

राजीव गांधी प्रौद्योगिकी विश्वविद्यालय
(मध्यप्रदेश का तकनीकी विश्वविद्यालय)

एयरपोर्ट रोड, गांधीनगर, भोपाल (म.प्र.)-४६२०३३

फोन : ०७५५-२६७८८७०

फैक्स : ०७५५-२७४२००६

ईमेल : dsw@rgpv.ac.in

वेबसाइट : www.rgpv.ac.in



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क्रमांक/रा.गां.प्रौ.वि./अधिष्ठाता छात्र कल्याण/2026/742

भोपाल, दिनांक ०१/०९/२०२६

// सूचना //

प्रति,

समस्त प्राचार्य/संचालक

विश्वविद्यालय से संबंध इंजीनियरिंग/फार्मसी

एम.सी.ए./आर्किटेक्चर/पत्रोपाधि महाविद्यालय

मध्य प्रदेश

विषय :- ड्रोन फेडरेशन ऑफ इंडिया और भारत सरकार के इलैक्ट्रॉनिक्स और आई.टी. मंत्रालय द्वारा आयोजित भारत की सबसे बड़ी ड्रोन प्रतियोगिता NIDAR2026-27 (द्वितीय संस्करण) में छात्रों को भाग लेने के लिए प्रोत्साहित करने बावत्।

संदर्भ :- 01 - मध्यप्रदेश शासन, तकनीकी शिक्षा, कौशल विकास एवं रोजगार विभाग, मंत्रालय, वल्लभ भवन भोपाल का पत्र क्रमांक 1635/File NO. 4/2/6/0351/2026-Section-2-42(TSE)e-1479578, भोपाल दिनांक 21/08/26

02 - ड्रोन फेडरेशन ऑफ इंडिया और भारत सरकार के इलैक्ट्रॉनिक्स और आई.टी. मंत्रालय का पत्र दिनांक 27/07/2026।

कृपया संदर्भित पत्रों का अवलोकन कर हार्टफुलनेस ड्रोन फेडरेशन ऑफ इंडिया और भारत सरकार के इलैक्ट्रॉनिक्स और आई.टी. मंत्रालय द्वारा आयोजित भारत की सबसे बड़ी ड्रोन प्रतियोगिता NIDAR2026-27 (द्वितीय संस्करण) में छात्रों को भाग लेने के लिए प्रोत्साहित करने के लिये प्राप्त दिशा-निर्देशा के अनुरूप कार्यवाही सुनिश्चित करें। संलग्न पत्रों में प्राप्त निर्देशानुसार उपरोक्त कार्यवाही की जाना आपेक्षित है।

संलग्न :- संदर्भित पत्र।

(डॉ. के.टी.चतुर्वेदी)

अधिष्ठाता छात्र कल्याण

राजीव गांधी प्रौद्योगिकी विश्वविद्यालय

भोपाल

भोपाल, दिनांक ०१/०९/२०२६

क्रमांक/रा.गां.प्रौ.वि./अधिष्ठाता छात्र कल्याण/2026/743

प्रतिलिपि

01 माननीय कुलपति महोदय के निज सचिव की ओर माननीय के अवलोकनार्थ।

02 कुलसचिव के निजसहायक की ओर सूचनार्थ।

03 पोर्टल पर प्रदर्शित करने हेतु समस्त संबंध महाविद्यालयों के सूचनार्थ एवं पालनार्थ।

(डॉ. के.टी.चतुर्वेदी)

अधिष्ठाता छात्र कल्याण

राजीव गांधी प्रौद्योगिकी विश्वविद्यालय

भोपाल

मध्यप्रदेश शासन,
तकनीकी शिक्षा, कौशल विकास एवं रोजगार विभाग,
मंत्रालय, बल्लभ भवन, भोपाल- 462004
-0-

क्रं 1635 /File No.:4/2/6/0351/2026-Section-2-42(TSE) E-1479578, भोपाल, दिनांक 21-08-2026
प्रति,

- | | | | |
|---|--|---|--|
| 1 | आयुक्त,
तकनीकी शिक्षा संचालनालय
भोपाल, म.प्र.। | 2 | संचालक,
कौशल विकास संचालनालय,
भोपाल, म.प्र.। |
| 3 | कुल सचिव,
राजीव गांधी प्रौद्योगिकी
विश्वविद्यालय, गांधी नगर,
भोपाल। | 4 | मुख्य कार्यपालन अधिकारी,
ग्लोबल स्किल पार्क (जीएसपी)
गैस राहत आईटीआई परिसर,
गोविन्दपुरा, भोपाल। |

विषय:-Request for Encouraging Students to Participate in NIDAR 2026-27 2nd
Edition of India's Largest Student Drone Competition hosted by Drone Federation
India & Ministry of Electronics & IT, Govt of India.

