

DG (LS) INAUGURATES VE-CARE LAB AT INMAS



Dr. AK Singh, Outstanding Scientist and Director General (LS), DRDO inaugurated Virtual Environment - Cognitive assessment, rehabilitation, & Enhancement (VE-CARE) lab on 1st March 2019 at Institute of Nuclear Medicine and Allied Sciences (INMAS). The present work includes to develop environments of Virtual reality and augmented reality with the real-time interaction to allow the immersion of the users with simultaneous visuo-audio and haptic interactions. The built-in environments are used to identify psychophysiological signals from cognitive processes for various complex operational conditions and train those processes for enhancing human

performance. The ultimate purpose is to fundamentally understand warfighter's performance enhancement, training aids, and ultimately lead towards human-machine teaming. VE- CARE lab entailing Eye tracking device, Head mounted displays, Microsoft Hololens, 256 channels wireless EEG system, motion capture suits along with high power workstations for virtual environment creation and physiological data analysis. The work caters to maintaining standards throughout the world by establishing a benchmark for uniqueness in India.

This will be helpful in cognitive training of personnel under different scenarios.

The lab entails state-of-art systems for virtual reality and augmented reality for cognitive profiling which has established a benchmark for uniqueness in India.