NEW HORIZON
COLLEGE OF ENGINEERING

Department of Research and Development

Institution Research Ethics Committee (IREC)
Minutes of Meeting

Date of Meeting: 13.03.2025   Time: 03:30 pm - 04:45 pm

"A meeting of the Institution Research Ethics Committee (IREC) was held at 03:30 pm on 13th March 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. Research Review and assessment for faculty members
3. Clearance for New Funding Research Proposals from IREC
4. Status of 48th Series of KSCST SPP Funded Project for the AY 2024-25
5. Recommendations of ATAL FDP Proposals Submission for the AY 2025-26
6. Awareness programmes on 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

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 thank R&D department for successful conduction of Quarterly Q2 Monthly R&D audit (Review) and assessment to all the faculty members as per Institution guidelines and to fulfil Research ethics from 17.02.2025 to 21.02.2025. The details of assessment are mentioned in Table 1.

Table 1. Summary of February 2025 (Quarterly 2) Monthly R&D audit (Review) and assessment

Department	No. of Faculties	Target As per SAP	Published	Papers Accepted	Achieved in %	No. of Faculties Completed Mandatory Publications
AIML	20	61	42	43	69	7
AS	27	108	45	27	42	4
CSE1	23	90	39	32	43	2
CSE2	16	69	15	24	22	2
CSE (DS)	15	54	6	12	11	1
ECE	29	111	90	45	81	10
EEE	19	75	27	30	36	2
ISE	21	75	12	52	16	0
ME	18	60	59	34	98	7
MBA	13	49	13	15	27	1
MCA	15	56	9	32	16	1
Total	216	808	357	346		37

Dean of Research and Development highlighted the infrastructure of AICTE IDEA Lab as well as equipment details and AICTE IDEA Lab is inaugurated on 08.03.2025. Dean R&D mentioned about the benefits of fosters entrepreneurship & startups, supports patents & prototype development, Bridges academia & industry gap, Encourages hands-on skill development

Principal highlighted the impact of AICTE IDEA Lab interms of Innovation centers, research publications, hackathons, and skill-based learning for future-ready engineers.

The IREC approved the research proposals submitted by the faculty members of NHCE as per Table 2.

Table 2. Research Funding Proposal Details

Agency Name	Scheme	Title of the Project	Coordinator	Co-Cordinator	Department
DST	ANRF	AI & ML-Driven Power Electronics: Smart Embedded Systems and Next-Gen Batteries for the future of E-Mobility and Defense Technologies	Dr. Gunapriya B	Mr. Satish Kumar D	EEE

Dean R&D informed about the 64 projects are approved in KSCST - 48th series of Student Project Programme (SPP) for the AY 2024-25. The summary of project details is mentioned in Table 3.

Table 3. KSCST Proposal Details

Department	No. of Projects Submitted	No. of Projects Sanctioned	Amount Sanctioned in Rs.
AIML	35	10	33500
CSE 2	27	6	15000
CSE 1	62	14	34000
ECE	15	9	38000
EEE	18	4	18000
MCA	26	7	27500
ISE	15	6	25500
ME	15	-	-
MBA	11	6	27000
M.Tech CSE	2	1	2000
Interdisciplinary	65	1 (ECE & ISE)	5000
Total	**291**	**64**	**2,25,500**

The 48th Series of KSCST SPP Approved 64 Projects are mentioned in Table. 4

Table 4. 48th Series of KSCST SPP Approved Project Details

S.No	Name of the Faculty (Principal Investigator)	Department of Principal Investigator / Co Investigator	Title of the Project	Sanctioned Order No.	Amount Received (in Rupees)
1.	Mrs. RAJASREE R S Ms. KAVITHA U	Artificial Intelligence and Machine Learning	AI DRIVEN VIRTUAL LAB GENERATOR FOR SCIENCE LABS USING NLP	48S_BE_0189	3,000.00
2.	Dr. JIMSHA K MATHEW Mrs. BINDU S	Artificial Intelligence and Machine Learning	REVOLUTIONIZING CROP HEALTH: REALTIME PLANT DISEASE DIAGNOSIS THROUGH DEEP LEARNING	48S_BE_0206	3,000.00

