



INDIA RANKINGS 2024

NATIONAL INSTITUTIONAL RANKING FRAMEWORK

Methodology for Ranking of Academic Institutions in India

(RANKING METRICS FOR SKILL UNIVERSITIES)



Ministry of Human Resource Development

Summary of Ranking Parameters and Weightages- 2024

(Skill University)

Sr. No.	Parameter	Marks	Weightage
1	Teaching, Learning & Resources	100	0.40
2	Research and Professional Practice	100	0.15
3	Graduation Outcomes	100	0.25
4	Outreach and Inclusivity	100	0.10
5	Perception	100	0.10

Sr.No.	Parameters	Marks
1.	Teaching, Learning & Resources (TLR) Ranking weight: 0.40	100
	<ul style="list-style-type: none"> A. Student Strength (SS): 20 marks B. Faculty-student ratio with emphasis on permanent faculty (FSR): 25 marks C. Combined metric for Faculty Qualification and Experience (FQE): 20 marks D. Financial Resources and their Utilisation (FRU): 25 marks E. Metric for Vocational Certificate Courses: 10 marks 	
2.	Research and Professional Practice (RP) Ranking weight: 0.15	100
	<ul style="list-style-type: none"> A. Combined metric for Publications (PU): 20 marks B. Combined metric for Quality of Publications (QP): 20 marks C. IPR and Patents: Published and Granted (IPR): 40 marks D. Footprint of Projects and Professional Practice (FPPP): 20 marks 	
3.	Graduation Outcomes (GO) Ranking weight: 0.25	100
	<ul style="list-style-type: none"> A. Combined metric for Placement and Higher Studies (GPH): 35 marks B. Metric for University Examinations (GUE): 35 marks C. Median Salary (GMS): 20 marks D. Combined Metric for Placement & Entrepreneurship in Certificate Programs: 10 marks 	
4.	Outreach and Inclusivity (OI) Ranking weight: 0.10	100
	<ul style="list-style-type: none"> A. Percentage of 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
	<ul style="list-style-type: none"> A. Peer Perception: Employers & Academic Peer (PR): 100 marks 	

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

- **Ranking weight: 0.40**

- **Overall Assessment Metric:**

$$\text{TLR} = \text{SS (20)} + \text{FSR (25)} + \text{FQE (20)} + \text{FRU (25)} + \text{VCC (10)}$$

- **Component metrics based on :**

A. Student Strength: SS

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

C. Combined metric for Faculty Qualification and Experience: FQE

D. Financial Resources and their Utilisation: FRU

E. Metric for Vocational Certificate Course: VCC

A. Student Strength (SS): 20 Marks

- **$SS = f(N_T, N_E) \times 20$**
- The functions $f(N_T, N_E)$ 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.*
- ***Primary Data: To be provided in a prescribed Format.***

B. Faculty-Student Ratio with emphasis on permanent faculty (FSR): 25 marks

- **FSR = 25 × [15 × (F/N)]**
- $N = N_T$
- 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 will be considered if the concerned faculty has taught in both the semesters of academic year 2022-23.*
- Faculty members with Ph.D. and Masters will be considered and counted here. Faculty members with a Bachelor's degree will not be counted.
- Expected ratio is 1:15 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 Qualification 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.

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): 25 Marks

- **FRU = 6.25×f(BC) + 18.75×f(BO)**
- BC: Average Annual Capital Expenditure per student for the previous three years. **(Excluding expenditure on construction of new buildings)**
- BO: Average Annual Operational(or Recurring) Expenditure per student for the previous three years. **(Excluding maintenance of hostels and allied services)**

- *Primary Data: Figures in prescribed format for each.*

E. Metric for Vocational Certificate Course: VCC

- $VCC = 10 \times f(VC)$
- **VC: Vocational Certificate Courses offered by the institution in the last three years**
- *Primary Data: Figures in prescribed format for each.*

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

- **Ranking weight: 0.15**
- **Overall Assessment Metric:**
$$RP = PU(20) + QP(20) + IPR(40) + FPPP(20)$$
- **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: Patents Published and Granted: IPR**
 - D. Footprint of Projects and Professional Practice: FPPP**

A. Combined metric for Publications (PU): 20 marks

- $PU = 20 \times f(P/F_{RQ})$
- *P is a weighted number of publications as ascertained from suitable third-party sources.*
- *F_{RQ} is the maximum of nominal number of faculty members as calculated on the basis of a required FSR of 1:15 or the available faculty in the institution.*

- **Sources: Third party sources.**

B. Combined metric for Quality of Publications (QP): 20 Marks

- $QP = 10 \times f(CC/F_{RQ}) + 10 \times f(TOP25P/P)$
- Here CC is the Total Citation Count over the previous three years.
- P is as computed for PU.
- TOP25P: Number of citations in the top 25 percentile averaged over the previous three years.
- F_{RQ} is the maximum of nominal number of faculty members as calculated on the basis of a required FSR of 1:15 or the available faculty in the institution.
- *Primary Data: Third-Party Sources.*

C. IPR and Patents: Patents Published and Granted (IPR): 40 marks

- **$IPR = IPG + IPP$**

$$IPG = 25 \times f(PG)$$

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

$$IPP = 15 \times f(PP)$$

- PP: No. of patents published over the previous three years.
- *Primary Data: Third-Party Sources.*

D. Footprint of Projects and Professional Practice (FPPP): 20 marks

- **FPPP = FPR + FPC**
- **FPR = 15 × f (RF)**
- RF is the average annual research funding earnings (the amount actually received in rupees) per faculty at the institute level in the previous three years.
- **FPC = 5 × f (CF)**
- CF is the average annual consultancy amount (the amount actually received in rupees) per faculty at the institute level in the previous three years.
- ***Primary Data: To be provided in the prescribed format.***

3. Graduation Outcome (GO):100 marks

- **Ranking weight: 0.25**
- **Overall Assessment Metric:**
- **$GO = GPH(35) + GUE(35) + GMS(20) + GPEC(10)$**
- **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. Median Salary: GMS**
 - D. Combined metric for Placement and Entrepreneurship in Certificate Programs: GPEC**

A. Combined Metric for Placement and Higher Studies (GPH): 35 marks

- **$GPH = 35 \times (N_p/100 + N_{hs}/100)$**
- 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 prescribed format.***

B. Metric for University Examinations (GUE): 35 Marks

- $GUE = 35 \times \min [N_g/80, 1]$
- 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 enrolled.
- *Primary Data: To be provided in the prescribed format.*

C. Median Salary(GMS): 20 Marks

- **GMS = 20 × f (MS)**
- MS = Median salary of graduates (in UG/PG program) in the previous three years from an institution.
- ***Primary Data: To be provided in the prescribed format.***

D. Combined metric for Placement and Entrepreneurship in Certificate

Programs(GPEC): 10 Marks

- $GPEC = 10 \times (N_{pc}/100 + N_{ec}/100)$
- N_{pc} = Percentage of graduating students (in Vocational Certificate Courses) placed in the previous three years.
- N_{ec} = Percentage of graduating students (in Vocational Certificate Courses) who have opted for entrepreneurship in the previous three years.
- *Primary Data: To be provided in the 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 × fraction of total students enrolled from other states + 5 × 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} are the percentage of Women students.
- N_{WF} are 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 the 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)**

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.