

Defence Research and Development Organisation



ABOUT

[Defence Research and Development Organisation](#) in DRDO Bhawan, Rajaji Marg, New Delhi, India and was established by Ministry of Defence, Govt of India. The centre was established in 1958. This institute was formed with the combination of already functioning Technical Development Establishment (TDEs) of the Indian Army and the Directorate of Technical Development & Production (DTDP) with the Defence Science Organisation (DSO). This centre is governed by Ministry of Defence. Now, DRDO is continuously working with more than 50 laboratories which are deeply engaged in defence technologies like [aeronautics](#), armaments, electronics, combat vehicles, engineering systems, instrumentation, missiles, etc.

Research Centre Name	Defence Research and Development Organisation
Centre Type	Central
Governed By	Ministry of Defence
Location	Delhi, India
Topic Cover	Energetic Materials, Aeronautical Development Establishment, Artificial Intelligence & Robotics, Military Airworthiness and Certification, Bioengineering & Electro Medical Laboratory, etc.
Application Mode	Online & Offline
Head	Dr. G. Satheesh Reddy
How to Reach	DRDO, Delhi
Founded In	1958
Website Link	Click Here

MISSION AND VISION

The DRDO vision is for empowering the country with state-of-the-art indigenous [Defence technologies](#) and systems.

Mission is

- To draft, evolve and guide to production state-of-the-art sensors, weapon systems, platforms and allied equipment for nation [Defence Services](#).
- To provide scientific solutions to the [Services](#) to advance combat effectiveness and to encourage well-being of the troops.
- To grow [infrastructure](#) and committed quality workforce and build strong indigenous technology base.

DIFFERENT ON-GOING RESEARCH PROJECTS

Continuous research work is going in centre. Some of the titles are listed in below table.

1) Defence Science

1	Common Bulkhead Tank Design for Cryogenic Stage of an Indian Launch Vehicle
2	Error Estimation of Measured Exhaust Gas Temperature in Afterburner Mode in an Aero Gas Turbine Engine
3	Technology Forecasting of Unmanned Aerial Vehicle Technologies through Hierarchical S Curves

2) Life Science

1	Investigation on Oral Toxicity of Diallyl Sulfide A Principle Organosulfur Compound Derived from Allium Sativum Garlic in Mice
2	Raga Therapy an Effective Treatment for Stress Management
3	In vitro Anti Diabetic Potential of Loranthacean Hemi Parasite Helicantes elasticus Desv Danser Collected from Six Different Hosts

3) Library & Information Technology

1	Problems and Prospects of Implementing MOOCs Massive Open Online Courses in North East India in LIS Perspective
2	Research Support Services in Indonesian Academic Digital Libraries A Proposed Business Model and Prototype Design
3	Citation Trend of Indian Physics and Astronomy Research during 2005 2020 through the Lens of Some New Indicators

RESEARCH AND DEVELOPMENT

1) Aeronautics Research & Development Board

Aeronautics Research & Development Board vision to make nation strong via technology and by building world class cutting edge [aeronautical science](#) and technology base. This will help in developing our Defence, Space and Civil Aviation sectors internationally competitive systems and solutions.

Aeronautics Research Development Board mission is to motivate and fund basic and applied research in pertinent scientific training directly relevant to nation aeronautical systems needed for future by enabling and bracing emerging talents, particularly in academic and research institutions to produce and develop a potential knowledge-base system applicable to future [aeronautics](#) needs of the country.

2) Armaments Research Board

[Armaments Research](#) Board vision is to expand the scientific community in nation in the field of armament technology harnessing and nourishing the talent from different academic and research organisations. This is to increase the expertise and technology in the armaments field and having direct application to ongoing research projects with DRDO.

Armaments Research Board mission is to meet the future challenges in the armaments field by developing the [intellectual level](#), physical infrastructure and scientific understanding.

3) Life Sciences Research Board

Life Sciences Research Board vision is to meet the country needs of [Defence Service](#) by expanding and deepening the knowledge of research talents of nation in the area of life science. This can be done with proper nurturing of youth.

Life Sciences Research Board mission is to catalyse the needed cross-fertilization of plans and experiences between scientific community in technical areas to provide the needed help to soldier in operations and the knowledge for integrating “[human factors](#)” to improve his combat effectiveness.

4) Naval Research Board

Naval Research Board vision is to provide needed help for the future needs of the Navy [Security](#) of Country by providing an organisation with the world class academic research in science & technology.

Naval Research Board mission is to inspire and fund basic and applied research in pertinent scientific field of board relevance to our future [Navy](#) by validating and supporting upcoming talent, most particularly in academic institutions, to generate & spread a knowledge-base potentially applicable to the Navy.

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