3.	Mr. SYAM DEV R S Prof. SANDYARANI VADLAMUDI	Artificial Intelligence and Machine Learning	AN INTEGRATED WEB APP TO SIMULATE A ML/DL-BASED DECISION SUPPORT SYSTEM FOR PRECISION FARMING AND AGRICULTURE	48S_BE_0615	3,000.00
4.	Prof. SHRAVYA SHETTY Prof. THANU DEEPU GEORGE	Artificial Intelligence and Machine Learning	E-CONSULT PLUS ENHANCING HEALTHCARE ACCESSIBILITY AND EFFICIENCY TROUGH TELEMEDICINE	48S_BE_0676	3,000.00
5.	Dr. B. MEENAKSHI SUNDARAM	Artificial Intelligence and Machine Learning	BHASHABRIDGE : SEAMLESS MULTILINGUAL TRANSLATION FOR INDIAN DIALECTS	48S_BE_0858	3,500.00
6.	Prof. RAMESH PRASAD R Prof. K S SHASHIKALA	Artificial Intelligence and Machine Learning	DRIVER FATIGUE DETECTION USING DEEP LEARNING	48S_BE_1023	3,500.00
7.	Prof. AKSHATHA P S Prof. S BINDU	Artificial Intelligence and Machine Learning	ELEVATING LIVER HEALTH CUTTING-EDGE PROGNOSTIC ARCHITECTURES	48S_BE_1191	3,500.00
8.	Prof. SUPRIYA B RAO Prof. SHRAVYA SHETTY	Artificial Intelligence and Machine Learning	ADVANCING UNDERWATER MONITORING AND SECURITY WITH GANS, AI AND ML	48S_BE_1604	3,500.00
9.	Mrs. RAJASHREE Dr. JIMSHA K MATHEW	Artificial Intelligence and Machine Learning	ENHANCED INTELLIGENT TOLL COLLECTION SYSTEM USING ADVANCED ANPR AND RFID TECHNOLOGY	48S_BE_2651	3,000.00
10.	Prof. THANU DEEPU GEORGE Prof. BHAWANA KHOKHAR	Artificial Intelligence and Machine Learning	DIABETIC RETINOPATHY USING DEEP LEARNING - INTEGRATION OF CNN AND SVM MODELS	48S_BE_3125	4,000.00
11.	Dr. B NITHYA RAMESH Dr. ASHA V	MCA	OPTIMAL CROP SELECTION THROUGH IOT AND MACHINE LEARNING INSIGHTS FROM SOIL AND GROUNDWATER DATA	48S_MCA_0004	4,000.00
12.	Dr. N MITHILI DEVI Dr. V. ASHA	MCA	EMPOWERING RURAL DAIRY FARMING: MOBILE APP FOR CATTLE HERDERS	48S_MCA_0008	4,000.00
13.	Mrs. DIKSHA DHIMAN Dr. V ASHA	MCA	DIGITAL ARKETPLACE FOR LOCAL HOMEMADE PRODUCTS WITH AI-DRIVEN MARKETING	48S_MCA_0012	3,500.00
14.	Prof. S. P. SREEJA Dr. V ASHA	MCA	AGRI PACT CONTRACT-BASED FARMING SUPPORT FOR EMPOWERING FARMERS WITH TOOLS AND LOANS	48S_MCA_0016	3,500.00
15.	Prof. PRIYA THOMAS Dr. V ASHA	MCA	FARM SECURITY AND ANIMAL ENTRY DETECTION IN RURAL AREAS USING IOT AND ML- POWERED ANGULAR OBSTACLE DETECTION	48S_MCA_0024	4,000.00

No.	Name	Department	Project Title	ID	Amount
16.	Prof. GOVINDARAJ M Dr. V ASHA	MCA	FARM-TO-MARKET DIGITAL BRIDGE	48S_MCA_0053	4,000.00
17.	Prof. GOVINDARAJ M Dr. V ASHA	MCA	UNLOCKING LIVELYHOOD POTENTIAL FOR RURAL WOMEN THROUGH VOCATIONAL SKILLS	48S_MCA_0055	4,500.00
18.	Dr. BHIMARAYA PATIL	Computer Engineering	INDI-TRANSLATE: INNOVATIVE TRANSLATION PLATFORM FOR MULTILINGUAL INDIA	48S_BE_4733	4,500.00
19.	Dr. BHIMARAYA PATIL	Computer Engineering	IMPROVING DOCTOR-PATIENT COMMUNICATION AND APPOINTMENT SCHEDULING IN HEALTHCARE THROUGH AI BASED SOLUTIONS	48S_BE_5167	1,000.00
20.	Ms. ROJA R Dr. MOHAN DAS R	Computer Engineering	AI BASED GAMING ENGINE USING META CHARACTERS	48S_BE_6327	1,500.00
21.	Ms. THANGA SUBHA DEVI M	Computer Science and Engineering	IMPLEMENTATION OF IOT-BASED SMART IRRIGATION SYSTEM FOR CLIMATE RESILIENT FARMING	48S_BE_0203	3,000.00
22.	Ms. LAVANYA C Dr. R.J.ANANDH	Computer Science and Engineering	EDUQUIZ: INTELLIGENT AUTOMATION FOR QUIZ CREATION	48S_BE_0297	2,000.00
23.	Dr. NIRMALA M	Computer Science and Engineering	WEARABLE DEVICE - STRESS AND HEALTH MONITORING	48S_BE_0823	3,000.00
24.	Dr. D. ROJA RAMANI	Computer Science and Engineering	A FUSION OF CNN AND CUCKOO SEARCH OPTIMIZATION FOR ENHANCED ALZHEIMERS DISEASES PREDICTION	48S_MTECH_0004	2,000.00
25.	Ms. SENTHIL ANANDHI	Computer Science and Engineering	EDUCATION LOVE	48S_BE_1085	2,500.00
26.	Ms. CHEMPAVATHY .B Ms. BIBANA JENNIFER	Computer Science and Engineering	REBUILDING LIFE - THE PROMISE OF REGENRATIVE THERAPIES SYSTEM IN HEALTHCARE	48S_BE_1641	2,500.00
27.	Mrs. YOGITA	Computer Science and Engineering	AR- BASED REAL TIME LANGUAGE TRANSLATION	48S_BE_2016	2,500.00
28.	Ms. PARISMITA GOSWAMI	Computer Science and Engineering	INTELLIGENT INTRAVENOUS DRIP MONITORING SYSTEM:ENHANCING ACCURACY AND REAL-TIME FEEDBACK IN HEALTHCARE	48S_BE_2041	3,500.00

