



NEW HORIZON COLLEGE OF ENGINEERING

Ethics Committee

(To review research proposals, Ph.D. dissertations, innovations, ideas, and institutional publications)

Evidence Submission

Detail	Link
Details of the committee with roles and responsibilities	https://researchnhce.newhorizoncollegeofengineering.in/institution-research-ethics-committeeirec/
Agenda and MOM of recent meetings along with actions taken	https://researchnhce.newhorizoncollegeofengineering.in/wp-content/uploads/2025/02/Minutes-of-Meeting.pdf



NEW HORIZON COLLEGE OF ENGINEERING

RESEARCH ETHICS POLICY (REP)

1. Policy Statement

New Horizon College of Engineering (NHCE) is committed to supporting highest standards of research integrity in all aspects of research. Research integrity relates both to the scientific integrity of conducted research and the professional integrity of researchers. Integral to this commitment to research integrity is the implementation of a culture that promotes robust and transparent research ethical standards.

2. Aim & Objective

The purpose of this policy is to articulate the ethical principles, procedures, and expectations that inform the conduct of research activities undertaken by NHCE faculty, staff and students. This policy seeks to harmonize processes across NHCE, with the aim of supporting faculty and students to enact the highest standards of ethical conduct in research.

3. Scope

This applies to all students and faculty at NHCE and all research carried out at, or in the name of, New Horizon College of Engineering, including research at other sites and internationally.

4. Definitions

Research is broadly conceived to include any form of disciplined inquiry undertaken by faculty and students that aims to contribute to a body of knowledge or theory. Some consultancy, and knowledge exchange and impact activities, including public engagement, may also include activities, that may be categorized as research.

Researcher is broadly conceived to include those who engage in the research activities outlined above and are employed by, or registered as a student at NHCE. Researchers also include honorary members, those who are visiting from other institutions and organizations, and those who are undertaking or supervising research at or for the Institution.

Research Ethics involve the application of ethical principles to research activities. These ethical principles are applied throughout the lifetime of a research project from conception and design, via data collection and analysis, to dissemination, archiving of research materials, and beyond. Researchers have a responsibility to undertake their research with due diligence of all relevant

ethical considerations Research Ethics Review comprises the proportionate review of the ethics and trust issues associated with planned research activities, and how those ethics issues will be addressed by the researchers. All researchers should explicitly self-evaluate the ethical implications of all of their research. Where the research might be reasonably be considered to raise ethical questions, then research ethics review will be required before the research commences. Ethical considerations are not solely to preserve of research on humans and animals, many other fields do have ethical considerations. It is the responsibility of the researchers to consider, and implement it. Where independent scrutiny required, the Research Advisory Committee (RAC) or the Department Research Committee (DRC) can undertake the review. The purpose of the review is to provide an opinion on the ethical appropriateness of the proposed research, and, if appropriate to suggest changes to the research that would improve its ethical status.

There is an Institution Research Ethical Committee being constituted to review every year the overall ethical practices carried out by the researchers and students. Research Integrity requires complying with the ethical, legal and professional frameworks, authorities, employers and funding agencies. A favorable opinion following ethical review is an important, but insufficient, requirement on its own to enable the research to proceed and meet the highest research integrity standards. Researchers must also ensure appropriate governance procedures are adhered to prior to and throughout the lifespan of the research.

3. Research Ethics Principles and Values

This policy enacts NHCE values to be principled, considerate and respectful, and act with integrity in our research. The policy aims to safeguard the interests and well-being of researchers, research participants (both human and non-human), the wider research community, the environment, and broader society throughout the research life cycle, and beyond.

3.2 Beneficence and non-maleficance

Researchers seek to maximize the benefits of their research for individuals, the environment, the society and above all the country and to avoid or minimize risk of harm via appropriate robust precautions.

3.3 Integrity, Openness and Transparency

Researchers design and conduct research to ensure its methodological integrity, and contribution to knowledge, working within the limits of their professional competence, and/or with appropriate supervision. The aim of the research is transparent, and the full record of the research should be as open as possible, and as closed as necessary. Researchers undertake due diligence to assess the integrity of potential research partners, maintain independence of research, and make explicit any unavoidable actual or potential conflicts of interest. As research partnership evolve and develop over time, researchers will continue to monitor issues relating to integrity, independence, and conflicts of interest.

3.4 Dignity and Respect

Researchers respect the rights, autonomy, privacy, interests, values, and dignity of fellow researchers and research participants, including humans, human tissue, and non-humans alike. Researchers need to restrict themselves from going beyond stated objectives or imposing more than necessary on research participants. All the issues related to research should be communicated to all the participants and proceed with the due consent of all the participants. Where obtaining consent will be difficult, researchers are advised to abide by the best practices of the University. Researchers and participants should take at most care in data management in order to maintain its confidentiality, security and adherence to legal and ethical obligations.

