

## Hindusthan College of Engineering and Technology

(An Autonomous Institution, Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai)  
Accredited by NBA (AERO, AUTO, CIVIL, CSE, ECE, EEE, IT, MECH, MCTS)  
Accredited by NAAC 'A++' Grade with CGPA of 3.69 out of 4 in Cycle 2  
Valley Campus, Coimbatore - 641 032, Tamil Nadu, India. [www.hicet.ac.in](http://www.hicet.ac.in)

REF. No.: HICET/RC/2024-2025/ODD

Date: 27.06.2024

### CIRCULAR

The Research Committee meeting is scheduled on 01.07.2024 in Board Room at 02.00 PM. All the members of the research committee are requested to attend the Meeting.

#### Agenda:

- Appreciation on Grants received
- Discussion on TNSCST - Student Project Scheme
- Discussion on various proposals schemes like SERB, BRNS, DST, CSIR, MSME, etc.,

  
Research Coordinator

  
Principal

**PRINCIPAL**

Hindusthan College Of Engineering & Technology  
COIMBATORE - 641 032

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The Management for kind information  
Deans / Directors  
All Heads and members  
Office File



# **Hindusthan College of Engineering and Technology**

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REF. No.: HICET/RC/2024-2025/ODD

Date: 03.07.2024

## **Minutes of Meeting**

Name of the Meeting : Research Committee Meeting  
Date and Time of the Meeting : 01.07.2024 02:00 PM, Board Room

### **Chairperson**

Dr. J. Jaya - Principal

### **Research Coordinator**

Dr. D. Karunanidhi, Professor/ Dept. of Civil Engineering

### **Members**

S.No	Name of the Members	Designation & Department
1	Dr.P.N.Magudeswaran	Dean - Academics
2	Dr.K.Siva	Professor & Head/MECH
3	Dr.C.Sabarinathan	Professor & Head/AUTO
4	Dr.M.Seenuvasan	Professor & Head/CHEM
5	Dr.S.Shankar	Professor & Head/CSE
6	Dr.P.Vijayalakshmi	Professor & Head/ECE
7	Dr.B.Anand	IQAC Coordinator
8	Dr.N.P.Ananthamoorthy	Professor & Head/EEE
9	Dr.S.Saravana Sundaram	Professor & Head/BME
10	Dr. M. Sabirigiriraj	Professor Head/IT
11	Dr.V. Kaarthickheyan	Professor & Head/MBA
12	Dr.K.P.Uma	Professor & Head/S&H



## Meeting Minutes

The principal welcomed the members of Research Committee and informed them that the following grants were received for project and conducting National Seminar in the Academic Year 2024- 2025.

S.No	Title	Funding Agency	Fund Received in Rs.
1	Niral Thiruvizha Project under Naan Muthalvan Scheme (41 Nos)	Government of Tamil Nadu	4,10,000
2	Performance enhancement of perovskite solar cell using tandem architecture	SERB	23,05,292
3	Three-day National Level Seminar on Climate change impacts on groundwater resources: A step towards sustainable development	SERB	2,50,000
4	Flexi fuel vehicle an indigenous Ecofriendly solution to the Automobile industry	CSIR	15,000
5	Sustainability through Green Vehicles: Powered by Hydrogen, Fuel Cell, CNG and Flex Fuel	IEI	40,000
6	TOMATO grand challenge scheme	AICTE	1,33,940

- The principal suggested applying for proposals under SERB and discussed the various proposals schemes
- The committee discussed the DST, Energy, Geospatial Technology and other Scheme.
- The chairperson insisted on applying for more proposals under TNSCST – SPS and Technology based Project.



- The chairperson informed to encourage Faculty members to publish their research work in renowned journals and also informed that the Incentives and other benefits as per the norms of policy for the promotion of research were given to the Faculty Members.
- The Research coordinator informed about the call for research seed money.
- All above suggestions will be communicated to the Management and Head of the Department for further action.

