

APPENDIX-4**RAJIV GANDHI NATIONAL AVIATION UNIVERSITY
(A Central University)****BUILT-UP AREA REQUIREMENTS**

The Institution area is divided into,

1. Instructional area (INA, carpet area in square metres (m²)),
2. Administrative area (ADA, carpet area in m²),
3. Amenities area (AMA, carpet area in m²) and
4. Access and Circulation Area (ACA, carpet area in m²).

Total Built-up area in m² is equal to (INA+ADA+AMA + ACA).

In case of allied branches in UG programs, a maximum of 30% of Laboratories may be shared. For Post Graduate Programmes, Administrative area of Under Graduate Programmes may be shared. Institutions shall have the Barrier free environment and Sports facilities.

1. A. Instructional Area (Carpet Area) in Sq. m for:

(AICTE Approved) Engineering and Technology (Under Graduate/ Post Graduate Degree) Institutions

or

Engineering and Technology (Under Graduate/ Post Graduate Diploma /Post Graduate Degree/) Institutions

Particulars	Number of Rooms required	Carpet Area in Sq.m per Room
Class Rooms	Total Number of Divisions x 0.75	66 (for 60** candidates) / 33*
Tutorial Rooms+	25% of total Class Room	33
Laboratory for First Year	4 (which includes 2 Laboratories for Basic sciences)	66
Laboratory other than First Year	2 per Program per Year	66
Laboratory for Post Graduate Programs	1 per Program	66
	1 Research Laboratory	66
Workshop	1	200
Drawing Hall	1	132
Computer Centre	1	150
Seminar Hall	1	132
Library	1	400
Language Laboratory+	1	33

For Programs having more than 3 Divisions, additional Laboratories equivalent to the required number on pro rata basis for the said Programs shall be created.

* Applicable for Post Graduate program only.

** For DGCA program classroom strength should not exceed 30.

+ Language Laboratory shall have a minimum of 20 Computers with appropriate Software.

i) Under Graduate Laboratories, if shared with Post Graduate programs shall be upgraded to meet requirements of PostGraduate Curriculum.

ii) The Institution shall have one Smart Class Room/ Program with LCD projector, Smart Board, Internet Connection, etc. Institutions shall have facilities for conducting online classes (Theory and Practical)

iii) Seminar Hall shall have proper furnishing and equipment such as LCD projector, Smart Board, PA system and Executive Chairs.

iv) Institutions shall have MOOCs Facility Centre and Innovation/ Fab Laboratory.

1B. Instructional Area (Carpet Area) in Sq. m for:

(DGCA Approved) Sciences (Under Graduate/ Post Graduate Degree) Institutions
or

Sciences (Under Graduate/ Post Graduate Degree) Institutions

Particulars	Number of Rooms required	Carpet Area in Sq.m per Room
Class Rooms	Should be equal to total Number of Divisions	50 (for 60 candidates)(30 candidates for CPL cadets)
Tutorial Rooms+	25% of total Class Room	25
Laboratory for First Year	4 (which includes 2 Laboratories for Basic sciences)	50
Laboratory other than First Year	2 per Program per Year	50
Laboratory for Post Graduate Programs	1 per Program	50
	1 Research Laboratory	50
Workshop	1	150
Drawing Hall*	1	100
Computer Centre	1	100
Seminar Hall	1	100
Library	1	100
Language Laboratory+	1	25

For Programs having more than 3 Divisions, additional Laboratories equivalent to the required number on pro rata basis for the said Programs shall be created.

+ Language/Communication Laboratory shall have a minimum of 20 Computers with appropriate Software.

*Drawing hall optional for sciences

- i) Under Graduate Laboratories, if shared with Post Graduate Programs shall be upgraded to meet requirements of Post Graduate Curriculum.
- ii) The Institution shall have one Smart Class Room/ Program with LCD projector, Smart Board, Internet Connection, etc.
- iii) Institutions shall have facilities for conducting online classes (Theory and Practical)
- iv) Seminar Hall shall have proper furnishing and equipment such as LCD projector, Smart Board, PA system and Executive Chairs.
- v) Institutions shall have MOOCs Facility Centre and Innovation/ Fabrication Laboratory.

1C. Instructional Area (Carpet Area) in Sq. m for:

Management (AICTE-Approved)/Aviation Management (Diploma/ UG/PG Diploma/PG Degree Institutions)

Particulars	Number of Rooms required	Carpet Area in m2 per Room
Class Rooms	1 per Division	66
Tutorial Rooms	25% of total Class Room	33
Computer Centre	1	150
Seminar Hall	1	132
Library	1	100
Language/Communication Laboratory+	1	25

+ Language/Communication Laboratory shall have a minimum of 20 Computers with appropriate Software.

Each Class Room shall be equipped with LCD projector, Smart Board & Internet Connection.

Institutions shall have facilities for conducting online classes (theory and Practical)

Seminar Hall shall have proper furnishing and equipment such as LCD projector, Smart Board, PA system and Executive Chairs.

Institutions shall have MOOCs Facility Centre and Innovation Laboratory.

2. Administrative Area (Carpet Area) in m²

Particulars	Principal/ Director	Board Room	Office all inclusive	Cabin for Head of the Department	Faculty Rooms	Central Stores	Maintenance	Security	Housekeeping	Pantry for Staff	Examinations	Control Office	Placement Office
Carpet Area in m ² per Room	30	20	150* 300\$	20	5	30	10	10	10	10	30	30	
Number of Rooms required for new Technical Institution	1	1	1	-	First Year Student intake/ 15	1	1	1	1	1	1	-	
Total Number of Rooms	1	1	1	1/Depart ment	One per Faculty (as per norms) in the Institut ion	1	1	1	1	1	1	1	

\$ Institution having more than one Programme

* Institution having one Programme

3. Amenities Area (Carpet Area) in m²

Particulars	Toilets (Ladies/ Gents)	Boys Common room	Girls Common room	Cafeteria	Stationery store & Reprography	First Aid cum sick room	Principal's Quarters	Guest House	Sports Club/ Gymnasium	Auditorium	Boys Hostel	Girls Hostel
Carpet Area in m ² per Room for the Institution having more than one Programme	350*	100	100	150	10	10	150	30	200	400		
Carpet Area in m ² per Room for Institution having one Programme	150\$	75	75	150	10	10	150	30	100	250	Adequate^^	Adequate^^
Number of Rooms required for the new Institution	Adequate	1	1	1	1	1	-	-	-	-	-	-
Total Number of Rooms	Adequate	1	1	1	1	1	Desirable	Desirable	Desirable	Desirable	Desirable	Desirable

^^ The Hostel specifications should fulfil DGCA/AICTE norms for DGCA/AICTE programs.

4. Circulation Area in m²

Access and Circulation area (ACA) of 25% of sum of Instructional, Administrative and Amenities area is desired covering common walkways, staircases and entrance lobby.