



INDIA RANKINGS 2025

NATIONAL INSTITUTIONAL RANKING FRAMEWORK

Methodology for Ranking of Academic Institutions in India

(RANKING METRICS FOR MEDICAL)



Ministry of Human Resource Development

Summary of Ranking Parameters and Weightages- 2025

(Medical)

Sr. No.	Parameter	Marks	Weightage
1	Teaching, Learning & Resources	100	0.30
2	Research and Professional Practice	100	0.30
3	Graduation Outcomes	100	0.20
4	Outreach and Inclusivity	100	0.10
5	Perception	100	0.10

Sr.No.	Parameters	Marks
1.	Teaching, Learning & Resources (TLR) Ranking weight: 0.30	100
	A. Student Strength including Doctoral Students(SS): 20 marks B. Faculty-student ratio with emphasis on permanent faculty (FSR): 30 marks C. Combined metric for Faculty with PhD (or equivalent) and Experience (FQE): 20 marks D. Financial Resources and their Utilization (FRU): 30 marks	
2.	Research and Professional Practice (RP) Ranking weight: 0.30	100
	A. Combined metric for Publications (PU): 40 marks B. Combined metric for Quality of Publications (QP): 40 marks C. IPR and Patents: Published and Granted (IPR): 10 marks D. Footprint of Projects and Professional Practice (FPPP): 10 marks	
3.	Graduation Outcomes (GO) Ranking weight: 0.20	100
	A. Combined metric for Placement and Higher Studies (GPH): 25 marks B. Metric for University Examinations (GUE): 25 marks C. Metric for Number of PG Students Graduated (GPG): 30 marks D. Metric for Number of Super Specialty Student Graduated (GSS): 20 marks	
4.	Outreach and Inclusivity (OI) Ranking weight: 0.10	100
	A. Percentage Students from other States/Countries (Region Diversity RD): 30 marks B. Percentage of Women (Women Diversity WD): 30 marks C. Economically and Socially Challenged Students (ESCS): 20 marks D. Facilities for Physically Challenged Students (PCS): 20 marks	
5.	Perception (PR) Ranking weight: 0.10	100
	A. Peer Perception: Employers & Academic Peer (PR): 100 marks	

1. Teaching, Learning & Resources (TLR): 100 marks

- **Ranking weight: 0.30**

- **Overall Assessment Metric:**

$$\text{TLR} = \text{SS (20)} + \text{FSR (30)} + \text{FQE (20)} + \text{FRU (30)}$$

- **Component metrics based on :**

A. Student Strengths, including Ph.D. Students: SS

B. Faculty-Student Ratio with emphasis on permanent faculty: FSR

C. Combined metric for Faculty with PhD (or equivalent) and Experience: FQE

D. Financial Resources and Their Utilisation: FRU

A. Student Strength, including Ph.D. students (MS/MD/DNB/MCh/DM) (SS): 20 Marks

- $SS = f(N_T, N_E) \times 15 + f(N_P) \times 5$
- The functions $f(N_T, N_E)$ and $f(N_P)$ are functions to be determined by NIRF.
- N_T : Total sanctioned approved intake in the institution, considering all UG and PG programs of the institution.
- N_E : Total number of students enrolled in the institution, considering all UG and PG Programs of the institution.
- N_P = Total number of students enrolled for the doctoral program (MS/MD/DNB/MCh/DM) till the previous academic year.
- **Primary Data: To be provided in a prescribed Format.**

B. Faculty-Student Ratio with emphasis on permanent faculty (FSR): 30 marks

- $FSR = 30 \times [15 \times (F/N)]$
- $N = N_T + N_p$
- F: Full-time regular faculty in the institution in the previous year.
- Regular appointment means Faculty on a full-time basis. *Faculty on a contract basis/ad-hoc basis means Faculty which have taught in both semesters.*
- *Faculty will be considered if the concerned faculty has taught in both semesters of the academic year 2023-24.*
- Faculty members with Ph.D. and Master's degrees will be considered and counted here. Faculty members with a Bachelor's degree will not be counted.
- The expected ratio is 1:10 to score maximum marks.
- **For $F/N < 1:50$, FSR will be set to zero.**
- ***Primary Data: Faculty List to be provided in the Prescribed Format.***

