



राजीव गाँधी राष्ट्रीय विमानन विश्वविद्यालय RAJIV GANDHI NATIONAL AVIATION UNIVERSITY (RGNAU)

PH.D. ADMISSION NOTICE: 2025-26

The Rajiv Gandhi National Aviation University (RGNAU) was established by an Act of Parliament called the “Rajiv Gandhi National Aviation University (RGNAU) Act, 2013” (No. 26 of 2013) having its headquarters at Fursatganj, District Amethi, Uttar Pradesh, India.

The University has been envisaged as the premier institution of higher learning within the aviation milieu aimed at providing cutting edge and critical research to enhance the aviation industry in India.

The Act of Parliament empowers the University to award Diploma, Undergraduate, Postgraduate and PhD Degrees in the field of aviation and allied disciplines. At the same time collaborations and cooperation with the leading national and international universities/institutions in the aviation domain, are being forged towards offering global knowledge that is customized to local requirements.

RGNAU is a student friendly campus to ensure that the students are provided with the best opportunities that are needed to create outstanding pool of human resources to meet the global challenges in all spheres.

I. IMPORTANT GUIDELINES FOR Ph.D APPLICATION

Online applications are invited for admission to the PhD Programs for the Spring Semester-2025-26 in the disciplines of:

- a. Aerospace Engineering & Aviation Sciences
- b. Electronics & Communication Engineering- Avionics
- c. Management Studies
- d. Aviation Management and Aviation Sciences

Admission to PhD Programs shall be provided under following categories:

- i. Regular Assistantship
- ii. Individual Fellowship (CSIR/UGC/DBT/INSPIRE/ICMR, etc.)
- iii. Sponsored
- iv. Project
- v. University Employee
- vi. Foreign National

A Ph.D. student in the Regular with Assistantship category (University research student) is eligible for getting University Research Fellowship as approved by the Ministry of Science & Technology, Department of Science & Technology, Government of India.

A Ph.D. student in the Individual Fellowship category is one who joins the Ph.D. program of the University as an individual student and enjoys either the UGC/CSIR/DBT/INSPIRE or any other Fellowship instead of the University Research Fellowship.

A Ph.D. student in the Sponsored category (Sponsored research student) is one who is sponsored by an organization of repute for the Ph.D. program.

A Ph.D. student in the Project category (Project research student) is one who works either as a Research Fellow (JRF or SRF) or as a research staff (SRA, JSO, SSO) on a sponsored project operating in the University.

A Ph.D. student in the University-Employee category (University Employee research student) is a permanent employee of the University, who is sponsored by the University for the Ph.D. program.

A non-Indian Ph.D. student belongs to the Foreign National category (Foreign research student).

II. HOW TO APPLY

All candidates are advised to carefully read the eligibility criteria before applying for the program. Since all the applications will be screened/shortlisted based on data submitted by the candidates in the online application form, hence, candidates must satisfy themselves with the suitability for the program to which they are applying. If at any stage, it is found that candidates have furnished false or wrong data/ information, their candidature/ admission will be rejected/ cancelled.

Application once submitted successfully cannot be altered/ resubmitted under any circumstances. Further, no request with respect to making changes in any data/ particulars entered by the candidate in the Online Application will be entertained. Therefore, please keep all data/ information ready before starting to fill up the Application Online. Please note that a candidate should submit only one application. Duplicate applications will be summarily rejected, and no refund will be processed.

Application for Admission to Ph.D. Program for SPRING SEMESTER 2025-2026

[CLICK HERE TO APPLY ONLINE](#)

III. INSTRUCTIONS TO COMPLETE ONLINE APPLICATION FORM:

STEP-I: Fill in the ONLINE application form

Register with Your Email Id and Login. FILL in the appropriate data. Please note that you must upload your testimonials wherever it is required to validate your information along with your digital photograph and signature.

STEP-II: Make PAYMENT and SUBMIT Application

Payment of application fee must be made through online payment gateway only.

STEP-III: Take PRINT

After final submission of your online application, you will be able to generate your online application printed with your specific details/data. This application printout may be retained with you for future requirements.

Please note that you NEED NOT SEND the application by post. Your application will be considered based on your final submission online.

The candidates shortlisted for test & interview will be informed through email only. Their names may be notified on the webpage of the University.