3.5 Responsibility and Accountability

Researchers should take the responsibility for adhering to the ethical principles. They are also accountable for the actions and decisions they make, including promoting ethical conduct and guarding against unethical practices and misconducts. Equity, Diversity and Inclusion Institution believes in the inclusiveness in the research arena, hence researchers to consider equality, diversity and inclusion in all aspects of research. They should promote inclusive environment ensuring fairness Researchers may align their work with ethical principles outlined by funding agencies, and/or collaborative organizations, and with respect to cultural contexts. Sometimes these additional principles will be complementary to the Institution principles. In such situation, where there is a conflict, the same may be subject to the review by the Institution Research Ethical Committee and the decision of the committee will be binding for the researchers.

4. Procedure for Implementing Research Ethics Policy (REP)

All researchers of the New Horizon College of Engineering are responsible for the implementation of the Institution Research Ethics Policy. Institution Research Ethics Committee (IREC) is the guiding committee in order to establish robust ethical standards in the New Horizon College of Engineering. New Horizon College of Engineering is committed to support learning on research ethics involving good practice, learning, and challenges in order to optimize research integrity. Regular training to all the stake holders will also be ensured in order to establish the ethical standards.

5. Roles and Responsibilities of the Institution in Support of Research Ethics

NHCE a responsibility to maintain a positive research environment that encourages the highest standards of research practice. This involves governance, review and training for both researchers and those involved in operating these structures. NHCE has a responsibility to provide mechanism for applying for research ethics review, risks involved, and facilitate the review process. Further, it the responsibility of the Institution to recognize and respond to emerging and complex challenges in relation to ethical practices.

6. Roles and Responsibilities of the Researchers in Adhering to Research Ethics Standards

Ethics is the cornerstone of the research integrity. Thus, the policies and procedures in place is aimed to support researchers in undertaking high quality research. All researchers have an individual responsibility to ensure that they have an up to date working knowledge of relevant ethical issues in their research area, and they have adequate training required for their role as well specialized training relevant to their field of study. Faculty members have also the additional responsibility to apprise the research students (Ph.D. Scholars and project students) of the ethical issues and requirements associated with their research.

In case, faculty members and/or research students seek for the review of their work by the IREC, then they should apply in advance and they should view the review process as a collegial and constructive process. Failure to meet research ethical obligations can be considered as research mis-conduct and will be subject to review. Actions will be taken as per the suggestion of the IREC.

7. Roles and Responsibilities of Student Involved in Research

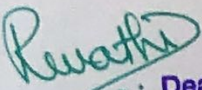
Students undertaking research as per their curriculum demand in the level of UG, PG, PhD, must adhere to appropriate ethical principles and procedures depending on their nature and level of study. Engaging the students with research ethics also represent a teaching-learning opportunity for the students. For students also, failure to meet ethical standards, will be regarded as research mis-conduct. This failure may lead to referral of the student to proctorial board for appropriate action under academic misconduct.

8. Role of Institution Research Ethics Committee (IREC)

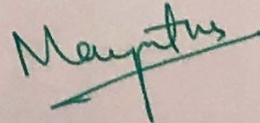
Institution Research Ethics Committee is constituted to suggest appropriate measures to ensure the establishment of high standard of research environment in the Institution from time to time. The IREC tenure will be for three years and will be reconstituted after each three years by the approval of the competent authority. The IREC has to look into the matters of conflict of interest (if arises) and guide the researchers appropriate measures to come over such type of issues. IREC should meet at least twice in a year. Depending on the situation emergent meeting may be called upon by the approval of the competent authority

Members of Institution Research Ethics Committee (IREC)

S. No	Name of the Member	Designation	Role
1.	Dr. Manjunatha	Principal	Chairman
2.	Dr. Vinoth Kumar K	Professor & Associate Head - R&D	Member
3.	Dr. Agalya V	Professor & Associate Head - R&D	Member
4.	Dr. Sujin Jose A	Associate Professor	Member
5.	Dr. Revathi V	Dean - R&D	Secretary


Dean
Department of Research and Development
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New Horizon Knowledge Park, Bellandur Main Road,
Near Marathahalli, Bengaluru - 560 103




Manjunatha
Principal
New Horizon College of Engineering
Ring Road, Bellandur Post, Near Marathahalli,
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Department of Research and Development

Institution Research Ethics Committee (IREC)

Minutes of Meeting

Date of Meeting: 06.01.2025

Time: 11:30 am - 01:00 pm

"A meeting of the Institution Research Ethics Committee (IREC) was held at 11:30 am on 6th January 2025 at the Principal Conference Room to discuss various issues pertaining to Ethical Code of Conduct in research"