C. Combined Metric for Faculty with PhD (or MS/MD/MDS/DNB/MCh/DM) and Experience (FQE): 20 marks

- $FQ = 10 \times (F_{RA}/95)$, $F_{RA} < 95\%$;
- $FQ = 10$, $F_{RA} \geq 95\%$.
- Here, F_{RA} is the percentage of Faculty with Ph.D. (or equivalent qualification) with respect to the total no. of faculty required or actual faculty, whichever is higher, in the previous year.
- Here, F is the percentage of Faculty with Ph.D. (or equivalent qualification) over the previous 3 years.

F1=Fraction with Experience up to 8 years;

F2= Fraction with Experience between 8+ to 15 years;

F3=Fraction with Experience > 15 years.

- **$FE = 3\min(3F1, 1) + 3 \min(3F2, 1) + 4 \min(3F3, 1)$**

Rationale: Full marks for a ratio of 1:1:1

- **$FQE = FQ + FE$**
- ***Primary Data: Faculty List in the Prescribed Format.***

D: Financial Resources and their Utilisation (FRU): 30 Marks

- **FRU = $7.5 \times f(BC) + 22.5 \times f(BO)$**
- BC: Average Annual Capital Expenditure per student for the previous three years pertaining to the medical discipline only. **(Excluding expenditure on construction of new buildings)**
- BO: Average Annual Operational (or Recurring) Expenditure per student for the previous three years pertaining to the medical discipline only. **(Excluding maintenance of hostels and allied services)**
- *Primary Data: Figures in the prescribed format for each activity.*

2. Research and Professional Practice (RP): 100 marks

- **Ranking weight: 0.30**

- **Overall Assessment Metric:**

$$\text{RP} = \text{PU (40)} + \text{QP (40)} + \text{IPR (10)} + \text{FPPP (10)}$$

- **The component metrics are explained on the following pages.**

A. Combined Metric for Publications: PU

B. Combined Metric for Quality of Publications: QP

C. IPR and Patents: Published and Granted: IPR

D. Footprint of Projects, Professional Practice: FPPP

A. Combined metric for Publications (PU): 40 marks

- **PU** = $40 \times f(P/F_{RQ})$
- *P* is the weighted number of publications as ascertained from suitable third-party sources.
- *F_{RQ}* is the maximum of the nominal number of faculty members as calculated based on a required FSR of 1:10 or the available faculty in the institution.
- **Sources: Third-party sources.**

B. Combined metric for Quality of Publications (QP): 40 Marks

- **$QP = 20 \times f(CC / F_{RQ}) + 20 \times f(TOP25P/P)$**
- Here, CC is the Total Citation Count over the previous three years.
- P is as computed for PU.
- *F_{RQ} is the maximum of the nominal number of faculty members as calculated based on a required FSR of 1:10 or the available faculty in the institution.*
- TOP25P: Number of citations in the top 25 percentile averaged over the previous three years.
- ***Primary Data: Third Party Sources.***

C. IPR and Patents: Patents Published and Granted (IPR): 10 marks

- **IPR = IPG + IPP**

$$\text{IPG} = 5 \times f(\text{PG})$$

- PG is the number of patents granted over the previous three years.

$$\text{IPP} = 5 \times f(\text{PP})$$

- PP: No. of patents published over the previous three years.

- ***Primary Data: Third Party Sources***

D. Footprint of Projects, Professional Practice (FPPP): 10 marks

- **FPPP = FPR + FBD**
- **FPR = 5 × f (RF)**
- RF is the average annual research funding earnings (amount actually received in rupees) per faculty at the institute level in the previous three years.
- **FBD = 5 × f (PBD)**
- PBD is the percentage of bed occupancy in a day.