IV. ELIGIBILITY CRITERIA FOR ADMISSION

I. For Aerospace Engineering

- a. M. Tech. or MS (Research) degree in Aerospace/ Aeronautical, Mechanical or allied disciplines with a minimum of 55% marks in aggregate or its equivalent grade on a 10-point scale grading system with a valid GATE score.

OR

- b. B.E./ B.Tech. degree in Aerospace/Aeronautical, Mechanical, or allied disciplines are eligible to apply with a minimum of 75% marks in aggregate or its equivalent grade on a 10-point scale grading system with valid GATE Score.

II. For Electronics & Communication Engineering

- i. M. Tech. / M.E./ MS in Electronics/ Electronics & Communication/ Electronics & Telecommunication/ Electronics & Instrumentation/ Instrumentation/ Instrumentation & Control/ Electronics & Electrical Engineering/ Computer Science Engineering/ Information Technology/ Mathematics & Computing/ Artificial Intelligence /Machine Learning or allied areas with a minimum of 55% marks in aggregate or equivalent grade on a 10-point scale with valid GATE Score. **OR**

B. Tech / B.E. or equivalent degree in Electronics/ Electronics & Communication/ Electronics & Tele-communication/ Electronics & Instrumentation/ Instrumentation/ Instrumentation & Control/ Electronics & Electrical Engineering/ Computer Science Engineering/ Information Technology/ Mathematics and Computing/ Artificial Intelligence/ Machine Learning or allied areas with a minimum of 75% marks in aggregate or equivalent grade on a 10-point scale with valid GATE score. **OR**

M. Sc. in allied area above or allied areas with a minimum of 55% marks in aggregate or equivalent grade on a 10-point scale with valid GATE Score.

III. For Management Studies

Master's degree or equivalent in Management or in allied discipline/area with a minimum of 55% marks in aggregate or its equivalent grade on a 10-point scale with NET Fellowship or with valid GATE score. **OR**

Bachelor's degree in Engineering discipline or in allied discipline/area with a minimum of 75% marks or 7.5 CPI with valid GATE score.

Note:

- i. All the degrees should be recognized by the University Grants Commission/All India Council of Technical Education or any Institution of National Importance.
- ii. A relaxation of 5% marks or its equivalent grade is allowed for those belonging to SC/ST/OBC (non-creamy layer)/ Differently Abled, Economically Weaker Section (EWS) and other categories of candidates as per the decision of the UGC from time to time.

V. SANCTIONED SEATS FOR PHD PROGRAMS

The sanctioned seats for PhD Programs in Spring Semester-2026 are as under:

Sl. No.	Departments	Total	GEN	EWS	OBC (NCL)	SC	ST
1	Aerospace Engineering & Aviation Sciences	25	11	02	07	04	01
2	Electronics & Communication Engineering- Avionics						
3	Management Studies						

VI. DEPARTMENT-WISE RESEARCH AREAS FOR PH.D. PROGRAMS:

The discipline-wise Research Areas in the Ph.D. programs offered at RGNAU for the Academic Session 2025-26 are as under:

Sl. No.	Departments	Research Areas
1	Aerospace Engineering & Aviation Sciences	1. Structures c. Experimental Solid Mechanics, Fracture and Fatigue d. Structural behaviour of natural and bio-inspired composites e. Composite Materials and smart structures f. Material Characterization g. Finite element modelling of stiffened composite structures h. Uncertainty quantification of composite structures i. Structural Dynamics j. Aeroelasticity 2. Aerodynamics a. Experimental Aerodynamics b. Microfluidics c. Computational fluid Dynamics d. Fluid-Structure interactions 3. Propulsion a. Electrohydrodynamic Thrusters b. Combustion c. Liquid atomization and spray combustion d. Multiphase flows e. Heat Transfer