29.	Mr. GELUVARAJ B Dr. UMAMAHESHWARAN	Computer Science and Engineering	BLOCKCHAIN-BASED VOTING SYSTEM	48S_BE_2138	1,500.00
30.	Dr. M DHANALAKSHMI Dr. ARAVINDA K	Computer Science and Engineering	UBER AMBULANCE NEXT GENERATION SMART EMERGENCY RESPONSE PLATFORM	48S_BE_2273	2,500.00
31.	Ms. CHITRA C Ms. KAVITHA CH	Computer Science and Engineering	HEALER'S BLEND : INTEGRATING TECHNOLOGY WITH ALLOPATHY, AYURVEDA AND HOMEOPATHY FOR A UNIFIED MEDICAL APPROACH	48S_BE_2522	2,500.00
32.	Mr. BHASKAR S V	Computer Science and Engineering	SKILLQUEST:GAMIFIED LEARNING WITH TIME CHALLENGES AND STRATEGIC HINTS	48S_BE_2654	2,000.00
33.	Ms. CHEMPAVATHY B Mrs. ARCHANA DAS	Computer Science and Engineering	TEACH CONNECT	48S_BE_3149	2,000.00
34.	Mrs. CHEMPAVATHY B	Computer Science and Engineering	BHAASHA VAHINI: A BRIDGE FROM SIGN LANGUAGE TO REGIONAL LANGUAGES	48S_BE_3486	3,000.00
35.	Ms. VERNIKA SINGH Dr. SONIA MARIA D'SOUZA	Computer Science and Engineering	PUBLIC TRANSPORT MONITORING SYSTEM	48S_BE_3656	3,500.00
36.	Dr. D. ROJA RAMANI Dr. RAJLAKSHMI GHATKAMBLE	Computer Science and Engineering	SHAHARE SHAYAK: REVOLUTIONIZING URBAN SERVICE PROVIDER HIRING WITH A CROSS-PLATFORM SOLUTION	48S_BE_3728	2,000.00
37.	Ms. NAYANA N KUMAR	Computer Science and Engineering	EXAMGUARD: AI-POWERED DIGITAL IDENTITY AUTHENTICATION FOR REMOTE EXAMINATION	48S_BE_4148	2,000.00
38.	Mrs. VERNIKA SINGH	Computer Science and Engineering	OPTIMIZING BLOOD DONATION NETWORKS WITH LIFE-FLOW	48S_BE_4149	2,000.00
39.	Dr. S.SUJITHA	Electrical and Electronics Engineering	THERAPEUTIC TREADMILL AND FOOT PEDAL FOR PHYSICALLY CHALLENGED CHILDREN	48S_BE_0742	4,500.00
40.	Dr. S.SUJITHA	Electrical and Electronics Engineering	RESCUE ROVER: ALL-TERRAIN EMERGENCY RESPONSE AND EXPLORATION VEHICLE	48S_BE_0920	4,500.00
41.	Dr. S.SUJITHA	Electrical and Electronics Engineering	DISTRIBUTOR CONTROL ALGORITHM FOR SWARM ROBOTICS IN DYNAMIC ENVIRONMENT	48S_BE_0982	4,500.00

