

Siemens Healthineers and IISc launch lab for AI in precision medicine to revolutionise neurology research

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Aiming to combat the world's most threatening neurovascular diseases and pioneer breakthroughs in healthcare

Siemens Healthineers and the Indian Institute of Science (IISc) inaugurated the Siemens Healthineers-Computational Data Sciences (CDS) Collaborative Laboratory for artificial intelligence (AI) in Precision Medicine at IISc Bengaluru.

Peter Schardt, Chief Technology Officer of Siemens Healthineers, inaugurated this state-of-the-art laboratory. The CDS collaborative laboratory will develop open-source AI-based tools to precisely automate the segmentation of pathological findings in neuroimaging data, with a focus on accurately diagnosing neurological diseases and analyzing their clinical impact at a population level.

The laboratory has been established with the support of Siemens Healthineers Corporate Social Responsibility initiative, which also includes six M.Tech fellowships for women, aiming to enhance female representation in artificial intelligence. Dr Vaanathi Sundaresan of IISc's Department of CDS will lead the programme.

The focus of this collaborative laboratory will be to work closely with neurologists, radiologists and Siemens Healthineers and integrate the developed computational models into their regular clinical workflows.

Dileep Mangsuli, Executive Director, Siemens Healthineers, said "Along with IISc, we aim to reshape the landscape of neuroscientific progress through the capabilities of artificial intelligence, translating laboratory insights into intelligent solutions. We want to empower the broader clinical research community and be changemakers in the fight against world's most life-threatening diseases."

Image caption- (From Left to Right) Dr Uma Nambiar - Chief Executive Officer of Bagchi-Parthasarathy Hospital; Dileep Mangsuli, Executive Director and Head, Siemens Healthineers Development Centre Head; Dr Peter Schardt, Chief Technology Officer, Siemens Healthineers; Prof Venkatesh Babu R - Chair, Department of Computational and Data Sciences; Dr Vaanathi Sundaresan - Assistant Professor, Department of Computational and Data Sciences.

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