Sl. No.	Departments	Research Areas
2	Electronics & Communication Engineering-Avionics	Reconfigurable Metamaterials/Meta surfaces for 6G and THz communication, Smart absorbers for secure IoT and wireless nodes, Stealth Technology in Aerospace, Electromagnetics, AI/ML-assisted electromagnetic device design, Frequency-selective surface, and Radar cross-section reduction. Signal Processing, Deep Learning and Machine Learning/AI, and Performance Analysis for Beyond 5G/6G, Wireless Communication: Massive MIMO, Cell-Free Massive MIMO, NOMA, Advanced Channel Modulation (MBM, QCM, OTFS, OTSM etc.), Reconfigurable Intelligent Surfaces (RIS/IRS) for 6G, Quantum Communications, Deep Unfolding, Hyperparameter-Free and Nature-Inspired Learning for next generation wireless communication. Semiconductor device and Circuit Design modeling and simulation, compact model development for Process Design Kit (PDK) applications, and DC IV, RF, and noise characterization of on-wafer and packaged devices for advanced technologies development. Learning-based Control Systems, Multiagent Systems, Network Control Systems, Time Delay Systems, Control Theory and its Applications. AI, Machine Learning, IoT and Signal Processing, Health Care Analytic, Design of systems and their Application in Biomedical Engineering and Communication and Avionics. RF & Microwave Engineering: Tunable and Reconfigurable Microstrip Designing, Radio Frequency Matching Network, Energy Harvesting, Reconfigurable Software Defined Radio (SDR), Intelligent Reconfigurable Radio Platforms for UAV and Emergency Communications.
3	Management Studies	- Operations and Decision Sciences - Supply Chain Management - Pricing and Strategic Negotiations - Marketing Management - Human Resource Management and Organizational Behaviour - Other relevant topics related to Aviation Industry

VII. SELECTION CRITERIA

Admission to Ph D Program

- Admission will be based on Personal Interview/overall Academic Performance/ Written/Computer Test, as the case may be, of the candidates shortlisted by the department concerned.
- The candidates who have qualified for the Junior Research Fellowship Examination of Net/ SET with Fellowship shall be exempted from the Admission Test. The department may also consider exemption for the test for others as per the RGNAU Ordinance, 2020, if any.

WEIGHTAGE TO EACH SECTION FOR DECIDING CUT-OFF FOR ADMISSION

Candidates possessing qualifications as given at point-vi above are to be selected for admission to the PhD Programs based on following weightage:

Sl. No.	Particulars	Weightages
1	Overall Academic Performance	20%
2	Written/Computer Test	50%
3	Personal Interview	30%

However, University shall reserve right to exempt such category of candidate to appear in Written/ Computer Test as specified in the RGNAU Ordinance, 2020 or as decided by the Academic Council and Executive Council of the University from time to time.

Guidelines for scoring various components of a candidate's past academic performance will be as follows:

a. For candidates with M. Tech. or equivalent qualifying degrees:

Sl. No.	Examinations	Weightages
1	Higher Secondary	04%
2	B.Tech./M.Sc. or equivalent	06%
3	M. Tech./ MBA after B.Tech./equivalent	10%

b. For candidates with M.Sc. or equivalent qualifying degrees:

Sl. No.	Examinations	Weightages
1	Higher Secondary	04%
2	B. Sc/ B.A./ B. Com.	06%
3	B.Tech./ M.Sc.	10%

c. For candidates with B.Tech. or equivalent qualifying degrees:

Sl. No.	Examinations	Weightages
1	Higher Secondary	04%
2	B.Tech./Integrated M.Sc./M.B.B.S.	16%

Criteria for cut-off marks for OBC-NCL, SC, ST and PwD students for admission to the PhD Program of the University:

Sl. No.	Examinations	Weightages
1	For OBC-NCL candidates	90% of Unreserved (UR) candidate's cut-off marks
2	For SC/ST/PwD	66.67 % of Unreserved (UR) candidate's cut-off

VIII. RESERVATION TO SC/ST/OBC/EWS/PWD

- i. Reservation to the candidates of SC/ST/OBC/EWS/PwD shall be provided as per Government of India guidelines as amended from time to time.
- ii. A total of 15% seat shall be reserved for SC, 7.5% for ST, 27% for OBC and 10% for EWS candidates.
- iii. A 5% reservation (horizontal) shall apply for PwD candidates as per Govt. of India norms (minimum 40% disability; attested copy of the certificate from District CMO must be furnished).
- iv. The SC/ST/OBC/EWS certificates must be produced at the time of written test / interview in the prescribed form.
- v. In case of OBC (non-creamy layer) the certificate should be based on FY 2024-25 issued after March 31, 2025. The following authorities are empowered to issue the SC/ST/OBC/EWS certificate:
 - a. District Magistrate/Additional District Magistrate/ Collector/ Deputy Commissioner/ Addl. Deputy Commissioner/ Deputy Collector/ First Class Stipendiary Magistrate/ City Magistrate/ Sub-Divisional Magistrate/ Taluka Magistrate/ Executive Magistrate/ Extra Assistant Commissioner.
 - b. Chief Presidency Magistrate/ Additional Chief Presidency Magistrate/ Presidency Magistrate.
 - c. Revenue Officer not below the rank of Tehsildar.
 - d. Sub-Divisional Officer of the area where the candidate and/or his family normally resides.
 - e. Administrator/ Secretary to the Administrator/ Development Officer (Lakshadweep Islands).