42.	Dr. B. GUNAPRIYA	Electrical and Electronics Engineering	CIRCULAR MOBILITY: SELF-REGENERATING TIRES FOR SUSTAINABLE ELECTRIC TRANSPORTATION	48S_BE_1603	4,500.00
43.	Ms. HAMSALEKHA R Ms. RAMYASHREE P M	Electronics and Communication Engineering	SMART EARTHQUAKE DETECTION WITH ESP32 AND MPU6050: REAL -TIME MONITORING AND EMAIL ALERTS	48S_BE_0633	4,000.00
44.	Ms. HAMSALEKHA R Dr. D ROJA RAMANI	Electronics and Communication Engineering	RAPID SENSING MECHANISM TO DETECT CHEMICALS TO PREVENT DRUGGING CRIME	48S_BE_1623	4,500.00
45.	Mr. MAHENDRA S NAIK	Electronics and Communication Engineering	PROACTIVE VEHICLE SAFTEY AND CONTROL SYSTEM	48S_BE_2056	4,500.00
46.	Dr. GURULAKSHMI A B Dr. RAJESH G	Electronics and Communication Engineering	AUTOMATIC UPPER DIPPER HEADLIGHT FOR VEHICLE IN RURAL AREA	48S_BE_3214	4,000.00
47.	Ms. SHIKHA RAI A	Electronics and Communication Engineering	AUTONOMOUS AI TRACTORS: OPTIMIZING HARVEST PROCESSES FOR SUSTAINABLE AGRICULTURE	48S_BE_3543	4,500.00
48.	Ms. BHAWNA KHOKHER Dr. MAUSRI BHUYAN	Electronics and Communication Engineering	DEMONSTRATING HYDROGEN FUEL CELL TECHNOLOGY FOR EDUCATIONAL PURPOSES	48S_BE_3770	4,500.00
49.	Ms. RAMANAMMA PAREPALLI Ms. THANU KURIAN	Electronics and Communication Engineering	LINGOCONNECT: REAL TIME SPEECH TRANSLATION	48S_BE_4455	4,500.00
50.	Mr. SHASIKIRAN S	Electronics and Communication Engineering	ANATOMY 3D-GUIDED RECOGNITION OF SKULL TYPES	48S_BE_5597	3,000.00
51.	Mr. VINAY R	Electronics and Communication Engineering	DESIGN OF WASTE SEGREGATION DETECTOR USING ARDUINO	48S_BE_5667	4,500.00
52.	Prof. MADHURAJ CA	Master of Business Administration	LOW-COST GRAVITY-BASED DRIP IRRIGATION SYSTEM AND EFFICIENT WATER USE TECHNIQUE	48S_MBA_0054	4,500.00
53.	Ms. BIBIANA JENIFER J Ms. SHRUTHI G R	Information Science and Engineering	FOGGUARD - SAFE NAVIGATION FOR LOW VISION	48S_BE_1686	4,000.00
54.	Mrs. SHALINI A Mrs. SHRUTHI G R	Information Science and Engineering	WEAPON DETECTION USING DEEP LEARNING	48S_BE_1802	4,000.00
55.	Mrs. PARVATHY S Dr. A. B. GURULAKSHMI	Information Science and Engineering	SMARTNAV: INTELLIGENT NAVIGATION AID FOR THE VISUALLY IMPAIRED	48S_BE_3202	4,500.00

56.	Prof. SHRUTHI G R Prof. A S ANITHA NAIR	Information Science and Engineering	ECO-POWER MONITOR	48S_BE_3624	4,000.00
57.	Dr. ARVIND SHIVAPPA KAPSE	Information Science and Engineering	VITALCARE: IMPLEMENTATION OF PERSONALIZED HEALTH MONITORING SYSTEM	48S_BE_4094	4,500.00
58.	Mrs. SHUBHI SRIVASTAVA	Information Science and Engineering	HOSA YUGADA RAITA - NEW AGE FARMER - SMART AND SUSTAINABLE FARMING	48S_BE_4608	4,500.00
59.	Dr. SANJEEV SHARMA Mrs. KARTHIYAYINI	INTERDISCIPLINARY (ECE & ISE)	VISION ASSIST	48S_BE_1611	5,000.00
60.	Mrs. ANKITA NATHUJI JEEWANKAR Mr. SHIVASHISH GOUR	Master of Business Administration	DEVELOPMENT OF A LOW-COST SENSOR AND DEEP LEARNING BASED SYSTEM FOR PRECISION PESTICIDE SPRAYING WITH CONTROLLED AND UNIFORM DISTRIBUTION	48S_MBA_0030	4,500.00
61.	Dr. PRIYAMEET KAUR KEER Dr. ROSE KAVITHA	Master of Business Administration	FABRICATION OF COMMERCIAL-PURPOSE AUTOMATED DOSA-MAKING EQUIPMENT USING AI	48S_MBA_0032	4,500.00
62.	Mr. SHIVASHISH GOUR	Master of Business Administration	SHGCONNECT: A MOBILE APP TO EMPOWER SELF-HELP GROUPS FOR LIVELIHOOD ENHANCEMENT	48S_MBA_0057	4,500.00
63.	Prof. AISWARYA D PILLAI Dr. ROSE KAVITHA	Master of Business Administration	IOT-BASED SMART WATER CONSERVATION SYSTEM FOR HOUSEHOLDS	48S_MBA_0073	4,500.00
64.	Dr. ROSE KAVITHA Prof. RAJAT B HUBBALLI	Master of Business Administration	DIGITAL LITERACY FOR RURAL ENTREPRENEURS PROMOTING FINANCIAL AND BUSINESS SKILLS	48S_MBA_0084	4,500.00

Principal highlighted the Academic Year wise Comparison of NHCE Sanctioned Projects in KSCST SPP as per Table.5.