Agenda

1. Confirmation of Previous Minutes of Meeting and Action Taken Report
2. Measures to create awareness of research ethics
3. Outcomes of Research Review and assessment for faculty members
4. Clearance for New Funding Research Proposals from IREC
5. Faculty Research Portals Updation
6. Journal Special Issues to avoid research ethical pitfalls
7. Updation in R&D Notice Boards in Departments
8. Awareness programmes for research ethics

Members Present

S.No	Name of the Member	Designation	Role
1.	Dr. Manjunatha	Principal	Chairman
2.	Dr. Vinoth Kumar K	Professor & Associate Head - R&D	Member
3.	Dr. Agalya V	Professor & Associate Head - R&D	Member
4.	Dr. Sujin Jose A	Associate Professor	Member
5.	Dr. Revathi V	Dean - R&D	Secretary

Discussion

Dean - R&D mentioned, as we step into CY 2025, I want to take a moment to reflect on the remarkable progress we've made together over the past year 2024. Our collective commitment to Research has led to groundbreaking advancements, and I am excited for the opportunities the new year holds. This year, let's continue pushing the boundaries of knowledge, embrace challenges as opportunities, and inspire one another to reach new heights. May we continue to foster a collaborative

environment where creativity thrives and where every idea, big or small, can spark the next great breakthrough.

The Dean of Research and Development read out the minutes of the previous meeting and secured the approval of the house for the same after discussion.

Principal suggested to conduct the Monthly R&D audit (Review) and assessment to all the faculty members as per Institution guidelines and to fulfil Research ethics in addition to that R&D department will facilitate the NOC / Endorsement etc of Funding (Grants) proposal submission proformas from Principal Office. In continuation to that, it is informed that all the faculty members should submit NOC / Endorsement forms etc related to Research Grants to R&D department.

Dean of Research and Development observed that steps are to taken to create awareness on research ethics among students and faculty members. Dean mentioned about the recently received approval from AICTE to start AICTE IDEA Lab in NHCE.

The IREC approved the research proposals submitted by the faculty members of NHCE as per Table 1.

Table 1. Research Funding Proposal Details

Agency Name	Scheme	Title of the Project	Coordinator	Co-Cordinator	Department
NVIDIA Corporation	Academic Grant Program	Wearable Navigation System for Visually Challenged People using LLMs and NVIDIA GPU Technology	Dr. Sreejith S	Dr. N V Uma Reddy Dr. Uma Maheshwaran	AIML
DST	Call for Proposals on Advanced Materials	Designing and Development of High -Performance Supercapacitors based on Novel Hybrid Nanomaterials for Enhanced Energy Storage	Dr. Nagaswarupa H P	Dr. Ramachandra Naik	Applied Sciences
DST	Call for Proposals on Advanced Materials	Pancreas Inspired Thin Film Semiconductors using Nano Metal Oxides Material for Continuous Blood Glucose Sensing and Intervention Devices	Dr. Srinath. M. K	Dr. Revathi V	ME
MEITY	Electronics & ICT Academy	Research Potential in Advanced Power Electronics Convertor in Renewable Energy Applications	Dr. Vinoth Kumar K	Dr. Sujitha S	R&D, EEE
ICSSR	ICSSR research grant (Scheme Code - 0877)	Empowering India's Trade and Commerce through Fintech: Reducing Import Dependence and Promoting Domestic Production	Dr. Rose Kavitha	-	MBA
ICSSR	ICSSR research grant (Scheme	The Impact of Fintech on Indian Trade and Commerce: Bridging Digital Innovation and Market Growth	Dr. Rose Kavitha	-	MBA

	Code - 0877)				
AICTE	Unnat Bharat Abhiyan - SEG	27 Projects applied across all the departments	Applied across all the departments		
Pure Ocean	Pure Ocean	Design and developmnt of Aqua Clean Bot for Marine Pollution and Protecting Biodiversity	Dr. Sonia Maria D'Souza	Mr. Ramesh Prasad R	AIML
AICTE	ATAL Online 6 Day Faculty Development Programmes 2024-25	Frontiers of Computing: Advanced Training in Supercomputing, AI, and Quantum Technologies	Dr. Sonia Maria D'Souza	Dr. Sanjeev P Kaulgud	AIML
DST	NIDHI PRAYAS GRANT	Machine Learning-Driven apiculture system for optimizing honeynee foraging patterns, Hive Health Monitoring and colony collapse disorder prevention	Dr. Sonia Maria D'Souza	Dr. N V Uma Reddy	AIML
ICSSR	Indian Council of Social Science Research	Advanced Technological Solutions for Sustainable Agriculture and Rural Transformation in India	Dr. Agalya V	Dr. Suganya R	R&D & CSE (DS)
IISC	IISC Quantum Research Technology Initiative (IQTI) Mini Project Scheme	Quantum-Driven Apiculture system for optimizing honeybee foraging patterns, Hive health monitoring and colony collapse disorder prevention	Dr. Sonia Maria D'Souza		AIML

IREC approved to provide No Objection Certificate for the Project Titled "*Machine Learning-Driven apiculture system for optimizing honeynee foraging patterns, Hive Health Monitoring and colony collapse disorder prevention*" to Dr. Sonia Maria D'Souza for application process to NIDHI PRAYAS GRANT Scheme under DST.