IX. APPLICATION FEE

Applicants are required to apply online only. They will be required to pay the Application Fee (Non-refundable) as under:

Sl. No.	Category	Application Fee
1	UR/ OBC/EWS	500.00
2	SC/ ST/ PwD/ Women	NIL

The application fee once paid shall not be refunded nor adjusted with any other exam.

X. ADDITIONAL REQUIREMENTS FOR DIFFERENT ADMISSION CATEGORY

a. Regular University Assistantship

- i. A person who is in employment and is applying for University Assistantship and selected for admission, he/she must resign and produce the acceptance of resignation by the employer at the time of joining.
- ii. The value of the University Research Assistantship shall be as per Ministry of Science & Technology, Department of Science & Technology (DST), Government of India norms.
- iii. No Research Student shall be permitted to receive any emoluments, salary, stipend or any other scholarship/assistantship during the tenure of award.
- iv. Candidates who are having minimum qualifying degree as mentioned above should have to possess a valid GATE score, as decided by the Academic Council from time to time or NET qualification with FELLOWSHIP for award of University Research Assistantship.
- v. Candidates who have merely qualified in NET examination but have not got a fellowship will not qualify for University Research Scholarship.

b. Individual Fellowship (CSIR/UGC/DBT/ICAR/INSPIRE etc.)

- i. All candidates applying for Individual Fellowship category must have valid award letter with fellowship issued by the respective fellowship agency (i.e. CSIR/ UGC/ DST/DBT/ ICMR etc.).
- ii. Candidates admitted under Individual Fellowship category shall not be entitled to award of University Assistantship.

c. Sponsored

- i. People who possess the minimum prescribed qualifications mentioned above (without GATE/NET) and are in service in any of the following establishments with Minimum of two-year job experience shall be eligible for admission to the Ph.D. program as sponsored candidates:
 - a. Defence or other ministries of the Government of India or any other government organizations.
 - b. established industrial research and development organizations.
 - c. autonomous bodies and public undertakings.
 - d. universities/colleges.
 - e. reputed industries as may be recognized by the University.
- ii. An intending sponsored candidate must submit his/her application in prescribed form for admission through his/her employer, who will forward the same to the University with suitable endorsement.

- iii. A sponsored candidate selected for admission shall be required, at the time of joining the University, to produce certificate in the prescribed form from the employers to the effect: (i) that he/she has been officially released from his duties for purpose of joining the program and has been granted leave for the required period; (ii) that his services shall be retained with the employer.
- iv. In the case of a sponsored candidate admitted as such to the Ph.D. program, the minimum residential requirement is one semester at a stretch subject to successful completion of course work.
- v. A candidate sponsored by an industry, an R&D organization, educational institution or a government organization having adequate research facilities may be allowed to work externally subject to his/her fulfilling all such conditions prescribed in the Regulations.

Notes

- i. Department/ school may fix additional admission criteria without compromising the eligibility criteria mentioned here.
- ii. Mere fulfillment of eligibility criteria does not give guarantee for admission to the PhD program.

XI. FINANCIAL ASSISTANCE

Financial Assistance in the form of Institute Assistantship is available to the students admitted to Ph.D. programs under Full Time Regular Registration Category. Such students must have qualified GATE Score. The value of the University Research Assistantship shall be as per DST norms, which are currently as under:

1	First two years	Rs: 37000/- per month
2	Third, Fourth and Fifth year	Rs: 42000/- per month

XII. IMPORTANT DATES:

1	Commencement of Online application form submission	October 16, 2025
2	Closing of submission of online application	November 30, 2025
3	Tentative Date of Test/Personal Interview	1 st week of December 2025

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IMPORTANT DOCUMENTS

- **[RGNAU PhD ADMISSION NOTICE- 2025-26](#)**
- **[REGULATIONS RELATING TO THE PH.D. PROGRAM](#)**
- **[FEE STRUCTURE OF PHD PROGRAM](#)**

For queries, you can send an email to: **academic@rgnau.ac.in**