



**INDIA RANKINGS 2020**

**NATIONAL INSTITUTIONAL RANKING FRAMEWORK**

**Methodology for Ranking of Academic Institutions in India**

**(RANKING METRICS FOR MANAGEMENT)**



**Ministry of Human Resource Development**

## Summary of Ranking Parameters and Weightages- 2020

(Management)

<b>Sr. No.</b>	<b>Parameter</b>	<b>Marks</b>	<b>Weightage</b>
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

<b>Sr.No.</b>	<b>Parameters</b>	<b>Marks</b>
<b>1.</b>	<b>Teaching, Learning &amp; Resources (TLR)</b> <b>Ranking weight: 0.30</b>	<b>100</b>
	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 Utilisation (FRU): 30 marks	
<b>2.</b>	<b>Research and Professional Practice (RP)</b> <b>Ranking weight: 0.30</b>	<b>100</b>
	A. Combined metric for Publications (PU): 40 marks B. Combined metric for Quality of Publications (QP): 40 marks C. Footprint of Projects, Professional Practice and Executive Development Programs (FPPP): 20 marks	
<b>3.</b>	<b>Graduation Outcomes (GO)</b> <b>Ranking weight: 0.20</b>	<b>100</b>
	A. Combined metric for Placement and Higher Studies (GPH): 40 marks B. Metric for University Examinations (GUE): 20 marks C. Median Salary (GMS): 40 marks	
<b>4.</b>	<b>Outreach and Inclusivity (OI)</b> <b>Ranking weight: 0.10</b>	<b>100</b>
	A. Percentage of Students from Other States (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	
<b>5.</b>	<b>Perception (PR)</b> <b>Ranking weight: 0.10</b>	<b>100</b>
	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 Strength 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 (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 till 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 × [15 × (F/N)]**
- $N = N_T + N_p$
- F: Full time regular faculty in the institution in the previous year.
- Regular appointment means Faculty on Full time basis. *Faculty on contract basis/ad-hoc basis will be considered if the concerned faculty has taught in both the semesters of academic year 2018-19.*
- Faculty members with Ph.D. and MBA/PGDM will be considered and counted here. Faculty member 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 with PhD (or equivalent) 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): 30 Marks**

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



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

- **Ranking weight: 0.30**
- **Overall Assessment Metric:**  
**RP = PU (40) + QP(40) + FPPP(20)**
- **The component metrics explained on following pages.**
  - A. Combined Metric for Publications: PU**
  - B. Combined Metric for Quality of Publications: QP**
  - C. Footprint of Projects, Professional Practice and Executive Development Programs: FPPP**

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

- $PU = 40 \times f(P/F_{RQ})$
- *P is weighted number of publications as ascertained from suitable third party sources.*
- *F<sub>RQ</sub> 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): 40 Marks**

- $QP = 20 \times f(CC/P) + 20 \times f(TOP25P/P)$
- Here CC is Total Citation Count over previous three years.
- P is as computed for PU.
- TOP25P: Number of citations in top 25 percentile averaged over the previous three years.
- *Primary Data: Third Party Sources.*

**C. Footprint of Projects, Professional Practice and Executive Development Programs/  
Management Development Programs (FPPP): 20 marks**

- **FPPP = FPR + FPC + EDP/MDP**
- **FPR = 5× f(RF)**
- RF is average annual research funding earnings (amount actually received in rupees) per faculty at institute level for the previous three years.
- **FPC = 5× f(CF)**
- CF is average annual consultancy amount (amount actually received in rupees) per faculty at institute level for the previous three years.
- **EDP/MDP = 10× f(EP)**
- EP = Average annual earnings per faculty from Executive Development Programs/Management Development Programs in previous three years.
- *Primary Data: To be provided by the institution in prescribed format.*

### **3. Graduation Outcome (GO):100 marks**

- **Ranking weight: 0.20**
- **Overall Assessment Metric:**
- **GO = GPH(40) + GUE(20) + GMS(40)**
- **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**

**A. Combined Metric for Placement and Higher Studies (GPH): 40 marks**

- **$GPH = 40 \times (N_p/100 + N_{hs}/100)$**
- $N_p$  = Percentage of graduating students (in PG programs) placed in the previous three years.
- $N_{hs}$  = Percentage of graduating students (in PG programs) who have been selected for higher studies, in the previous three years.
- *Primary Data for  $N_p$ : To be provided in prescribed format*

**B. Metric for University Examinations (GUE): 20 Marks**

- $GUE = 20 \times \min [(N_g/80), 1]$
- $N_g$  is the percentage of Students (as a fraction of the approved intake), averaged over the previous three years, passing the respective university examinations in stipulated time for the program in which enrolled.
- *Primary Data: To be provided in a prescribed format.*

**C. Median Salary(GMS): 40 Marks**

- **GMS = 40 × f (MS)**
- MS = median salary of graduates (in PG programs) in the previous three years from an institution.
- ***Primary Data: To be made 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 following pages:**
  - A. Percentage of Students from other States (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 (Region Diversity RD): 30 marks**

- **RD = 30 × fraction of total students enrolled from other states**
- *Primary Data: To be provided in the prescribed format.*

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

- **WD = 15 × (N<sub>WS</sub>/50) + 15 × (N<sub>WF</sub>/20)**
- N<sub>WS</sub> are the percentage of Women students.
- N<sub>WF</sub> 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 a prescribed format.*

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

- $ESCS = 20 \times f(N_{esc})$
- $N_{esc}$  is the percentage of PG 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)**

**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.
- Comprehensive list will be prepared taking into account various sectors, regions, etc.
- Lists to be updated periodically.