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उपरोक्त विषयांतर्गत ड्रोन फेडरेशन इंडिया (DFI) से प्राप्त पत्र दिनांक 27.07.2026 एवं सहपत्रों की छायाप्रति
संलग्न प्रेषित है।

कृपया प्राप्त पत्र अनुसार योजना का प्रचार-प्रसार कर विद्यार्थियों को लाभांशित करवाये जाने हेतु
नियमानुसार आवश्यक कार्यवाही सुनिश्चित करने का कष्ट करें।

संलग्न:- उपरोक्तानुसार।

Digitally signed by
Dr.Santosh Kumar Gandhi
Date: 21-08-2026
17:06:07

(डॉ. एस.के.गाँधी)
विशेष कर्तव्यस्थ अधिकारी,
मध्यप्रदेश शासन,
तकनीकी शिक्षा, कौशल विकास एवं रोजगार विभाग

35w
Rey 1688
11/09/26

27th July 2026

To,
Mr. Girish Sharma, IAS
Additional Secretary
Govt of Madhya Pradesh

Address: Department of Technical Education, Skill
Development & Employment, Vallabh Bhavan,
Mantralaya, Bhopal, Madhya Pradesh, 462004 | **Phone:**
0755-2986606

Shri Rakshi ji
for y/a please as
per norms
P. Prasad

Subject: Request for Encouraging Students to Participate in NIDAR 2026-27
2nd Edition of India's Largest Student Drone Competition hosted by
Drone Federation India & Ministry of Electronics & IT, Govt of India

Respected Sir/Madam,

Drone Federation India (DFI) is a non-government, non-profit, industry-led body working to build and promote India's drone and counter-drone ecosystem. **DFI represents over 550 drone startups and over 5,500 drone pilots**, and works with industry, academia, government, and civil society to support policy, skilling, adoption, and innovation.

DFI, in partnership with the Ministry of Electronics and IT (MeitY), has launched the **2nd edition of the National Innovation Challenge for Drone Application & Research**. The Problem Statements and Official Rulebook of the competition were launched on 13th July 2026 by **S. Krishnan, Secretary, MeitY**, in the presence of senior officials from Government, Industry & Academia.

The **1st edition saw participation of 3,448 students from 109 cities across 22 States & 4 Union Territories**. Student teams built drone solutions for solving real-world problem statements in Disaster Management and Precision Agriculture and competed for **cash prizes worth ₹40 lakh**.

This year's edition features 3 new problem statements for development of: (a) **autonomous swarm drones for disaster management**, (b) **GPS-denied indoor navigation drones**, and (c) **indigenous flight controller powered by India's VEGA processor**.

Participants will also benefit through various industry mentorship sessions and technical workshops being planned. **Winners shall receive cash prizes worth ₹65+ lakh along with drone components, internship opportunities, incubation support, and software and cloud credits.**

We request your office to circulate this communication to all relevant technical colleges and institutions from your state and encourage them to participate in this competition.

NIDAR offers a unique opportunity for students to enhance their technical capabilities, gain industry exposure, and contribute to India's vision of **Viksit Bharat** by advancing indigenous drone innovation.

Thank you for your attention and support in this regard.

Attachments:

1. Concept Note for Circulation
2. Competition Posters

Warm Regards,

Smit Shah

Smit Shah

President

Drone Federation India (DFI)

Competition Details:

www.nidar.org.in





Concept Note for NIDAR 2026-27

**National Innovation Challenge for Drone Application & Research
Under the SwaYaan initiative of MeitY, the Government of India**

Background:

The National Innovation Challenge for Drone Application & Research 2025-26 (NIDAR 2025-26) is organised by Drone Federation India (DFI) in collaboration with the Ministry of Electronics and Information Technology (MeitY) under Project SwaYaan, as a national platform for student-led innovation in drone technologies.

The first edition of NIDAR was launched by the Secretary, MeitY, in the presence of the Chairman, AICTE, and leading industry stakeholders, and attracted **participation from 3,448 students across 22 States and 4 Union Territories, spanning 109 cities.**

The problem statements of the 1st Edition of the competition focused on **Disaster Management and Precision Agriculture** and successfully demonstrated the importance of hands-on innovation, indigenous capability development, and real-world problem-solving through drones.

93 teams qualified for the Grand Finale in the 1st Edition, culminating in the recognition of 24 winners, who received prizes worth ₹40 lakh and several other goodies.