IREC approved to provide "No Objection Certificate" for the Project Titled "*A correlational study on Probing the Mediating Effects of Self-Efficiency and Optimism on the Relationship Between Emotional Intelligence and Resilience among Students*", for carrying out research in studies on Human Subjects, by Dr. Dhanalakshmi R V, Associate Professor, Department of Management Studies, New Horizon College of Engineering, Bengaluru, as the Principal Investigator.

Dr. Vinoth Kumar K, Associate Head - R&D confirmed about the Research ethics awareness programmes successfully conducted from August 2024 to December 2024. In the same manner, it is decided to conduct the awareness programmes for the students and faculty

members about Research Ethics as per the schedule and the same should be incorporated in R&D Calender of Events for Even Semester AY 2024-25, the details are mentioned below

1. Faculty Development Programme on "Research Potential in Advanced Power Electronics & Renewable Energy" from 13.01.2025 to 24.01.2025
2. Seminar on "Research Schemes in India and Trust area" Funding for all Science and Engineering Departments on 12.02.2025
3. Workshop on Mastering Professional Writing of Research Papers with LaTeX on 08.03.2025
4. Faculty Development Programme on Advancements in VLSI /Semiconductor industry and Introduction to Design for Test Methodologies on 22.03.2025
5. Workshop on "Research Ethics" on 16.04.2025

Dean R&D thank all the faculty members and students for their excellent support interms of research publications and she mentioned about the importance of quality research in academics and publications.

Principal explained about the comprehensive contribution in providing the necessary information related to publications for the NIRF (National Institutional Ranking Framework) process as per Research Ethics Policy.

The committee suggested that, Research Publications should be showcase in the notice boards regularly. There will be separate notice board of R&D should be available in all the departments. These notice board ideas help keep the students and faculty members for motivation and engaged with ongoing projects, updates, and publication about the department R&D work. In essence, the R&D notice board acts as a dynamic, interactive tool to keep the department engaged, informed, and aligned with common goals. It supports communication flow, enhances transparency, fosters a positive work environment, and encourages a sense of community among team members.

IREC suggested that NHCE faculty members should avoid publishing the research paper in Journal special issues as per Research Ethics. Faculty Research Portals Updation review is scheduled as per the R&D Calender of Events and also IREC confirmed about mandatory that faculty members must have Scopus ID, VIDWAN ID, Google Scholar ID, ORCID, Web of Science ID but frequent updates needed in all the research portals.

The meeting ended with vote of thanks by Dr. Revathi V, Dean R&D

Revathi V
Dean

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Manjunatha
Principal

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NEW HORIZON COLLEGE OF ENGINEERING

Department of Research and Development

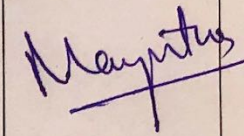
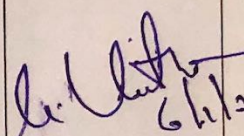
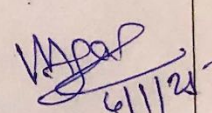
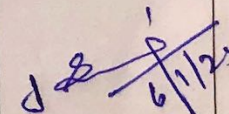
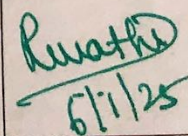
Institution Research Ethics Committee (IREC)

Date of Meeting: 06.01.2025

Time: 11:30 am - 01:00 pm

Venue: Principal Conference Room

Members Present

S.No	Name of the Member	Designation	Role	Signature
1.	Dr. Manjunatha	Principal	Chairman	
2.	Dr. Vinoth Kumar K	Professor & Associate Head - R&D	Member	 6/1/25
3.	Dr. Agalya V	Professor & Associate Head - R&D	Member	 6/1/25
4.	Dr. Sujin Jose A	Associate Professor	Member	 6/1/25
5.	Dr. Revathi V	Dean - R&D	Secretary	 6/1/25





NEW HORIZON COLLEGE OF ENGINEERING

Department of Research and Development

Institution Research Ethics Committee (IREC)

Minutes of Meeting

Date of Meeting: 21.08.2024

Time: 10:30 am - 01:00 pm

A meeting of the Institution Research Ethics Committee (IREC) was held at 10:30 am on 21 August 2024 at the Principal Conference Room to discuss various issues pertaining to Ethical Code of Conduct in research.

