



**NEW HORIZON  
COLLEGE OF ENGINEERING**

Autonomous College Permanently Affiliated to VTU, Approved by AICTE & UGC  
Accredited by NAAC with 'A' Grade, Accredited by NBA

## **7<sup>th</sup> National Conference**

**On**

### **Innovations in Intelligent Computing Technologies, Communication and Security for Sustainable Development**

**23<sup>rd</sup> April 2025**

## **CONFERENCE REPORT**

The national conference on “Innovations in Intelligent Computing Technologies, Communication and Security for Sustainable Development” was conducted on 23rd April 2025 by the Department of CSE, ISE, AIML, DS, MCA at New Horizon College of Engineering, Bengaluru.

The conference was intended to provide a common forum for discussions about the recent trends and advancements of research in the area of Computer Science and multidisciplinary domains. It served as an excellent platform for academia, researchers and technologists to discuss and present their recent advances and research outcomes.

The formal proceedings of the conference began at 10:00 AM with an invocation song followed by the lighting of the lamp. This was followed by the welcome address by Dr. B. Rajalakshmi, Professor & HOD - CSE, NHCE, an address by Dr. V. Revathi, Professor & Dean - R&D, NHCE. The Presidential address was delivered by Dr. Manjunatha, Principal, NHCE. The conference proceedings was officially released thereafter.

The inaugural address was delivered by the Chief Guest, Mr. Prasad Chitta, Practice Lead, Tata Consultancy Services, Bengaluru. A felicitation ceremony was held for the chief guest.

Dr. Shyam, Associate Professor, Department of Electronics and Communication Engineering, NITK, Surathkal, delivered the keynote session on "Advanced Deep Learning Algorithms for Urban Change Detection from Satellite Images".

Technical papers were invited in various domains including Machine Learning and Deep Learning, Healthcare and Medical Applications, Blockchain and Security, Natural Language Processing and Speech Recognition, Augmented Reality and IoT, Quantum Computing, Advanced Algorithms and Multidisciplinary Research. A total of **130 papers were received** from various institutions across these domains.

The conference received overwhelming contributions and enthusiastic support. The response from students, faculty members and research scholars were exceptional. All **130 papers were sent** for single-blind review conducted by senior faculty members with domain expertise. A plagiarism check was performed using “Drillbit” software, with a maximum permissible similarity index of 10%. Acceptance mails were sent to authors of papers that passed the review and plagiarism criteria. Out of these, **90 papers were accepted with revisions**. We have received **69 registrations from authors of the accepted papers** and they have given presentations on the day of conference.

To recognize research excellence, Best paper awards were announced as follows:

The paper titled “**An IoT-Enabled Wearable System for Real-Time Eczema Detection and Prevention**” authored by **Akash Varma, Amogh D Paradi, Aryan Mishra, and Aastha Sumeet Malik**, 6th semester students from the **CSE Department**, was awarded **First Prize** with a cash award of **Rs. 5,000**.

The paper titled “**Advanced Smart Hat with UV Sensor Integration and Enhanced Navigation Functionality**” authored by **Florance G, Pranay Karthik Reddy, Balu Chandrasekar Reddy, and Adarsh T Nambiar**, 6th semester students from the **CSE Department**, secured the **Second Prize** with a cash award of **Rs. 3,000**.

The paper titled “**Precision Agriculture IoT Framework: Integrated Sensor Network for Comprehensive Crop Health Assessment**” authored by **Shruthi G R, Nisarga H N, and Prarthana R**, 6th semester students from the **ISE Department**, received the **Third Prize** with a cash award of **Rs. 2,000**.

An expert panel of judges was constituted comprising of distinguished professionals and academicians. Authors presented their research papers across various thematic tracks showcasing a wide range of scholarly contributions as follows

Sl.No	Track Name	Venue	Track In charge	Internal Session Chair	External Session Chair	External Session Chair Affiliation with contact No
1	Machine Learning 1	HP Lab	Dr. Sonali Jagadish Mahure	Dr Ashok K	Ms. Supriya K Supriya.kannery@dell.com	Distinguished Technical Architect, DELL Technologies, 9845085303
2	Quantum Computing	A 214	Ms.Mehda	Dr. KalaiVani	Dr. D R Kumar Raja	Professor, CSE, Reva University, 9441449744
3	Internet of Things 1	MBA Conference	Ms. Yogitha	Dr. Bhimaraya Patil	Er. Arvind Kumar	Senior Manager, R&D Broadcom Inc, 9980130392
4	Artificial Intelligence 1	A216	Ms. Mradula	Dr. Vijayasekaran	Dr. Santhosh S	Professor, CSE, Jain University, 9739040498
5	Artificial Intelligence II	A217	Ms. Roja R	Dr. Umamaheshwaran	Dr. Shiju George Drshijugeorge3@gmail.com	Professor, CSE, Christ University, 9446600936
6	Healthcare and Medical Applications	Falconry	Ms. Usha Rani	Dr. Santhosh Kumar B	Er. Santhosh Narayanan	GPU Power Modelling Architect, Intel corporation 9845429813
7	Machine Learning II	HP Lab	Dr. Sonali Jagadish Mahure	Dr Pramila/Dr. Sonali	Ms. Supriya K Supriya.kannery@dell.com	Distinguished Technical Architect, DELL Technologies, 9845085303
8	Artificial Intelligence III	A217	Ms. Roja R	Dr. Umamaheshwaran	Dr. Shiju George Drshijugeorge3@gmail.com	Professor, CSE, Christ University, 9446600936
9	Internet of Things II	MBA Conference	Ms. Yogitha	Dr. Bhimaraya Patil	Er. Arvind Kumar	Senior Manager, R&D Broadcom Inc, 9980130392
10	Application Development	Falconry	Ms. Usha Rani	Dr. Santhosh Kumar B	Er. Santhosh Narayanan	GPU Power Modelling Architect, Intel corporation 9845429813
11	Multidisciplinary	A214	Ms.Mehda	Dr. KalaiVani	Dr. D R Kumar Raja	Professor, CSE, Reva University, 9441449744
12	Cyber Security	A215	Vernika Singh	Dr. Sreejith	Dr. Anitha N	Professor, BNMIT,9945788155

The conference concluded with a valedictory session where certificates were distributed to all participants. Special awards were given to the best paper in recognition of their outstanding research and contributions. The event concluded with a vote of thanks.

"Imagination is the beginning of creation. You imagine what you desire, you will what you imagine, and at last, you create what you will."

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