

Defence Research and Development Organisation (DRDO)

Ever wondered who designs those awesome missiles you see in the news, or the cutting-edge tech that keeps our brave soldiers safe? Meet DRDO, the Defence Research and Development Organisation. India's very own science superheroes! From drones and missiles to AI systems and life-saving gear for jawans, DRDO does it all!

What is DRDO?

Born in 1958, this incredible Indian organization, envisioned by Jawaharlal Nehru, is like a super-smart science club and high-tech workshop rolled into one. Its scientists, part of the elite Defence Research & Development Service (DRDS), are true patriots—combining science and love for the country. DRDO is the country's largest and most diverse science team, working under the Ministry of Defence to make sure our soldiers have the best technology. Living by their powerful motto, "*Strength's Origin is in Science*," they're busy building a self-reliant India.

Who are they?

- A massive network of over 50 labs across India.
- Home to roughly 5,000 elite scientists (DRDS) and 25,000 dedicated staff.
- Specialized in areas like:
 - Missile Systems
 - Aeronautics (think aircraft!)
 - Armaments (like the Arjun Tank)
 - Naval Systems
 - Life Sciences (yes, even soldier nutrition!)

What do they do?

DRDO designs and develops cutting-edge defence systems to make India less dependent on foreign suppliers. They're constantly innovating, recently even testing hypersonic missile technology! Committees are also working to make them even more efficient.



Their "Hall of Fame" Achievements

- Integrated Guided Missile Development Programme (IGMDP): This brought us game-changers like **Prithvi, Agni, Akash, and Nag missiles!**
- **BrahMos Missile:** One of the world's fastest supersonic cruise missiles.
- **Tejas:** India's very own Light Combat Aircraft.
- COVID-19 Response: They even developed ventilators and the 2-DG drug during the pandemic!

DRDO is where science meets patriotism, creating a stronger, safer India!