Agenda

1. Measures to create awareness of research ethics
2. Research ethics course for students
3. Research Review and assessment for faculty members
4. Clearance for Funding Research Proposals from IREC
5. Awareness programmes for research ethics

Members Present:

S.No	Name of the Member	Designation	Role
1.	Dr. Manjunatha	Principal	Chairman
2.	Dr. Vinoth Kumar K	Professor & Associate Head - R&D	Member
3.	Dr. Agalya V	Professor & Associate Head - R&D	Member
4.	Dr. Sujin Jose A	Associate Professor	Member
5.	Dr. Revathi V	Dean - R&D	Secretary

Discussion

Dr. Revathi V, Dean - R&D thanked all the members for the continuous support towards R&D activities.

The Dean of Research and Development read out the minutes of the previous meeting and secured the approval of the house for the same after discussion.

While introducing the issues to be discussed in the meeting, the Dean of research and development opined that there is a growing need for creating awareness among the students and research scholars on the ethical practices, particularly in the post-covid scenario.

The Principal, Dr. Manjunatha concurred with the views of the Dean of Research and Development and observed that the discussions on ethical practices in research can also be extended to addressing similar issues in the undergraduate and postgraduate programmes as per norms of VTU.

Principal suggested to conduct the Monthly R&D audit (Review) and assessment to all the faculty members as per Institution guidelines and to fulfil Research ethics.

Dean of Research and Development observed that steps are to taken to create awareness on research ethics among students. He opined that a meeting of the research supervisors can be convened to discuss the matter, and they may be entrusted with the responsibility of sensitising students on the ethical concerns.

The meeting resolved to follow the syllabus prescribed by the VTU for the Research Ethics Course prescribed for UG Students.

It was decided by all the faculty members that, hereafter, all the research proposals to various funding agency should be submitted to IREC for clearance after seeking approval from Institutional Research Committee. The IREC approved the research proposals submitted by the faculty members of NHCE as per Table 1.

Table 1. Research Funding Proposal Details

Agency Name	Scheme	Title of the Project	Coordinator	Co-Coordinator	Department	Amount Applied
AICTE	Grant for Organizing Conference(GOC) 2024 Scheme - AQIS	International Conference on Research Perceptives: IoT in Hybrid Grid Integrated Renewable Energy Sources	Dr. Sujitha S	Dr. Vinoth Kumar K	EEE	₹ 3,00,000.00
AICTE	Grant for Organizing Conference(GOC) 2024 Scheme - AQIS	International Conference on Computing System Using Smart & Secure Technologies and Tools (ICCST-25)	Dr. Kavitha T	Dr. Rathish C R	CSE 2	₹ 3,00,000.00
NVIDIA Corporation	Academic Grant Program	Design and Development of monitoring apiculture system in modern consumerism scenario by using artificial intelligence and machine learning techniques through IoT	Dr. Sonia Maria D'Souya	Dr. Uma Reddy N V Dr. Meenakshi Sundaram	AIML	₹ 10,00,000.00

DST	NITHI	Design and Development of monitoring apiculture system in modern consumerism scenario by using artificial intelligence and machine learning techniques through IoT	Dr. Sonia Maria D'Souya	-	AIML	₹ 9,00,000.00
NVIDIA Corporation	Academic Grant Program	Intelligent Traffic Management System Using NVIDIA DeepStream SDK and A100 GPUs for Real-Time Video Analytics	Dr. B Meenakshi Sundaram	Dr. N V Uma Reddy Dr. Uma Maheshwaran	AIML	₹ 9,00,000.00
VGST	VGST-FDP	The Insight of Cyber Security & Forensic Technology	Dr. Rajlakshmi Ghatkamble	Dr. Sivaramakrishnan S.	ISE	₹ 70,000.00
VGST	VGST-FDP	Emerging Trends for IoT Data Management in Cloud & Fog Computing	Dr. Kalaivani	Mrs. Divya K. V	ISE	₹ 2,01,000.00
VGST	VGST-FDP	Human Centered AI in Making Cognitive, Sensitive Decision & Outcomes	Mrs. A Shalini	Mrs. T. N. Chitti	ISE	₹ 1,10,000.00
VGST	VGST-FDP	Exploratory Data Analysis using R Programming	Dr. Saravanan K.	Mrs. Bibiana Jenifer	ISE	₹ 1,80,000.00
VGST	VGST-FDP	The Role of AI & ML in the field of Computer Vision & Medical Signal Processing	Dr. Arvind Shivappa Kapse	Dr. Vandana C. P	ISE	₹ 1,80,000.00
VGST	VGST-GRE	AI Powered Clinical Data Analysis for Heart Failure Risk Detection in COVID-19 Patients	Dr. Basawaraju Swathi	Dr. Vandana C. P	ISE	₹ 19,00,000.00
VGST	VGST-GRE	Automatic Feeder & Health Monitor for Sustainable Freshwater Aquafarm-Based Fish Farming	Dr. Sivaramakrishnan S	Dr. Arvind Shivappa Kapse	ISE	₹ 13,00,000.00
VGST	VGST-FDP	Advanced Mathematical Modelling for Disaster Response and Resilience. Strategies and Applications	Dr. D D Padma Priya	Dr. B Meenakshi Sundaram	Maths & CSE	₹ 2,00,000.00
VGST	Early Career Research Award	Engineering the bandgap of metal boride based heterostructures for photocatalytic and photoelectrocatalytic hydrogen evolution for sustainability	Dr. M S RAGHU	Dr. Poornima G S	Chemistry	₹ 10,00,000.00
VGST	VGST - FDP	Transforming Agriculture through geo spatial technology : Innovative & applications	Dr. Rose Kavitha	Prof. shivashish Gour	MBA	₹ 3,75,000.00
VGST	VGST - FDP	Driving educational innovation : The role of AI in learning & resaerch	Dr. Priyameet Kaur Keer	Dr. Rose Kavitha	MBA	₹ 3,75,000.00
VGST	VGST - FDP	The impact of economic policies on political stability : A comprehensive analysis of emerging economies .	Prof. Madhuraraj	Dr. Rose Kavitha	MBA	₹ 3,75,000.00
VGST	VGST - FDP	Challenges in Smart Technologies, opportunities and sustainable biological waste management system for agricultural growth in India	Dr Agalya	Dr R Suganya	R & D , CSE-DS	₹ 3,00,000.00
VGST	VGST	Weed Camera: AI assisted Robotic Arm for Lantana Plant removal in Karnataka region	Dr R Suganya	Dr Agalya	R & D , CSE-DS	₹ 40,00,000.00
VGST	VGST	Wild Animals Intrusion Detection System using AI Technique	Dr J Joshua Daniel Raj	Ms. Soumya K V	CSE - DS & EEE	₹ 40,00,000.00

