

**INTERNATIONAL WORKSHOP IN COLLABORATION WITH CRANFIELD
UNIVERSITY ON PROFESSIONAL WAR GAMING FOR SCIENTISTS & SERVICE
OFFICERS OF DRDO**

DIAT (DU) in collaboration with Cranfield University, UK is organizing a Workshop/Training Program on Professional War Gaming for the Scientists and Service Officers nominated by DRDO on 19-23 Feb 2018 at DIAT (DU)

War games are analytic games that simulate aspects of warfare at the tactical, operational, or strategic level. They are used to examine war fighting concepts, train and educate commanders and analysts, explore scenarios, and assess how force planning and posture choices affect campaign outcomes.

This course offers details of war games and combat models across a broad range of types. It covers many of the methods used in the modelling of combat and their application in support of key decisions and in the training of military and defence personnel.

Subject Experts from Cranfield University will deliver lectures on topics like Introduction to the methods used in modelling combat and their application in support of defence decision making and training; War gaming/interactive simulation; Multi Resolution Combat Process and Combat Attrition Modelling; Aggregated modelling techniques; Modelling of Information & cyber warfare; War gaming and combat modelling in practice. Manual war gaming. Judgmental and political analysis methods. Modelling of Intangibles, including Modelling LIC, Rear Area Security (RAS), PsyOPS, CBRN (Chemical, Biological & Nuclear Warfare); War gaming Courses of Actions (COA's) and plan evaluation techniques for computerized war gaming system; Computer generated forces and agent based techniques; Computerized war games as a tool to aid acquisition process; Joint War gaming System; an overview of Live, Virtual & Constructive (LVC) Simulation Solution & protocols (Integration); Human factors representation in war gaming; Data acquisition; Verification and Validation, discussion on mutual areas and practical orientations.

Coordinating Department: Department of Materials Engineering

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