INDIA RANKINGS 2023

NATIONAL INSTITUTIONAL RANKING FRAMEWORK

Methodology for Ranking of Academic Institutions in India

(RANKING METRICS FOR DENTAL)

Ministry of Human Resource Development

Summary of Ranking Parameters and Weightages- 2023

(Dental)

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): 15 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): 35 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. Footprint of Projects and Professional Practice (FPPP): 20 marks	
3.	**Graduation Outcomes (GO)** **Ranking weight: 0.20**	**100**
	A. Combined metric for Placement and Higher Studies (GPH): 35 marks B. Metric for University Examinations (GUE): 30 marks C. Metric for Number of PG Students Graduated (GPG): 35 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:**

    TLR = SS (15) + FSR (30) + FQE (20) + FRU (35)

- **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 (MDS) (SS): 15 Marks

- $SS = f(N_T, N_E) \times 10 + f(N_P) \times 5$

- 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 (MDS) 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 $\times$ [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 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 2021-22.*

- Faculty members with Ph.D. and Master's degree (MDS) 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 MDS) and Experience (FQE): 20 marks

- *FQE = FE*

- **FE = 6 min(3F1, 1) + 6 min(3F2, 1) + 8 min(3F3, 1)**

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

- *Primary Data: Faculty List in the Prescribed Format.*

D: Financial Resources and their Utilisation (FRU): 35 Marks

- **FRU = 8.75×f(BC) + 26.25×f(BO)**

- BC: Average Annual Capital Expenditure per student for previous three years pertaining dental discipline only. (**Excluding expenditure on construction of new buildings**)

- BO: Average Annual Operational (or Recurring) Expenditure per student for previous three years pertaining dental discipline only. **(Excluding maintenance of hostels and allied services)**

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

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: 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_{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): 40 Marks

- $QP = 20 \times f\,(CC/F_{RQ}) + 20 \times f\,(TOP25P/P)$

- Here CC is Total Citation Count over previous three years.
- P is as computed for PU.
- 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.*
- 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 (FPPP): 20 marks

- **FPPP = FPR + OPD**

- **FPR = 10 × f (RF)**

- RF is average annual research funding earnings (amount actually received in rupees) per faculty at institute level in previous three years.

- **OPD = 10 × f** (Average OPD per Day)
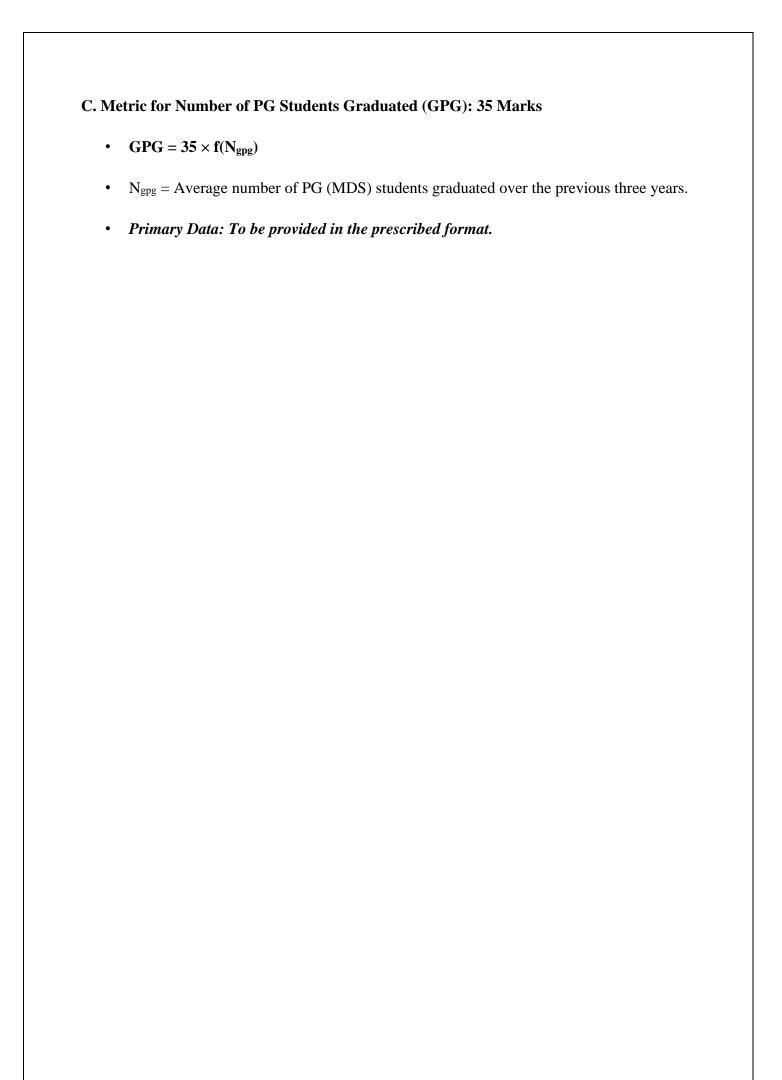
3. Graduation Outcome (GO):100 marks

- **Ranking weight: 0.20**

- **Overall Assessment Metric:**

- **GO = GPH(35) + GUE(30) + GPG(35)**

- **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**

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

- **GPH = 35 × (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): 30 Marks

- **GUE = 30 × min [(N$_g$/80), 1]**

- N$_g$ is the percentage of Students (as a fraction of the approved intake), averaged over 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. Metric for Number of PG Students Graduated (GPG): 35 Marks

- **GPG = 35 × f(N_{gpg})**

- N_{gpg} = Average number of PG (MDS) students graduated over 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 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 × (N_{WS}/50) + 15 × (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 × 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.

- Comprehensive list will be prepared taking into account various sectors, regions, etc.

- Lists to be updated periodically.