VGST	KFIST - L2	Development of Electroactive materials for Energy Storage Devices	Dr Jisha	-	Physics	₹ 30,00,000.00
VGST	VGST-GRE	Fabrication of Electrochemical Nanosensor using Bismuth Cobalt Nanoferrite Drop Casted Screen Printed Electrode for Environmental Monitoring and Biomedical Applications	Dr. Rama Chandra Naik	Dr. Revathi V	Physics	₹ 30,00,000.00
VGST	VGST-GRE	Development of Indigenous Electric Dyno Rig and Motor controller modules for testing and validation	Dr. Sakthivel A	Dr Mohan Das	EEE	₹ 40,00,000.00
VGST	Award for Outstanding Publication	Award for Outstanding Publication	Dr. Vinoth Kumar K	-	EEE	₹ 25,000.00
VGST	Early Career Research Award	Artificial Intelligence and IoT based solar powered autonomous Agribot Arm vehicle in intelligent farming	Dr. Sujitha S	Ms. Sangeetha S	EEE	₹ 5,00,000.00
VGST	VGST - FDP	Advanced Power converters for future electric system	Dr. Sakthivel A	Mr. Vinod Kumar S	EEE	₹ 3,00,000.00
VGST	VGST - FDP	Empowering Tomorrow: Exploring smart electrification strategies for decarbonization and renewable energy integration	Dr. Gunapriya	Dr Karthika M	EEE	₹ 2,00,000.00
VGST	VGST - FDP	Research Potential in Advanced Power Electronics Converter in Renewable Energy Applications	Dr. Vinoth Kumar K	Dr. Mausri Bhuyan	EEE	₹ 2,70,000.00
VGST	VGST-GRE	Centre for system to chip Emulation and Prototyping	Dr. Gurulakshmi B	Dr. Sanjeev Sharma	ECE	₹ 30,00,000.00
VGST	FDP	Generative AI and Prompt Engineering	Dr. Sonia Maria D'Souza	Mr. Ramesh Prasad R	AIML	₹ 3,00,000.00
VGST	FDP	Advancement of Artificial Intelligence and Deep Learning in Healthcare Management	Dr. Sowmya H K	Mrs. Rajasree R S	AIML	₹ 3,00,000.00
VGST	VGST- ECRA	Smart Handheld Diagnostic Kit for Early Detection of Human Body Abnormalities using AI and Imaging Technologies	Dr. Santosh Krishna B V	-	CSE 1	₹ 5,00,000.00
VGST	VGST - FDP	Advancing Climate Change Strategies: Integrating Recent Technological Trends for Biodiversity Conservation and Societal Health	Dr Ashok K	-	CSE 1	₹ 3,00,000.00
VGST	VGST	Weed Camera: AI assisted Robotic Arm for Lantana Plant removal in Karnataka region	Dr R Suganya	Dr Agalya	R & D , CSE-DS	₹ 40,00,000.00
AICTE	IDEA LAB	Establishing IDEA LAB	Dr. Revathi V	Dr. Sujin Jose A	R & D	₹ 1,10,00,000.00
AICTE	ATAL Online 6 Day Faculty Development Programmes 2024-25	Blockchain-Enabled Vehicle-to-Vehicle Energy Trading in the Internet of Electric Vehicles in Smart Cities	Dr. Vinoth Kumar K	Mr. Vinod Kumar S	EEE	₹ 1,00,000.00
AICTE	ATAL Online 6 Day Faculty Development Programmes 2024-25	Renewable-Powered Smart Cities: Enhancing E-Mobility and Urban Sustainability	Dr. Gunapriya B	Mr. Satish Kumar D	EEE	₹ 1,00,000.00