Table 5. Academic Year wise Comparison of NHCE Sanctioned Projects

Academic Year	KSCST SPP Series	No. of Projects Sanctioned	Sanctioned Amount
2024-25	48	64	2,25,500
2023-24	47	51	2,34,500
2022-23	46	43	1,91,000
2021-22	45	65	3,67,500
2020-21	44	35	1,89,000

IREC decided to give NOC for sufficing eligibility of Coordinator and Co-Coordinator ATAL FDP as per the norms of ATAL Scheme Document of AY 2025-26.

- Coordinators have not awarded/conducted ATAL FDPs (both Online and Offline) in Academic Year 2024-25.
- Coordinator's is not submitting not more than 01 proposals in Academic year 2025-26.
- Institution is not awarded/conducted ATAL FDPs (both Offline and Online) in both the Academic Years 2023-24 & 2024-25.
- Institution is not forwarding more than 05 ATAL Basic Offline FDP Proposals and 01 ATAL Offline Advanced FDPs including the proposal under reference.

Almost Ten *AICTE Training And Learning (ATAL) Academy* FDP Funding Permission Proforma received from various departments. IREC securitized the proposal about a sound domain knowledge and associated skills set to apply in real life with industry connect and equipped with Institutional Leadership skills for academic leadership as well as understanding their roles in community wellbeing, national building and also their own career development, in addition to an effectively communicate knowledge and skill sets to the students in an efficient manner and their teaching-learning effectiveness.

Based on above mentioned guidelines, IREC recommended and approved about five Proposals for 6 days / 1 Week offline type FDP and One Proposal for 12 days / 2 Weeks offline type FDP. IREC also verified proposal thrust area and sub – thrust area to meet research ethics as per the IREC Policy. The details of the submitted proposals from departments to IREC are mentioned in Table 6.

Table 6. Proposals of ATAL FDP for the AY 2025-26

S.No	Name of the Coordinators	Department	Title of the FDP	Thrust Area	IREC Comments
1	Dr. Srinath M K Dr. Sudarshan T A	ME	Recent Trends and Research Challenges on Advances in Bio-Inspired Engineering Design and Innovations	Energy, Sustainability and Climate Change	Recommended and permitted to submit the proposal for 12 Days FDP Type
2	Dr. Sanjeev P Kaulgud Dr. Akshatha P S	AIML	AI Enabled Genome Engineering: Unlocking Genome Secrets	Advanced Computing (Supercomputing, AI and Data Science)	Recommended and permitted to submit the proposal for 6 Days FDP Type
3	Dr. Santhosh Krishna B V Dr. Roja Ramani D	CSE 1	AI-Driven AgroTech: Transforming Sustainable Farming for the future	Aggrotech & Food Processing	Recommended and permitted to submit the proposal for 6 Days FDP Type
4	Dr. Sanjeev Sharma Dr. Gurulakshmi A B	ECE	Lab-on-Chip technologies: innovations in Miniaturized systems for healthcare and diagnostics	Semiconductors	Recommended and permitted to submit the proposal for 6 Days FDP Type
5	Dr. Mohan Das R Mr. Vinod Kumar S	EEE	Digital Twin Technology and its role in industrial automation	Industrial Automation	Recommended and permitted to submit the proposal for 6 Days FDP Type
6	Dr. Dhanalakshmi R V Dr. Rose Kavitha	MBA	The Intersection of Entrepreneurship, IPR and Design Thinking	Emerging technology areas	Recommended and permitted to submit the proposal for 6 Days FDP Type

			for sustainable business growth		
7	Dr. Monika Gupta Dr. Ishani Mishra	ECE	Next-Gen VLSI Fabrication in India: technological Challenges and AI Integration	Semiconductors	*Not Recommended*
8	Dr. Rajesh G Dr. Gurulakshmi A B	ECE	Connected Healthcare: IoT, Cloud Computing, and Edge AI for medical innovation	Health Care and Med-Tech	*Not Recommended*
9	Dr. M Jayanthi Dr. P. Sudhakiran	ECE	Integration of sensors in 6G and future wireless communication	Next Gen Communication	*Not Recommended*
10	Dr. Aravind S Kapse Dr. Vandana C P	ISE	The role of AI&ML in the field of Computer vision and medical signal processing	Advanced Computing (Supercomputing, AI and Data Science)	*Not Recommended*

The recommended proposals to be submitted in ATAL Portal as per the deadline mentioned in ATAL Calender of Events.

