## Annual Report (April 2023 –March 2024)

CITRA is the Multidisciplinary Research Centre Established in March 2022 with focus on Training, Research and Consultancy in the area of Information Technology. The vision of CITRA is to elevate NIT Calicut to the smartest T- School in the country through intelligent and automated IT Enabled services in a sustainable manner for all academic, research, co-curricular and outreach activities.

# A. Outreach Activities& Courses Organized

1. Conducted a One Day workshop on Data Science for Social Good on 18th April 2023. Resource person: Prof.Ponnurangam Kumaraguru, Prof. IIIT Hyderabad. There were more than 120 participants for the event.



2. Hosted an Invited talk on "Innovation with AI &IoT" Mr. Shriram Kris Vasudevanof Intel India Pvt.Ltd on 8th August 2023. More than 150 students attended the talk.

3. Organized an one Day workshop on "Online Tools for English to Hindi Translation in association with OLU of NIT Calicut on 28th October 2023. Main Resource person: **Shri. Jainath Yadav, Public Information Officer, IIM Indore.**There were 60 participants**.**



4. Organized a short term course on "**Classroom to Boardroom"** along with the1995 batch of B.Tech CSE of NIT Calicut. The duration of the course was four months from 13th January 2024 to 24th April 2024. 30 students of NITC have completed the course and some of them got internships in ID fresh Food Products Pvt.Ltd, Bangalore.



5. Hosted a workshop on "**Generative AI - Unveiling Exciting Collaborative Initiatives with Dell Technologies"** on 5thFebruary 2024. There were more than 120 participants.

6. Hosted an interactive Interactive session with Sri. Harisankar. IPS, SP, Cyber Operations, Kerala Police on 12th March 2024.



# B. R&D Projects

## Sustainable Applications for Mobility, Urban Development, and Resilience using Artificial intelligence (SAMUDRA)

This is an R&D Project sponsored by the Ministry of Education, Govt. of India with a funding of Rupees Two crores. In line with the national AI mission, "Make AI in India and Make AI Work for India", the project envisages designing AI-based solutions with a profound societal impact. NITC has the unique distinction of being the only NIT in the country to be selected as part of the "AI Centres of Excellence (AI CoE), Ministry of Education" initiative.



The Phase 1 of this project on PoC implementations of various verticals of the SAMUDRA project is nearing completion. Dr. S.D Madhu Kumar, Chairperson, CITRA is the chief project manager of this Project.

# C.MoUs Signed

1. MoU with Dell Technologies Pvt. Ltd for Technical Collaborationwas signed on 5th February 2024



2. MoU Signed with Cyberdome Division of Kerala Police for Technical collaboration on 12th March 2024.



# D.    Automation Projects

CITRA has initiated an automation Project entitled- **NIVAHIKA**, which is a portal for reporting all activities of the Institute on a periodic manner. All the departments and sections of the Institute will have accounts in this portal for uploading the details of their activities.

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S D Madhu Kumar,  Chairperson, CITRA