AICTE	ATAL Online 6 Day Faculty Development Programmes 2024-25	Role of Digital Twins in Driving Sustainability	Dr. Mohan Das R	Ms. Soumya K V	EEE	₹ 1,00,000.00
AICTE	ATAL Online 6 Day Faculty Development Programmes 2024-25	Nanovation for sparking technology advancements in VLSI design	Dr. M Jayanthi	Dr. P. Sudhakiran	ECE	₹ 1,00,000.00
AICTE	ATAL Online 6 Day Faculty Development Programmes 2024-25	Enhancing Sustainability and Manufacturing Efficiency	Dr. K Gopal	Dr. Hemath Raju T	ME	₹ 1,00,000.00
AICTE	ATAL Online 6 Day Faculty Development Programmes 2024-25	Empowering Educators in Health Care and Medical Technologies	Dr. Srinath M K	Dr. Sudarshan T A	ME	₹ 1,00,000.00
AICTE	ATAL Online 6 Day Faculty Development Programmes 2024-25	Unlocking the Future for Sustainability: Cybersecurity Integrated with Generative AI	Dr. Kavitha T	Dr. C R Rathish	CSE 2	₹ 1,00,000.00
AICTE	ATAL Online 6 Day Faculty Development Programmes 2024-25	Deep learning in health care: Revolutionizing Diagnosis and treatment through AI	Mr. Mahendra Shridhar Naik	Ms. K S Shashikala	ECE & AIML	₹ 1,00,000.00
AICTE	ATAL Online 6 Day Faculty Development Programmes 2024-25	Semiconductor: The Science of Chip Making	Dr. Sanjeev Sharma	Dr. A.B. Gurulakshmi	ECE	₹ 1,00,000.00
AICTE	ATAL Online 6 Day Faculty Development Programmes 2024-25	Artificial Intelligence for Healthcare Engineering (Applications, Opportunities and Challenges)	Dr. Santhosh Krishna B V	Dr. D. Rojaramani	CSE 1	₹ 1,00,000.00
AICTE	ATAL Online 6 Day Faculty Development Programmes 2024-25	Sustainable Irrigation Practices in Agriculture Enabled by 5G-Powered Sensors and Monitoring	Dr G Rajesh	Dr. A.B. Gurulakshmi	ECE	₹ 1,00,000.00
AICTE	ATAL Online 6 Day Faculty Development Programmes 2024-25	Driving Educational Innovation : The Role of Generative AI in learning	Dr. Priyameet Kaur Keer	Dr. Rose Kavitha	ECE	₹ 1,00,000.00
AICTE	ATAL Online 6 Day Faculty Development Programmes 2024-25	Electric, Hybrid and Autonomous vehicles: Design, integration, Challenges and research opportunities	Dr. Sujin Jose A	Ms. Smitha B S	AU	₹ 1,00,000.00
AICTE	ATAL Online 6 Day Faculty Development Programmes 2024-25	Interactive Augmented Reality (AR) and Virtual Reality (VR) with Real Time Applications	Dr. R Suganya	Dr. Baswaraju Swathi	CSE (DS)	₹ 1,00,000.00
AICTE	ATAL Online 6 Day Faculty Development Programmes 2024-25	Inter Disciplinary Insights into the Future of Quantum Computing	Dr. N Mithili Devi	Dr. M T Vasumathi	MCA	₹ 1,00,000.00
AICTE	ATAL Online 6 Day Faculty Development Programmes 2024-25	Quantum Computing: Foundations and Future Directions	Dr. M T Vasumathi	Dr. N Mithili Devi	MCA	₹ 1,00,000.00

