

Prof. Shubhajit Roy Chowdhury from the School of Computing and Electrical Engineering, IIT Mandi was awarded the prestigious COMSYS Young Achiever's Award 2025 by COMSYS Educational Trust, Jadavpur University. The award consisting of a gold medal and a certificate was ceremonially handed over to Prof. Roy Chowdhury on the 9th Foundation Day of COMSYS Trust. The award was given in recognition of his work on Cerebral Oxygenation studies through Near Infrared Spectroscopy aided by Anodal Transcranial Direct Current Stimulation leading to neuro-diagnosis and neuro-rehabilitation. His cross-sectional studies on cerebro-vascular artery suggest that impaired hemodynamics of cerebrovascular artery is followed by transient ischemic attack (TIA) and ischemic stroke. Here, cerebrovascular reactivity (abbreviated as CVR) signifies the dilation capacity of blood vessels, and is a remarkable bio-marker for vascular reserve of brain. The CVR may be effectively studied by monitoring cerebral oxygenation level, which if coupled with anodal transcranial direct current stimulation can serve as an important biomarker to classify between stroke and non-stroke patients, thereby providing for an imminent screening and monitoring tool. Along with him, the stage was shared by Prof. Amlan Chakrabarti from the University of Calcutta who was awarded COMSYS Fellow Award and Prof. Bidyut Baran Chaudhuri from Indian Statistical Institute, Kolkata who was awarded Lifetime Achievement Award. Photographs are attached herewith.