Dr. Vinoth Kumar K, Associate Head - R&D elaborated about the Research ethics awareness programmes successfully conducted, the details are mentioned below.

1. Seminar on "Research Schemes in India and Trust area" Funding for all Science and Engineering Departments dated on 12.02.2025

2. Workshop on Mastering Professional Writing of Research Papers with LaTeX" dated on 8.03.2025.

The Ethical awareness program is scheduled on 22.03.2025 on the topic "Hands-on-Training on LaTeX" . IREC Suggested to conduct this training programme in IOT Lab – B-Block.
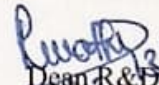
IREC approved the Faculty Development Programme on "Advancements in VLSI /Semiconductor industry and Introduction to Design for Test Methodologies" on 22nd March 2025 (Saturday) from 09:30 AM – 04:00 PM at New Horizon College of Engineering, Bengaluru. The resource person from QUA LCO MM INDIA PVT LTD, Bengaluru, India

IREC Approved to start preliminary process to "Conference Publication proposals in IEEE Xplore for technical Co-sponsorship in align with IEEE Bangalore Section and Technical Societies of IEEE Power Electronics Society Bangalore Chapter and IEEE Industrial Electronics Society Bangalore Chapter" for the conference titled "International Conference on Emerging Trends in Mobile Computing and Sustainable Informatics (ICEMCSI 2026)" during 17-18, June 2026 towards Silver Jubilee Celebration events. ICEMCSI 2026 is dedicated to explore the cutting-edge applications of mobile computing and sustainable informatics to enhance the future of mobile applications. This international conference
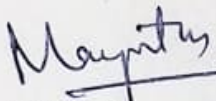
serves a forum for researchers to address mobile networks, computing models, algorithms, sustainable models, and advanced informatics that supports the symbiosis of mobile computing and sustainable informatics. The conference covers almost all the areas of mobile networks, computing and informatics.

IREC suggested about the regular updates in the Faculty Research Portals and it is 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

Dean R&D 13/3/25

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

Principal

Principal
New Horizon College of Engineering
Ring Road, Bellandur Post, Near Marathalli
Bangalore - 560103

NEW HORIZON
COLLEGE OF ENGINEERING
Department of Research and Development
Institution Research Ethics Committee (IREC)

Date of Meeting: 13.03.2025

Venue: Principal Conference Room

Time: 03:30 pm - 04:45 pm

Members Present

S.No	Name of the Member	Designation	Role	Signature
1.	Dr. Manjunatha	Principal	Chairman	*Manjunatha*
2.	Dr. Vinoth Kumar K	Professor & Associate Head - R&D	Member	*signature 13/3/25*
3.	Dr. Agalya V	Professor & Associate Head - R&D	Member	*signature 13/3/25*
4.	Dr. Sujin Jose A	Associate Professor	Member	*signature 13/3/25*
5.	Dr. Revathi V	Dean - R&D	Secretary	*signature 13/3/25*

NEW HORIZON
COLLEGE OF ENGINEERING

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 Intitiative (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

Dean
Department of Research and Development
NEW HORIZON COLLEGE OF ENGINEERING
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Dr. Manjunatha
Principal
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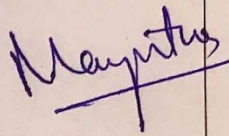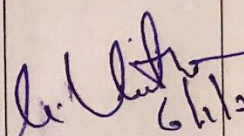
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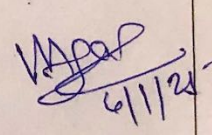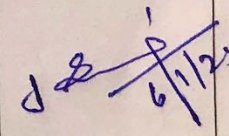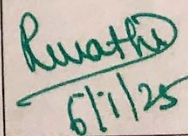
Institution Research Ethics Committee (IREC)

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	*Manjula*
2.	Dr. Vinoth Kumar K	Professor & Associate Head - R&D	Member	*signature 6/1/25*
3.	Dr. Agalya V	Professor & Associate Head - R&D	Member	*signature 6/1/25*
4.	Dr. Sujin Jose A	Associate Professor	Member	*signature 6/1/25*
5.	Dr. Revathi V	Dean - R&D	Secretary	*Revathi 6/1/25*

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 imapct of economic policies on political stabillity : A comprehensive analysis of emerging economies .	Prof. Madhuraj	Dr.Rose Kavitha	MBA	₹ 3,75,000.00
VGST	VGST - FDP	Challenges in Smart Technologies, opportunitiesand 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 Nanosensorusing BismuthCobalt Nanoferrite Drop Casted Screen Printed Electrodefor 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 convertors 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 Convertor in Renewable Energy Applications	Dr. Vinoth Kumar K	Dr. Mausri Bhuyan	EEE	₹ 2,70,000.00
VGST	VGST-GRE	Centre for system to chip Emulationand 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

