar K, Madhavan Iyyappan, R Karuppasamy, Praveen K, Srikanth M, Gokulnath G, and Anto Sajon A – have joined Akshayakalpa Organics for an internship with a stipend of Rs. 10,000 per month, from October 2024 to January 2025.
- Our MBA Students Champion Green Initiatives: We are proud to highlight the proactive engagement of our I MBA students, Vidhyambigai M and Subasri K, in the Green Internship program for the 2024-2025 academic year. Collaborating with 1M1B Green Skills Academy, they undertook an internship from December 1, 2024, to February 28, 2025, contributing to vital sustainability efforts.

molecular  
connections



## NPTEL Certifications AY 24-25

*Total Certifications: 58*

*Elite*  
*25*

*Elite-Silver*  
*1*

## NPTEL Certifications by Faculty

1. Dr. S. Kamalasaravanan completed 8-week course on Cost Accounting (Aug–Oct 2024) with 83%, achieved **Elite-Topper recognition, ranked among top 5%**.
2. Dr. V. Kaarthikeyan, Dr. S. Kamalasaravanan, Dr. V. Kanimozhi & Mr. A. Prasanth completed 4-week course on Outcome-Based Teaching (Feb–Mar 2025) in NPTEL.

## Faculty Industrial Visit

Dr.M.Bhuvaneshwari, Dr.A.Jayanthi, Dr.M.Iswarya attended a faculty Industrial Visit to Bull Machines Pvt Ltd, Sulur which was organised by the Coimbatore Management Association on 13 August 2024.



## Collaborative Activities

**Entrepreneurship-IgniteX FDP:** On 26 September 2024, Our MBA and ED cell, HiCET, collaborated with Wadhvani Foundation for a Faculty Development Program, "Entrepreneurship-IgniteX." This FDP is a 3 day offline program with 4 weeks of online engagement. Dr. M. Bhuvaneshwari, Dr. V. Kanimozhi, Mr. Prasanth, and Dr. M. Iswarya participated, enhancing their entrepreneurial knowledge and skills for effective teaching.



**Personality Development & Outreach Program:** On 6 February, 2025 the MBA department, in association with Y Connect and P & G, conducted an impactful 1-day outreach program focusing on Personality Development, Interview Skills, and Menstrual Hygiene.

## Students Shine Bright at Inter-Collegiate Events!

Congratulations to our students who participated in various inter-collegiate events and achieved significant recognition, earning multiple prizes.



## Champions On and Off the Field!

At the Hindusthan Business School, we believe a healthy body fosters a healthy mind, and our students are living proof! We're incredibly proud of their achievements, not only in the classroom but also on the sports fields. Our students consistently demonstrate excellence in academics, showcasing their dedication and intellectual prowess. But their talents extend far beyond textbooks. They're also making their mark in various sports, embodying the spirit of teamwork, discipline, and perseverance.



## Alumni Talk/ Meet

- On October 3, 2024, our students benefited from an insightful Alumni Talk by Mr. Shreehari (2019-21 Batch) in the I MBA Classroom. His session offered valuable perspectives and practical knowledge, connecting academic learning with real-world industry experiences. Such interactions are crucial in bridging the gap between student life and professional careers, inspiring our future leaders. Mr. Shreehari is an Associate at AWS, Ernst & Young, GDS.



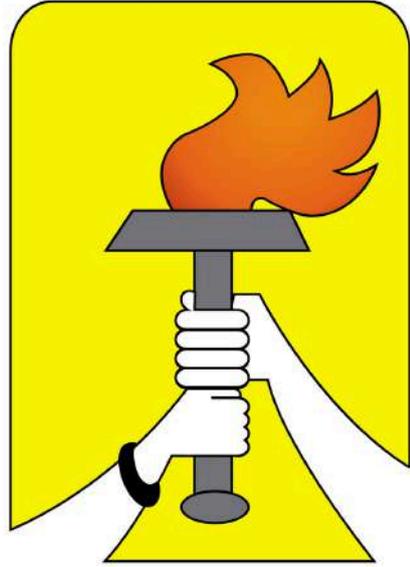
- Mr. Praveen Kumar R, an esteemed alumnus (2017-19 Batch), delivered a highly informative talk on "Career Opportunities for MBA" on October 8, 2024, in Marutham Hall to 148 students. His guidance provided clarity on diverse career paths, essential skills, and industry trends, empowering our MBA students to make informed decisions about their professional futures. Mr. Praveen Kumar is the Associate Manager at Ather Energy, Pondicherry



- The department hosted a vibrant Alumni Meet on March 29, 2025, in the I MBA Classroom, welcoming 42 of our esteemed graduates. This gathering fostered reconnection, networking, and shared experiences, reinforcing the strong bonds within our alumni community. It was a wonderful opportunity to celebrate their successes and discuss future collaborations.



**HINDUSTHAN  
EDUCATIONAL AND**



**CHARITABLE TRUST**

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