  
Research Coordinator




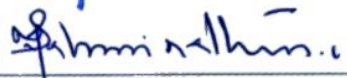


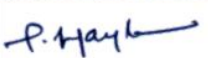





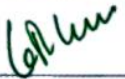

  
Principal

**PRINCIPAL**  
Hindusthan College Of Engineering & Technology  
COIMBATORE - 641 032





**Signature of Members Present:**

S.No	Name of the Members	Signature
1.	Dr.J.Jaya	
2.	Dr.P.N.Magudeswaran	
3.	Dr.K.Siva	
4.	Dr.C.Sabarinathan	
5.	Dr.M.Seenuvasan	
6.	Dr.S.Shankar	
7.	Dr.P.Vijayalakshmi	
8.	Dr.B.Anand	
9.	Dr.N.P.Ananthamoorthy	
10.	Dr.S.Saravana Sundaram	
11.	Dr.V. Kaarthickheyan	
12.	Dr. M. Sabrigiriraj	
13.	Dr.K.P.Uma	
14.	Dr. D. Karunanidhi	





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Othakkalmandapam (Post), Coimbatore - 641 032, Tamil Nadu, INDIA

REF. No.: HICET/RC/2024-2025/EVEN

Date: 02.01.2025

## CIRCULAR

The Research Committee meeting is scheduled on 07.01.2025 at 11.00 a.m. All the members of the research committee are requested to attend the meeting.

Venue: IQAC Board Room

### Agenda:

- Appreciation on Grants received
- Discussion on various proposals schemes like SERB-POWER, CSIR

  
Research Coordinator

  
Principal

**PRINCIPAL**

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REF. No.: HiCET/RC/2024-2025/EVEN

Date: 09.01.2025

## Minutes of Meeting

Name of the Meeting : Research Committee Meeting  
Date and Time of the Meeting : 07.01.2025 11:00 AM, Board Room

### Chairpersons

Dr.J.Jaya – Principal

### Research Director

Dr. D. Karunanidhi, Professor/ Dept. of Civil Engineering

### Members

S.No	Name of the Members	Designation & Department
1	Dr.P.N.Magudeswaran	Dean - Academics
2	Dr.K.Siva	Professor & Head/MECH
3	Dr.N.P.Ananthamoorthy	Professor & Head/EEE
4	Dr.C.Sabarinathan	Professor & Head/AUTO
5	Dr. R.Palani	Professor & Head/CHEM
6	Dr.S.Shankar	Professor & Head/CSE
7	Dr.P.Vijayalakshmi	Professor & Head/ECE
8	Dr.B.Anand	Professor & Head/EIE
9	Dr.S.Saravana Sundaram	Professor & Head/BME
10	Dr. M. Sabirigiraj	Professor Head/IT
11	Dr. V. Kaarthickheyan	Professor & Head/MBA
12	Dr.K.P.Uma	Professor & Head/S&H



## Meeting Minutes

- The principal welcomed the members of the Research Committee.
- The principal appreciated the faculty members for receiving the grant under various schemes in the Academic year 2024-2025.

S.No	Title	Funding Agency	Fund Received in Rs.
1	Experimental study of Aerodynamic performance on Fish Scale array	TNSCST - SPS	7500
2	IoT based smart blind stick	TNSCST - SPS	7500
3	Production of Hybrid Bio-Plastic from Banana peel, Casava peel, Egg shell and Corn Strach	TNSCST - SPS	7500
4	Solar Powered Medical ROBO for Physically Challenged Persons	TNSCST - SPS	7500
5	Electric Cargo Cycle	AICTE Bharath Cycle Design Chalange	40000
6	Form Rover	AICTE Tomato Grand Challenge	267880
7	Noise Insulation Using Sugarcane Bagasse Fibre Composite Material	TNSDC under NIRAL THIRUVIZHA	10000
8	Development of Space Rover Efficiency from Solar in Longitudinal Direction	TNSDC under NIRAL THIRUVIZHA	10000
9	Non thermal techniques to enhance the shelf life of neera (coconut sap)	TNSDC under NIRAL THIRUVIZHA	10000
10	Leveraging Satellite Imagery and Machine Learning for Vegetation Management in Power Transmission Lines	TNSDC under NIRAL THIRUVIZHA	10000





