

ONLINE QA SESSION TO FACILITATE DISC 5 ASPIRANTS SEEKING CLARIFICATION ON DISC 5 CHALLENGES

(DISC 5 aspirants can send their Queries on the email ID given below. Also an online QA session is planned as per schedule given below)

Nodal Agency/ Challenge Owners	Challenge	Email ID of Nodal Agency for any query on the challenge	Date & Time of online QA session	Webex Links
Indian Army	1. Situational Awareness for Mechanised Columns 2. Augmented Reality / Virtual Reality based Sortie Preparation Aid for Helicopter Pilots 3. Artificial Intelligence based Radio Frequency Spectrum Management 4. Precision Guided Kit for 81 mm Mortar Ammunition 5. Silent Overwatch for Infantry Combat Vehicles using Fuel Cell / Alternate Fuel based Auxiliary Power	To : adb.fdfmn@gov.in Cc : idexdio@ddpmod.gov.in	14 Sep 21 1030 hrs to 1130 hrs	https://idex-dio.webex.com/idex-dio/j.php?MTID=m6e93152218477b3cd264c59b36afc6e7
Indian Air Force	6. Development of Part Task Trainer for Mirage 2000 Upgrade aircraft. 7. Development of Wide Band HF Modem for Networked secure voice, data & Video Communication. 8. Infusion of Augmented reality in Technical Type training and Usage of Smart glasses to assist Technicians.	To : aero.design@gov.in Cc : idexdio@ddpmod.gov.in	13 Sep 21 1200 hrs to 1300 hrs	https://idex-dio.webex.com/idex-dio/j.php?MTID=mb5825254037f5c6da9d321ae9b924d4e
Indian Navy	9. Non -lethal Devices for stopping Vessels at Sea.	To : doi-navy@nic.in Cc : idexdio@ddpmod.gov.in	14 Sep 21 1200 hrs to 1300 hrs	https://idex-dio.webex.com/idex-dio/j.php?MTID=mf426fa1bbd0b61cac197dd454e1ad531

	<p>10. Enhancing Underwater Domain Awareness (UDA) by the use of Artificial Intelligence/machine Learning or other Novel Techniques.</p> <p>11. Private 5g Network for Machine-to-Machine Communication for Indian Navy.</p> <p>12. Development of inertial energy storage system for naval applications.</p> <p>13. Miniaturisation for implementation on mini and micro drones and drone SWARMS.</p>			
HAL	<p>14. Image recognition and target tracking and non-cooperative collision avoidance systems for UAVs.</p> <p>15. Miniaturization of electronics modules by use of low power industrial devices and ruggedized hardware and software components.</p> <p>16. Development of a bore-sighting / alignment system for SU -30 MKI aircraft sensors, tray and weapon adaptors.</p> <p>17. Development of Artificial Intelligence based training modules for technicians for operation and maintenance of SU – 30 MKI aircraft.</p> <p>18. Development of Structural Health Monitoring (SHM) system for SU-30 MKI aircraft – Stabilizer using photonic system.</p>	<p>To : s.rama@hal-india.com Cc : idexdio@ddpmod.gov.in</p>	<p>15 Sep 21 1200 hrs to 1300 hrs</p>	<p>https://idex-dio.webex.com/idex-dio/j.php?MTID=mc3a8bbe4b8e255aed9ce5fd7d60f95c4</p>

	<p>19. Design and Development of Spark plug part no SP 87PA of AL-31FP aero engine.</p> <p>20. Development of Software module for audio data compression and decompression compatible with ADSP21060 and ARM (Cortex 7 series) processors.</p> <p>21. Adaptive Data Rate Modem for Wireless Mobile Ad-Hoc Network.</p> <p>22. FM CW Real Time RADALT Tester.</p>			
BEL/MDL	<p>BEL</p> <p>23. Motion Pattern Classification on online/active data.</p> <p>24. Find out the overlapping percentage of two 3D objects and display of combined geometry.</p> <p>25. Helmet mount Conformable antenna.</p> <p>MDL</p> <p>26. Robotic Arm for inspection, cleaning and painting of tanks on ships to save on time, cost and avoid accidents</p>	<p>To : athirijasharmila@bel.co.in Cc : idexdio@ddpmod.gov.in</p> <p>To : anabira@mazdock.com Cc : idexdio@ddpmod.gov.in</p>	<p>16 Sep 21 1230 hrs to 1330 hrs</p>	<p>https://idex-dio.webex.com/idex-dio/j.php?MTID=m994c969c158d30248ec40f9e181bc4cd</p>
MIDHANI/GRSE/ HSL	<p>MIDHANI</p> <p>27. Development of fast & economical cutting machines for Metal Bars above dia 400mm</p> <p>28. Development of Automation and Data capturing in a quality control lab</p> <p>29. Development of NDT technique for quality assessment of cast ingot</p>	<p>To: drrajashekar@midhani-india.in Cc : idexdio@ddpmod.gov.in</p>	<p>17 Sep 21 1200 hrs to 1300 hrs</p>	<p>https://idex-dio.webex.com/idex-dio/j.php?MTID=m6a597a47f1737e1c20cc1e8b4514b05b</p>

	<p>GRSE 30. Design of Active Roll Stabilization System for Naval Ships 31. Development of an AI enabled Robot to carry out Phased Array Ultrasonic Inspection on curved/straight ship Hull structure 32. Low Insulation observed on parallel DC Supply 33. Low Insulation of Galley Equipment Observed during operation on board ships</p> <p>HSL 34. EMI/EMC shielding for bridge window glasses on Naval Ships. 35. Development of NVG compatible Lighting and heli visual landing aids for use onboard ships</p>	<p>To: Sengupta.Bhaskar@grse.co.in Cc : idexdio@ddpmod.gov.in</p> <p>To: dgmmdo@hslvizag.in Cc : idexdio@ddpmod.gov.in</p>		
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Youtube Channel Link: - <https://www.youtube.com/channel/UCaE5mORhv2R9FctxP9ZqQfA>