



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



University of Hyderabad



IIT Bombay



IIT BHU



IIT Delhi



भारतीय विज्ञान संस्थान
IISC Bangalore



IIT Madras



IIT Kanpur



भारतीय प्रौद्योगिकी संस्थान हैदराबाद
Indian Institute of Technology Hyderabad
IIT Hyderabad



॥ त्वं ज्ञानमयो विद्वानमयोऽसि ॥

IIT Jodhpur



IIT Roorkee



IIT Kharapur



Central University of Jammu



Gujarat University



Bharathiar University



Mizoram University



Outcomes

- Engaged more than 1200 faculties, researchers, scientists and industries through 180 no. of projects.
- Many technologies such as smart soldier 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



Directorate of Futuristic Technology Management (DFTM)
Director General Technology Management (DGTM)
Defence Research & Development Organisation
Government of India, Ministry of Defence
New Delhi-110011
Email: dftm-drdo.hqr@gov.in