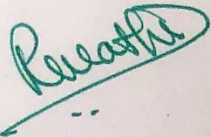|						
AICTE	ATAL Online 6 Day Faculty Development Programmes 2024-25	Role of Digital Twins in Driving Sustainablity	Dr. Mohan Das R	Ms. Soumya K V	EEE	₹ 1,00,000.00
AICTE	ATAL Online 6 Day Faculty Development Programmes 2024-25	Nanovation for sparking technology advancements in VLSI design	Dr. M Jayanthi	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.Rojaram ani	CSE 1	₹ 1,00,000.00
AICTE	ATAL Online 6 Day Faculty Development Programmes 2024-25	Sutainable 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	Interative 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 Directons	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 Sukanya	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
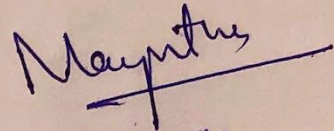
8. Workshop on "Unlock Your Innovation Essential Techniques of Patent Drafting" on 13.09.2024

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

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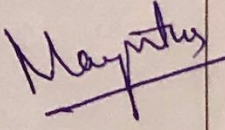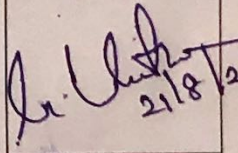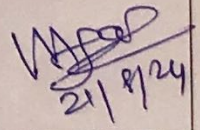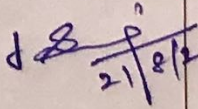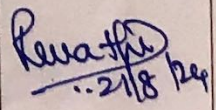
Institution Research Ethics Committee (IREC)

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	
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	

**NEW HORIZON
COLLEGE OF ENGINEERING**
New Horizon Knowledge Park, Ring Road, Marathalli
Autonomous College Permanently Affiliated to VTU, Approved by AICTE & UGC
Accredited by NAAC with 'A' Grade. Accredited by NBA

Department of Research and Development

Institution Research Ethics Committee (IREC)

Minutes of Meeting

Date of Meeting: 28.05.2024   Time: 10:00 am - 11:30 am

Venue: Principal Conference Room

A meeting of the Institution Research Ethics Committee (IREC) was held at 10:00 am on 28th May 2024 at the Principal Conference Room to discuss various issues pertaining to Ethical Code of Conduct in research.

Agenda

1. Approval of minutes of the previous meeting October 2023
2. Completed research projects
3. Progress about Ongoing Project
4. Status about Awareness programmes of research ethics for students and faculty members
5. Planned 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 Arul	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 from 25th October 2023 to 27th May 2024. 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. The Minutes of meeting is approved by IREC.

Principal suggested that steps are to taken to create awareness on research ethics among faculty members in IPR.

The IREC approved the completed research project for the AY 2023-24 as mentioned in Table 1.

Table 1. Completed Research Funding Projects

S.No	Name of the Faculty (Principal Investigator)	Name of the Funding Agency	Title of the Project	Sanctioned Order No.	Sanctioned Date	Sanctioned Amount (in Rupees)
1	Dr. Srinath M. K Dr. Manjunatha	Vision Group of Science & Technology, Govt. of Karnataka	Centre of Excellence in Bio-Mechanical Engineering Sciences	GRD no. 1007	15-02-2023	40,00,000
2	Dr. Bhavya P	Vision Group of Science & Technology, Govt. of Karnataka	Analysis of novel heterocyclic compound for photophysical properties and their biological activity through florescence quenching by spectroscopic and computational methods	GRD no. 1106	15-02-2023	3,00,000
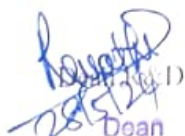
The IREC verified the sanctioned funded project about research ethics of Ms. Supriya B Rao, Assistant Professor, Department of AIML as a Principal Investigator. This project funded by NVIDIA Graphics Private Limited, Bengaluru. The KITS are available in the department (NVDIA Lab).

The research ethics events successfully completed and details are mentioned below
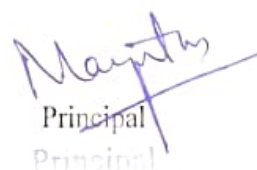
1. Lecture Series on "Innovative Research Funding Proposal – An Overview" on 05.11.2023
2. Lecture Series on "project Writing & Funding Opportunities" on 08.11.2023
3. Lecture Series on "Funding Opportunities – An Over view" on 23.12.2023
4. Lecture Series on "Smart Research Articles" on 05.01.2024
5. Lecture Series on "Art of Writing Innovative Research Proposal for Funding - An Overview" on 10.02.2024

For the benefit of students and faculty members about Research Ethics; the Faculty Development Program on "Intellectual Property Rights" is planned during 29.06.2024