11	LearnUP- An AI powered education app ensuring inclusivity for students with disabilities	TNSDC under NIRAL THIRUVIZHA	10000
12	AI-Powered Smart Nutrition Analyst for Fitness Enthusiast	TNSDC under NIRAL THIRUVIZHA	10000
13	A Green and Sustainable Recovery: Cu@Zno Nanocomposite from E-Waste with Chelation Technology and its Application as Antibacterial Agent	TNSDC under NIRAL THIRUVIZHA	10000
14	Utilization of Waste Plastic Fibres for Reinforcement in Concrete	TNSDC under NIRAL THIRUVIZHA	10000
15	AI Based Nutrition Analyzer for Fitness Enthusiasts	TNSDC under NIRAL THIRUVIZHA	10000
16	IOT enabled fire detection with emergency communication system for hilly and forest regions	TNSDC under NIRAL THIRUVIZHA	10000
17	Charging slot prediction and automation system for electric vehicle Charging station	TNSDC under NIRAL THIRUVIZHA	10000
18	Heart Attack Detection and Heart Rate Monitoring System Using IoT	TNSDC under NIRAL THIRUVIZHA	10000
19	Design and Implementation of Iris controlled Smart Robotic wheel chair for Quadriplegia patients using Deep learning Algorithms and IOT	TNSDC under NIRAL THIRUVIZHA	10000
20	SDR based Solutions for Emergency Communication System in Hilly and Forest Regions	TNSDC under NIRAL THIRUVIZHA	10000
21	Earthquake Monitoring and Alerting System Using IoT	TNSDC under NIRAL THIRUVIZHA	10000



22	AI Implemented most Advanced Pedestrian Dropper for Blind and Elderly Persons	TNSDC under NIRAL THIRUVIZHA	10000
23	Smart Lavatory Featuring Automatic Self Cleansing and UV Disinfection	TNSDC under NIRAL THIRUVIZHA	10000
24	Milk quality monitoring system	TNSDC under NIRAL THIRUVIZHA	10000
25	Development of plant based non-dairy beverage	TNSDC under NIRAL THIRUVIZHA	10000
26	Citrus Peel Fermented Beverage Enriched with Vitamin C and Antioxidant (Wine)	TNSDC under NIRAL THIRUVIZHA	10000
27	Tea Leaf Disease Prediction Using Deep Learning Algorithm	TNSDC under NIRAL THIRUVIZHA	10000
28	Intelligent Chatbot for Government Scheme Information and Eligibility Assesment	TNSDC under NIRAL THIRUVIZHA	10000
29	Automated Leaf Disease Detection for Crop Health Monitoring	TNSDC under NIRAL THIRUVIZHA	10000
30	Solar Powered Weed Cutter	TNSDC under NIRAL THIRUVIZHA	10000
31	Combined Oil Skimming and Waste Collecting Ro Boat	TNSDC under NIRAL THIRUVIZHA	10000
32	Sensory Detection of Hazardous Gases in Poultry Farms	TNSDC under NIRAL THIRUVIZHA	10000
33	Smart Shopping Assistance Robot Using Artifical Intelligence	TNSDC under NIRAL THIRUVIZHA	10000



34	Autonomous Bee with 3D Image Capture through Remote Sensing Technology	TNSDC under NIRAL THIRUVIZHA	10000
35	Two stage cascade heat pump for high temperature	TNSDC under NIRAL THIRUVIZHA	10000
36	Performance Enhancement of Diesel Engine by Optimizing the Flow Rate and Compression Rate	TNSDC under NIRAL THIRUVIZHA	10000
37	Mushroom Drying with Solar Assisted Heat Pump System	TNSDC under NIRAL THIRUVIZHA	10000
38	Power Generation using Vertical Axis Revolving Gate in Railway Platform	TNSDC under NIRAL THIRUVIZHA	10000

- The principal appreciated the faculty members for their valuable contribution to the research by publishing research papers, books and patents.
- The chairperson insisted to publish more patents.
- The committee discussed and decided to apply SERB-POWER (Promoting Opportunities for Women in Exploratory Research)
- The committee also discussed SERB - POWER Fellowship for women researchers
- All above suggestions will be communicated to the Management and Head of the Department for further action.

