





Directorate of Futuristic Technology Management (DFTM)

— About DFTM

DRDO has policy & mechanism for collaborative directed research in critical & futuristic technology areas for defence & security applications. To address technology challenges and gaps, the directed research is planned, executed & managed through a network of DRDO Industry Academia - Centres of Excellence (DIA-CoEs) by DFTM.

—— Objective

To engage academia, start-ups/industries and other national agencies through directed research for development of critical and futuristic technologies for defence and security applications having Technology Readiness Level (TRL) less than 4 and mature it upto TRL 7.

— Salient Features

- Create research eco-system within academic environment through DIA-CoEs
- Focus on translational research
- Establish the state-of –the art research facilities
- Effective governance, Review, Monitoring and Administrative structure
- Effective collaboration with accountability among all the stake holders
- Develop skilled & talented human resource
- Joint IPR ownership policy.
- Research collaboration with International academia and research institutes.

Opportunities

- Multi- Institutional & Start-up /Industry collaboration for development of cutting edge technologies.
- Unique collaboration platform for the faculties and researchers to venture in scientific explorations and innovations for developing dual use futuristic technologies.

Research Collaborators and engagement



Outcomes

- Engaged more than 1200 faculties, researchers, scientists and industries through 180 no. of projects.
- Many technologies such as smart solider jacket, extreme cold weather jacket, graphene ultra capacitors etc. are in advanced stage of development and testing.
- Building advanced research capabilities & capacity towards achieving Atmanirbharta in Defence.

Focus on Futuristic Technology Areas



High Energy Lasers



Hypersonic



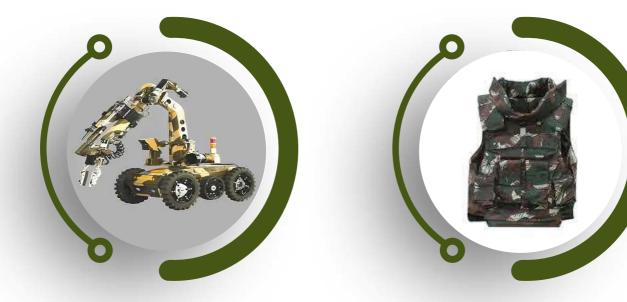
Quantum Technology





Aero Engine

Artificial Intelligence



Robotics

Bullet Proof Jacket



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