3. Graduation Outcome (GO):100 marks

- **Ranking weight: 0.20**
- **Overall Assessment Metric:**
- **$GO = GPH (25) + GUE (25) + GPG (30) + GSS (20)$**
- **The component metrics are explained on the following pages:**
 - A. Combined metric for Placement and Higher Studies: GPH**
 - B. Metric for University Examinations: GUE**
 - C. Metric for Number of PG Students Graduated: GPG**
 - D. Metric for number of Super Specialty Students Graduated: GSS**

A. Combined Metric for Placement and Higher Studies (GPH): 25 marks

- **$GPH = 25 \times (N_p/100 + N_{hs}/100)$**
- N_p = Percentage of graduating students (in UG/ PG programs) placed in the previous three years.
- N_{hs} = Percentage of graduating students (in UG/ PG programs) who have been selected for higher studies in the previous three years.
- ***Primary Data: To be provided in a prescribed format***

B. Metric for University Examinations (GUE): 25 Marks

- $GUE = 25 \times \min [(N_g/80), 1]$
- N_g is the percentage of Students (as a fraction of the approved intake), averaged over the previous three years, passing the respective university examinations in the stipulated time for the program in which they are enrolled.
- *Primary Data: To be provided in a prescribed format.*

C. Metric for Number of PG Students Graduated (GPG): 30 Marks

- **$GPG = 30 \times f(N_{pg})$**
- N_{pg} = Average number of PG students (MD/MS/DNB) who graduated over the previous three years.
- ***Primary Data: To be provided in a prescribed format.***

D. Metric for Number of Super Specialty Students Graduated (GSS): 20 Marks

- $GSS = 20 \times f(Nss)$
- Nss = Average number of Super Specialty (MCh/DM) students graduated over the previous three years.
- *Primary Data: To be provided in a prescribed format.*

4. Outreach and Inclusivity (OI): 100 marks

- **Ranking weight: 0.10**
- **Overall Assessment Metric: $OI = RD(30) + WD(30) + ESCS(20) + PCS(20)$**
- **The component metrics are explained on the following pages:**
 - A. Percentage of Students from other States/ Countries (Region Diversity): RD**
 - B. Percentage of Women (Women Diversity): WD**
 - C. Economically and Socially Challenged Students: ESCS**
 - D. Facilities for Physically Challenged Students: PCS**

A. Percentage of Students from other States/ Countries (Region Diversity RD): 30 marks

- **RD = $25 \times$ fraction of total students enrolled from other states + $5 \times$ fraction of students enrolled from other countries**
- ***Primary Data: To be provided in the prescribed format.***

B. Percentage of Women (Women Diversity WD): 30 marks

- **$WD = 15 \times (N_{WS}/50) + 15 \times (N_{WF}/20)$**
- N_{WS} is the percentage of Women students.
- N_{WF} is the percentage of Women Faculty, including the women members in senior administrative positions, such as Heads of Departments, Deans, or Institute Heads.
- Expectation: 50% women students and 20% women faculty.
- ***Primary Data: To be provided in the prescribed format.***

C.Economically and Socially Challenged Students (ESCS): 20 marks

- $ESCS = 20 \times f(N_{esc})$
- N_{esc} is the percentage of UG students being provided full tuition fee reimbursement by the institution to pursue their degree programs.
- ***Primary Data: To be provided by the institution in a prescribed format.***

D. Facilities for Physically Challenged Students (PCS): 20 marks

- **PCS = 20 marks, if the Institute provides full facilities for physically challenged students, as outlined.**

Else, in proportion to facilities.

- Basis: Verifiable Responses to Questions.
- *Primary Data: To be provided in a prescribed format.*

5. Perception (PR) – 100 marks

- **Ranking weight: 0.1**
- **Overall Assessment Metric: PR = 100**
- **Component metrics are explained in the following pages:**
 - A. Peer Perception: Employers & Academic Peers (PR): 100 marks**

A. Peer Perception: Employers & Academic Peer (PR): 100 marks

- This is to be done through a survey conducted over a large category of Employers, Professionals from Reputed Organizations, and a large category of academics to ascertain their preference for graduates of different institutions.
- A comprehensive list will be prepared, taking into account various sectors, regions, etc.
- Lists to be updated periodically.