

AARUPADAI VEEDU INSTITUTE OF TECHNOLOGY (AVIT)

VINAYAKA MISSION'S RESEARCH FOUNDATION

Press Release

Two Day Workshop on Brain Machine Interface (BMI) on 7 and 8 February 2018

A two day workshop on Brain Machine Interface is being organised at AVIT on 7 and 8 February 2018. Dr Vijay Varadan, Pennstate University, USA is a well known expert in area of nanosensors and is the resource person. More than 230 students and faculty from more than 10 institutions across India participated in the workshop.

Dr Varadan's lab has developed a wireless brain-machine interface (BMI) platform and established a BMI that can be used to control the movement of a robot by using the extracted features of the EEG signals. The system records and classifies EEG as alpha, beta, delta, and theta waves. Prof Varadan made a live demonstration using this wearable sensor developed by him to detect brain waves on a mobile app.

Participants will be given a joint certificate by AVIT and Global Institute of Nanotechnology, USA. This workshop will provide an interdisciplinary platform for the students and researchers from medical and engineering streams to interact and collaborate on innovative health care technologies.



Prof Varadan addressing the participants of Brain Machine Interface Workshop