NIDAR 2026-27:

Building on the success and national response, this year's competition is envisioned as a **larger national innovation platform to advance autonomous drone systems, indigenous avionics, autonomous navigation, and critical drone components.**

The **next phase of drone innovation** will be shaped not only by airframes but also by **autonomy stacks, embedded avionics, flight controllers, secure communication, mission software, and indigenous electronic subsystems.**

With the rapid growth of India's drone ecosystem and the increasing strategic importance of autonomous systems, **there is a strong need to encourage student-led innovation in areas such as GPS-denied navigation, collaborative drone operations, indigenous flight-control systems, and core electronic design.**

Objectives of NIDAR 2026-27

- To create a national innovation platform for student-led research and development in autonomous drone systems and indigenous avionics.

- 
- To promote innovation in collaborative drone systems, GPS-denied navigation, indoor autonomy, and mission planning technologies.
 - To encourage indigenous design and development of drone flight controllers, processors, and critical electronic subsystems.
 - To strengthen collaboration between academia, government, defence, and industry.
 - To provide students with hands-on exposure to real-world operational and strategic challenges in drone operations.
 - To support India's vision of technological self-reliance and indigenous capability development in emerging technology sectors.

Mission 1 - NIDAR RescueSwarm

Under this challenge, teams will be required to develop **two or more fully autonomous collaborative drones capable of identifying survivors, geotagging locations, and delivering medical or survival kits within a disaster-affected area without relying on external communication networks**. The challenge focuses on multi-drone coordination, autonomous mission execution, collaborative scouting, and aid delivery in time-critical emergency scenarios.

Mission 2 - NIDAR AirMouse

This challenge focuses on **autonomous indoor drone navigation in GPS-denied environments**. Teams will **develop autonomous aerial systems capable of navigating confined indoor spaces, generating 2D or 3D maps, detecting survivors, and tagging survivor locations inside damaged or collapsed structures**. The challenge promotes innovation in indoor autonomy, mapping, obstacle avoidance, and localisation technologies for disaster response and industrial inspection applications.

Mission 3: NIDAR VEGAPilot

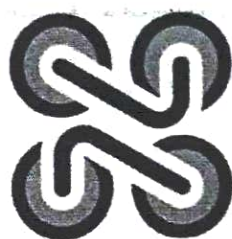
Under this challenge, teams will be required to **design and develop an indigenous drone flight controller and autopilot system built around the VEGA Processor platform**. The challenge aims to encourage innovation in integrating indigenous processors, autopilot architectures, embedded systems, mission planning, and reliable drone control systems, all using **non-Chinese electronic components**. Teams will demonstrate stable flight, mission execution, telemetry integration, and autonomous operations on standard multirotor platforms.

As part of the selection process, teams will submit detailed technical proposals and participate in online technical evaluations before a jury panel. Based on this evaluation, **only the top 100 teams across the country will be shortlisted and provided with two VEGA Processors each for development, testing, and final integration**.

This mission is expected to significantly strengthen India's indigenous drone electronics ecosystem and advance domestic capabilities in flight control systems, embedded avionics, and semiconductor-linked drone technologies.



इलेक्ट्रॉनिक्स एवं
सूचना प्रौद्योगिकी मंत्रालय
MINISTRY OF
ELECTRONICS AND
INFORMATION TECHNOLOGY



NIDAR

NATIONAL INNOVATION CHALLENGE FOR
DRONE APPLICATION AND RESEARCH

REGISTER NOW FOR INDIA'S LARGEST STUDENT DRONE COMPETITION

Mission 1

RescueSwarm



Build autonomous drones. Find survivors. Deliver critical aid.

Mission 2

AirMouse



Build an indoor navigation drone. Map the unknown. Find survivors.

Mission 3

VEGAPilot



Build indigenous drone autopilot powered by India's VEGA Processor.

Win prizes worth

INR 65+ LAKHS

Get mentorship, industry access, incubation opportunities, and national recognition.

REGISTER NOW



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इलेक्ट्रॉनिक्स एवं
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MINISTRY OF
ELECTRONICS AND
INFORMATION TECHNOLOGY



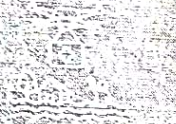
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NATIONAL INNOVATION CHALLENGE FOR
DRONE APPLICATION AND RESEARCH

REGISTER NOW FOR INDIA'S LARGEST STUDENT DRONE COMPETITION

Mission 1

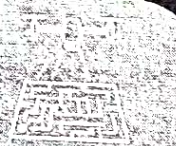
RescueSwarm



Build autonomous drones. Find survivors. Deliver critical aid.

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AirMouse



Build an indoor navigation drone. Map the unknown. Find survivors.

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VEGA Pilot



Build indigenous drone autopilot powered by India's VEGA Processor.

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