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

Dean
Department of Research and Development
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New Horizon Knowledge Park, Bellandur Main Road,
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Principal
Principal
New Horizon College of Engineering
Bangalore

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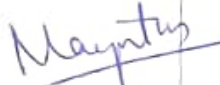
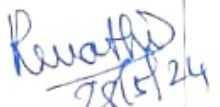# Department of Research and Development

Institution Research Ethics Committee (IREC)

Date of Meeting: 28.05.2024   Time: 10:00 am - 11:30 am

Venue: Principal Conference Room

Attendance

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	
3.	Dr. Agalya V	Professor & Associate Head - R&D	Member	
4.	Dr. Sujin Jose Arul	Associate Professor	Member	
5.	Dr. Revathi V	Dean - R&D	Secretary	

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Department of Research and Development

Institution Research Ethics Committee (IREC)

Minutes of Meeting

Date of Meeting: 25.10.2023   Time: 10:00 am - 12:00 pm

Venue: Principal Conference Room

A meeting of the Institution Research Ethics Committee (IREC) was held at 10:00 am on 25th October 2023 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. Ongoing research projects
3. Completed research projects
4. New Project Proposal submission to Industry
5. Awareness programmes for research ethics for students and faculty members

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 Arul	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 from 1st August 2023 to 24th October 2023.

Dr. Manjunatha, Principal highlighted with the ethical practices in research as per norms of UGC and AICTE.

Dean – R&D 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 IREC approved the research progress of ongoing research projects as mentioned in Table 1. IREC Satisfied the research progress of "Analysis of novel heterocyclic compound for photophysical properties and their biological activity through florescence quenching by spectroscopic and computational methods".

Table 1. Ongoing Research Funding Projects

S.No	Name of the Faculty (Principal Investigator)	Name of the Funding Agency	Title of the Project	Department	Sanctioned Order No.	Sanctioned Date	Sanctioned Amount (in Rupees)
1	Dr. Srinath. M. K Dr. Manjunatha	Vision Group of Science & Technology, Govt. of Karnataka	Centre of Excellence in Bio-Mechanical Engineering Sciences	ME	GRD no. 1007	15-02-2023	40,00,000
2	Dr. Bhavya P	Vision Group of Science & Technology, Govt. of Karnataka	Analysis of novel heterocyclic compound for photophysical properties and their biological activity through florescence quenching by spectroscopic and computational methods	MBA	GRD no. 1106	15-02-2023	3,00,000

The IREC approved the completed research project for the AY 2023-24 as mentioned in Table 2.

Table 1. Completed Research Funding Projects

Name of the Faculty (Principal Investigator)	Name of the Funding Agency	Number of the Project	Sanctioned Order No.	Sanctioned Amount (in Rupees)
New Horizon College of Engineering	Karnataka State Council for Science and Technology (KSCST), Indian Institute of Science, Bangalore - 560012	51	47 Series	2,34,500

Ms. Supriya B Rao, Assistant Professor, Department of AIML presented her research proposal submission to NVIDIA Graphics Private Limited, Bengaluru for AI/DL Embedded Lab. Based on the presentation, IREC Recommended and approved the proposal to NVIDIA Graphics Private Limited, Bengaluru.

For the benefit of students and faculty members about Research Ethics the following events are planned.

1. Lecture Series on "Innovative Research Funding Proposal – An Overview" on 05.11.2023
2. Lecture Series on "project Writing & Funding Opportunities" on 08.11.2023
3. Lecture Series on "Funding Opportunities – An Over view" on 23.12.2023

4. Lecture Series on "Smart Research Articles" on 05.01.2024

5. Lecture Series on "Art of Writing Innovative Research Proposal for Funding– An Overview" on 10.02.2024

The IREC appreciated the efforts for successful conduction of Workshop on "Plagiarism in Research Papers for Students" on 18.09.2023. The workshop aims to sensitize the participants on 'Issues related to Plagiarism' and how the power of reference manager can be used in their research activities. The focus of the workshop is to provide hands-on training on "Mendeley – a free reference manager" to the participants. Plagiarism is considered as a form of misconduct in scholarly communications. The feedback is very positive and encouraging, 43 student members got benefitted from the session.

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

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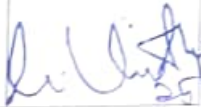
Department of Research and Development

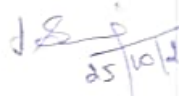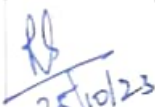## Institution Research Ethics Committee (IREC)

Date of Meeting: 25.10.2023   Time: 10:00 am - 12:00 pm

Venue: Principal Conference Room

Attendance

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	
3.	Dr. Agalya V	Professor & Associate Head - R&D	Member	
4.	Dr. Sujin Jose Arul	Associate Professor	Member	
5.	Dr. Revathi V	Dean - R&D	Secretary	