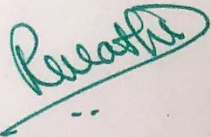
AICTE	ATAL Online 6 Day Faculty Development Programmes 2024-25	Next-Gen VLSI Fabrication in India: Technological challenges, and AI Integration	Dr. Monika Gupta	Dr. Ishani Mishra	ECE	₹ 1,00,000.00
AICTE	ATAL Online 6 Day Faculty Development Programmes 2024-25	AI and Robotics: Transforming Modern Manufacturing Processes in Industry	Dr. Ishani Mishra	Dr. Monika Gupta	ECE	₹ 1,00,000.00
AICTE	ATAL Online 6 Day Faculty Development Programmes 2024-25	Smart Solutions: Leveraging Data Science for a Sustainable Future	Dr. Joshua Daniel Raj	Mr. Chandan Raj B R	CSE (DS)	₹ 1,00,000.00
AICTE	ATAL Online 6 Day Faculty Development Programmes 2024-25	Smart Cities and Urban Development: Leveraging AI and Emerging Technologies	Dr. B Nithya Ramesh	Dr. N S Sukan ya	MCA	₹ 1,00,000.00
AICTE	ATAL Online 6 Day Faculty Development Programmes 2024-25	The role of AI and Machine Learning in the field of Computer Vision and Medical Signal Processing	Dr. Arvind Shivappa Kapse	Dr. Vandana C P	ISE	₹ 1,00,000.00
AICTE	ATAL Online 6 Day Faculty Development Programmes 2024-25	Futuristic Power Conversion Technologies for Electric Vehicle, Renewable Energy and Storage Systems	Dr. Sakthivel Aruchamy	Dr. Sujitha S	EEE	₹ 1,00,000.00
AICTE	ATAL Online 6 Day Faculty Development Programmes 2024-25	Recent Trends in Thermal Spray Coating and Future Directions	Dr. Nagabhushana N	Dr. Veeresha G	ME	₹ 1,00,000.00
AICTE	ATAL Online 6 Day Faculty Development Programmes 2024-25	Data Analytics for Inclusive and Equitable quality education for Smart Cities	Dr. Kalaivani D	Dr. R J Anandhi	ISE	₹ 1,00,000.00

It is decided to conduct the various awareness programmes for the students and faculty members about Research Ethics as per the schedule and the same should be incorporated in R&D Calender of Events for Odd Semester AY 2024-25

1. Expert Talk on "Awareness on Unlocking Financial Opportunities: Capacity Building for MSME Funding" on 28.08.2024
2. Faculty Development Program on "Integrating IPR into Business Strategy: A Management Approach" on 31.08.2024
3. Faculty Development Program on "MAXIMISING INNOVATION: IPR Strategies for Science Research" on 02.09.2024
4. Webinar on "IEEE Authorship and Open Access Symposium" on 04.09.2024
5. Workshop on "IPR in Electrical Engineering" on 06.09.2024
6. Expert Talk on "Interdisciplinary Research- An approach to address social challenges" on 11.09.2024
7. Workshop on "Unlock IP Potential in Artificial Intelligence" on 13.09.2024

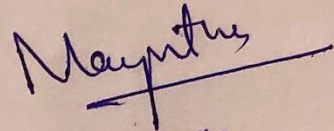
8. Workshop on "Unlock Your Innovation Essential Techniques of Patent Drafting" on 13.09.2024
9. Expert Talk on "Research in IoT and Smart Buildings" on 18.09.2024
10. Expert Talk on "Research in Industrial Application" on 28.09.2024
11. Workshop on "Research Output Optimization" on 24.10.2024
12. Workshop on "Research Output Optimization" on 11.11.2024
13. Expert talk on Innovations in Research Publications on 04.12.2024

The meeting ended with vote of thanks by Dr. Revathi V, Dean R&D



Dean

Department of Research and Development
NEW HORIZON COLLEGE OF ENGINEERING
New Horizon Knowledge Park, Bellandur Main Road,
Near Marathalli, Bengaluru - 560 103



A. Manjunatha
Principal

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Department of Research and Development

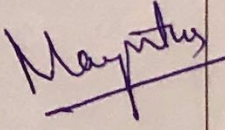
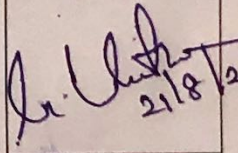
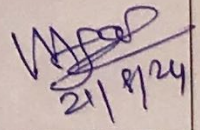
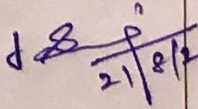
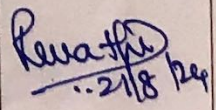
Institution Research Ethics Committee (IREC)

Date of Meeting: 21.08.2024

Time: 10:30 am - 01:00 pm

Venue: Principal Conference Room

Members Present

S.No	Name of the Member	Designation	Role	Signature
1.	Dr. Manjunatha	Principal	Chairman	
2.	Dr. Vinoth Kumar K	Professor & Associate Head - R&D	Member	 21/8/24
3.	Dr. Agalya V	Professor & Associate Head - R&D	Member	 21/8/24
4.	Dr. Sujin Jose A	Associate Professor	Member	 21/8/24
5.	Dr. Revathi V	Dean - R&D	Secretary	 21/8/24