  
Research Coordinator

  
Principal



**PRINCIPAL**  
Hindusthan College Of Engineering & Technology  
COIMBATORE



Signature of Members Present:

S.No	Name of the Members	Signature
1.	Dr.J.Jaya	
2.	Dr.P.N.Magudeswaran	
3.	Dr.K.Siva	
4.	Dr.C.Sabarinathan	
5.	Dr. R. Palani	
6.	Dr.S.Shankar	
7.	Dr.P.Vijayalakshmi	
8.	Dr.B.Anand	
9.	Dr.N.P.Ananthamoorthy	
10.	Dr.S.Saravana Sundaram	
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REF. No.: HICET/RC/2024-2025/EVEN

Date: 22.05.2025

## CIRCULAR

The Research Committee meeting is scheduled on 28.05.2025 at 10.30 a.m. All the members of the research committee are requested to attend the meeting.

Venue: IQAC Board Room

### Agenda:

- Appreciation on Grants received
- Discussion on TNSCST - Student Project Scheme
- Discussion on various proposals schemes like AICTE - RPS, AICTE VAANI scheme

  
Research Coordinator

  
Principal

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Othakkalmandapam (Post), Coimbatore – 641 032, Tamil Nadu, INDIA

REF. No.: HiCET/RC/2024-2025/EVEN

Date: 30.05.2025

## Minutes of Meeting

Name of the Meeting : Research Committee Meeting

Date and Time of the Meeting : 28.05.2025 at 10:30 a.m, IQAC Board Room

### Chairperson

Dr. J. Jaya – Principal

### Research Coordinator

Dr.M.Sabrigiriraj, Professor/Dept. of Information Technology

### Members

S.No	Name of the Members	Designation & Department
1	Dr.P.N.Magudeswaran	Dean - Academics
2	Dr.K.Siva	Dean – IIS, Professor & Head / MECH
3	Dr.N.P.Ananthamoorthy	Dean – SA, Professor & Head/EEE
4	Dr.C.Sabarinathan	Professor & Head/AUTO
5	Dr.S.Saravana Sundaram	Professor & Head/BME
6	Dr.K.Akil	Professor & Head/CIVIL
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8	Dr.S.Shankar	Professor & Head/CSE
9	Dr.P.Vijayalakshmi	Professor & Head/ECE
10	Dr.B.Anand	Professor & Head/EIE
11	Dr V.T.Gopinathan	Associate Professor & Head/AERO
12	Dr.P.T.Saravanakumar	Professor & Head/MCT
13	Dr.V. Kaarthickheyan	Professor & Head/MBA
14	Dr.K.P.Uma	Professor & Head/S&H

## Meeting Minutes

- The chairperson welcomed the members of Research Committee.
- The chairperson appreciated the faculty members for receiving the grant under various schemes in the Academic Year 2024- 2025.

S.No	Title	Funding Agency	Fund Received in Rs.
1	Margdarshan Scheme	AICTE	15,00,000
2	Advanced Strategies for Optimizing Drone Networks and Operational Efficiency	AICTE ATAL FDP	1,00,000
3	Design and Fabrication of Automatic Weeding Machine for Agricultural application using Image Recognition	TNSDC under Niral Thiruvizha	10,000
4	Design and Development of Farm Rover	TNSDC under Niral Thiruvizha	10,000
5	Optimizing Fisheries with AI: Enhancing Fish Deection, Efficiency and Sustainability at Sea	TNSDC under Niral Thiruvizha	10,000
6	AI Driver Tracking Fleet Management System	TNSDC under Niral Thiruvizha	10,000
7	Heritage Explorer TN-AI powered Multilingual Tourist Guide	TNSDC under Niral Thiruvizha	10,000
8	Next-Gen Emergency Response: SDR -Powered Communication For Iolated Communities	TNSDC under Niral Thiruvizha	10,000
9	Smart Agricultural Markets: AI Driven Price Prediction and Block Chain Based Transparency	TNSDC under Niral Thiruvizha	10,000
10	AgroConnect	TNSDC under Niral Thiruvizha	10,000
11	Reliable Safety System For Tribal Areas: Mitigating Wild Life Enroachment With Alerts And Assistance	TNSDC under Niral Thiruvizha	10,000
12	TheraGlove: Smart Integration for Chronic Disease Management through a Mobile Healthcare Application	TNSDC under Niral Thiruvizha	10,000





