

DRUSE

DRDO Robotics & Unmanned Systems Exposition

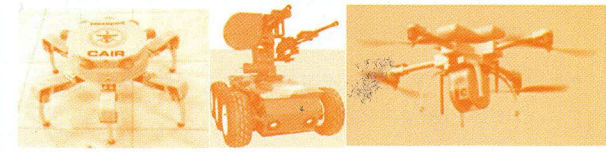
For Indian Engineering students



The challenge begins.....

14th October 2017

As a part of Diamond Jubilee Celebrations



DRDO Labs working on
Robotics & Unmanned Systems
ADE, CAIR, CVRDE, NSTL, R&DE(E), VRDE



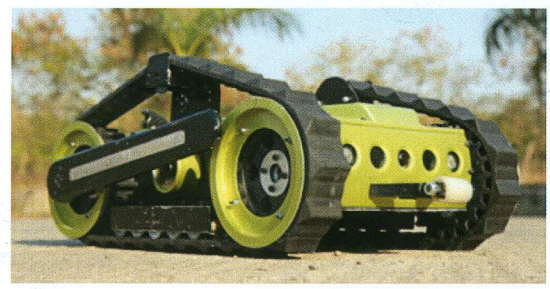
Defence Research & Development Organisation

Research & Development
Establishment (Engineers), Kalas,
Alandi Road, Dighi, Pune - 411015. Fax: +91-020-27044009
Maharashtra, India Email: director@rde.drdo.in

Schedule



Registration opens	14 Oct 2017
Last date for submission of proposals	15 Dec 2017 15 JAN 18
1st level screening results	31 Jan 2018
Zonal level screening	24 Mar to 15 Apr 2018
Zonal level results	16 Apr 2018
National level screening	10 May 2018
Award ceremony	11 May 2018



For details refer website: <https://rac.gov.in/druse>

Web portal designed & developed by RAC, Delhi

About DRUSE

Defence Research and Development Organization (DRDO) aims to harness the multifaceted talent available in the country on Robotics and Unmanned systems to create a platform for the development of futuristic defence systems. The objective of this exposition is to identify and subsequently nurture novel ideas in different parts of our country.

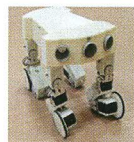
Let us all join together and contribute in this nationwide effort to develop future unmanned defence systems.

Who can participate

Any Indian Engineering student currently pursuing UG or PG course in IIT/NIT/IISc or from any college /institute/university recognized by AICTE/NAAC.

Motivation & Incentive

- Award & prize money
 - ◆ 1st Prize ₹ 1.5 Lakh
 - ◆ 2nd Prize ₹ 1.0 Lakh
 - ◆ 3rd Prize ₹ 0.5 Lakh
- National level recognition & visibility for all participants.
- Possibility to work with DRDO on cutting edge technologies.



Themes

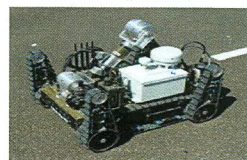
The theme based Exposition is aimed to harness the potential ideas/concepts/technologies in any form (nascent, under development or developed) available nationwide with students. The proposed themes are as follows:

1. Mountain Climbing Robot
2. Mobility in Snow bound Area
3. Soldier Assistance vehicle
4. Casualty Evacuation
5. Exoskeleton
6. Surveillance of a Ship
7. Self-Concealing UGV
8. Mobility on water, land and air
9. Underwater Survey system
10. Surveillance in Multi Storey building
11. Battlefield debris clearance
12. Mine detection and clearance
13. Robotic Assistive Device for divyang persons
14. Any other defence applications for Robotics and Unmanned Systems not covered above.



What can be exhibited

- Innovative ideas
- Concepts through graphics
- Concepts/technologies depicted through 2D/3D models
- Simulation or Animation
- Concept paper presentation
- Mock up/working models
- Prototype
- Posters



Screening of Proposals

The zonal level of screening shall be carried out at zonal centres shown below :

Zone	States included in the zone
North	J&K, Himachal Pradesh, Delhi, Chandigarh, Haryana, Punjab, Uttar Pradesh, Uttarakhand,
South	Andhra Pradesh, Kerala, Tamil Nadu, Karnataka, Telangana, Andaman & Nicobar Islands, Puducherry, Lakshadweep
North-East	Assam, Manipur, Meghalaya, Mizoram, Nagaland, Sikkim, Tripura, Arunachal Pradesh
East	Bihar, Odisha, West Bengal, Jharkhand
West	Dadra Nagar & Haveli, Rajasthan, Daman & Diu,, Gujarat,
Central	Madhya Pradesh, Chhattisgarh, Goa, Maharashtra

The national level screening shall be carried out at DRDO Hqr, DRDO Bhavan, New Delhi.

