

# One Day Seminar

on

## Cognitive Collaboration: Human and Machine



Institute of Nuclear Medicine and Allied Sciences (INMAS) Delhi conducted a one day seminar on the topic "**Cognitive Collaboration: Human and Machine**" on the 1 March 2019. Seminar was inaugurated by Dr. AK Singh, DG (LS), DRDO. He addressed about effective integration of humans and machines into war fighting systems that outperforms our opponents. Dr Tarun Sekhri, Director INMAS, in his welcome address emphasized on innovative

technologies which can transform human-computer interactions by making information systems adapt to the changing capabilities and limitations of the user. Dr Bhaskar Burman, SA to CNS was also present during inaugural ceremony. Dr Sushil Chandra, Scientist G was the coordinator of seminar. He addressed about assessment and enhancement of human-machine capabilities by taking various perceptual, behavioural, cognitive and neuro-physiological factors into consideration. The objective of the conference was the efficient and effective integration of humans with complex machines and attempts at integration of human factors and software engineering aspects of artificial intelligence technique along with cognitive - perceptual training in order to provide intelligent information and interaction capabilities. Around 40 participants of various DRDO labs, defence and paramilitary forces attended the seminar. Participants understood the need of cognition in system engineering and evaluated the methods to reduce gap between human cognition and machine intelligence in modern warfare. An active panel of three groups were formed to discuss research problems of concerned fields and subsequently research goals for human-machine teaming was laid on.