

National Institute of Technical Teachers Training and Research
(NITTTR)

Ministry of Education, Taramani, Chennai-600 113

**Advertisement for the Post of Junior Research Fellow (JRF) for the DRDO
Funded Project**

Project Title	Fabrication of solid propellants using slurry based 3D printing and experimental investigations on minimizing curing time using various heat sources
Funded by	DRDO – ARMREB – High Energy Materials (HEM) Panel
No. of Post	One
Duration	2 Years or till completion of project, whichever is earlier
Qualification	B.E/B.Tech with First class in Mechanical/Production/Metallurgy/Materials Science / Aero from reputed institute with valid GATE score. or M.E/M.Tech with First class in Manufacturing/Additive Manufacturing/Material Science//Metallurgy/Aerospace/Propulsion from reputed Institute. (Attach Proofs)
Preferable Skills and knowledge	Fundamental knowledge of solid propellants, Handled project in 3D printing, Material characterization and mechanical testing (Attach Proofs)
Job description	<ul style="list-style-type: none">• Prepare and characterize the solid propellant paste• Design and develop extrusion-based 3D printer• Perform 3D printing and characterize the printed solid propellant grains.• Writing reports and technical articles
Emolument	Rs 37000 + 27% HRA
Contact	Dr. E. BALASUBRAMANIAN Associate Professor, Department of Mechanical Engineering, National Institute of Technical Teachers Training and Research (NITTTR), Ministry of Education, Government of India, Taramani, Chennai - 600113
How to Apply	Please send your CV to : balasubramanian@nitttrc.edu.in in the subject mentioning JRF – DRDO Project. Only short-listed candidates will be called for an interview based on their experience relevant to this project. Last date of receipt of email is on or before 21 st January 2024
Age limit	Not more than 28 years. Age relaxation will be provided as per Govt. of India norms. Attach Proof