13	Speech Sign Language using 3D Avatar	TNSDC under Niral Thiruvizha	10,000
14	Hospitrack: Comprehensive Patient Operations Monitoring system	TNSDC under Niral Thiruvizha	10,000
15	MediTrack: An AI Integrated Hospital Management System with Realtime Patient Care and Data Analytics	TNSDC under Niral Thiruvizha	10,000
16	Performance Study of Bio-Inspired Propeller Geometry for Efficient and Silent Flight of Swarm Drones	TNSDC under Niral Thiruvizha	10,000
17	Development of Light Weight and Cost-effective Rural Housing Unit using Expanded Polystyrene Panels	TNSDC under Niral Thiruvizha	10,000
18	Design and Fabrication of Solar assist Water Purifier	TNSDC under Niral Thiruvizha	10,000
19	Integration for waste minimization recycling efficiency and environmental compliance	TNSDC under Niral Thiruvizha	10,000
20	Blindspot Monitoring system for Automotive	TNSDC under Niral Thiruvizha	10,000
21	Preservation and development of value added product from palmyra fruit (Nungu) using freeze drying: effects on nutritional content and physicochemical properties.	TNSCST-SPS	7,500
22	Smart ventilator	TNSCST-SPS	7,500
23	Experimental study on non uniform stone column with geosynthetic encasement and partially replaced with rubber crumbs and marbles waste	TNSCST-SPS	7,500
24	Cubesat for detecting and mapping space debris around low earth orbit	TNSCST-SPS	7,500
25	Smart chair for disabled therapeutic patient support of spine posture monitoring with IoT enabled	TNSCST-SPS	7,500
26	Augmented Reality (AR) Glasses for Mobility Assistance Bridging the Gap for the Visually Impaired	TNSCST-SPS	7,500
27	Muscle Hypertrophy Band	TNSCST-SPS	7,500
28	TheraGlove: Innovative Vibration Therapy with Intelligent Scheduling for Accelerated Stroke Rehabilitation	TNSCST-SPS	7,500





29	EV BMS with charge monitor and fire protection with zone speed control	TNSCST-SPS	7,500
30	Emergency Steering Assistance System (ESAS) using AI powered driver health monitoring and vehicle dynamics integration	TNSCST-SPS	7,500

- The committee discussed the ANRF Start-up Research Grant (SRG) Scheme.
- The chairperson insisted on applying for more proposals under TNSCST – SPS & AICTE ATAL FDP.
- The committee discussed the emerging areas for applying conferences, seminars, and workshops under AICTE VAANI Scheme.
- The committee discussed about the AICTE-QIP-PG Certificate Programme.
- The Research coordinator informed about the status of Research seed money.
- The chairperson insisted to motivate students to publish more research papers and patents.
- All above suggestions will be communicated to the Management and Head of the Department for further action.
- The meeting came to a close at 12.30 p.m.







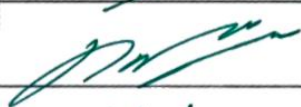




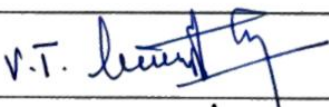
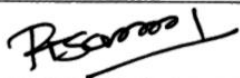

  
**Research Coordinator**

  
**Principal**

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COIMBATORE - 641 032



Signature of Members Present:

S.No	Name of the Members	Signature
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2.	Dr.P.N.Magudeswaran	
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