



# राजा महेन्द्र प्रताप सिंह राज्य विश्वविद्यालय, अलीगढ़

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पत्रांक:-आर0एम0पी0यू0/1157/2023

दिनांक:-25 मार्च, 2023

सेवा में,

प्राचार्य/प्राचार्या,

समस्त राजकीय/अनुदानित/स्ववित्तपोषित महाविद्यालय,

संबद्ध राजा महेन्द्र प्रताप सिंह राज्य विश्वविद्यालय,

अलीगढ़।

विषय:-प्रदेश स्थित समस्त उच्च शिक्षण संस्थानों में NIRF, ARIIA एवं अन्य रैंकिंग में प्रतिभाग किये जाने हेतु कार्यशालायें आयोजित कराने के सम्बन्ध में।

महोदया,

कृपया उपरोक्त विषयक प्रमुख सचिव, उच्च शिक्षा विभाग, उ0प्र0 शासन के संलग्न पत्र सं0-698/सत्तर-3-2023-09(06)/2023 दिनांक 24 मार्च, 2023 का अवलोकन करने का कष्ट करें। (प्रति संलग्न) जो NIRF, ARIIA एवं अन्य रैंकिंग में प्रतिभाग किये जाने हेतु कार्यशालायें आयोजित करने के सम्बन्ध में है।

शासन के संलग्न पत्र में दिये गये निर्देशों के अनुसार अग्रिम एवं प्रभावी कार्यवाही किया जाना सुनिश्चित करें।

संलग्नक:-यथोपरि।

भवदीय

(महेश कुमार)  
कुलसचिव

प्रतिलिपि:- निम्नलिखित को सूचनार्थ एवं आवश्यक कार्यवाही हेतु:-

1. मा0 कुलपति जी, राजा महेन्द्र प्रताप सिंह राज्य विश्वविद्यालय, अलीगढ़।
2. क्षेत्रीय उच्च शिक्षा अधिकारी, आगरा/अलीगढ़।
3. डा0 सविता वाष्णीय, समन्वयक, NAAC मूल्यांकन को इस निर्देश के साथ कि उपरोक्त की मानीटरिंग अपने स्तर से करते हुए प्रगति से मा0 कुलपति जी को अवगत कराना सुनिश्चित करें।
4. गार्ड फाईल।

सहायक कुलसचिव

**R3-Ranking Excellence-HEIs participating in the ranking**

**संख्या- 693/सत्तर-3-2023-09(06)/2023**

प्रेषक,

डा० सुधीर एम० बोंबडे,

प्रमुख सचिव,

उ०प्र० शासन।

सेवा में,

1. निदेशक,

उच्च शिक्षा उ०प्र०

प्रयागराज।

2. कुलसचिव,

समस्त राज्य/निजी विश्वविद्यालय,

लखनऊ।

**उच्च शिक्षा अनुभाग-3**

**लखनऊ : दिनांक 24 मार्च, 2023**

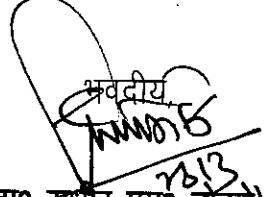
**विषय :** प्रदेश स्थित समस्त उच्च शिक्षण संस्थानों में NIRF, ARIIA एवं अन्य रैंकिंग में प्रतिभाग किये जाने हेतु कार्यशालायें आयोजित कराने के सम्बन्ध में।

महोदय,

उपर्युक्त विषय के सम्बन्ध में अवगत कराना है कि राष्ट्रीय शिक्षा नीति-2020 के दृष्टिगत प्रदेश के सभी उच्च शिक्षण संस्थानों को NIRF, ARIIA एवं अन्य रैंकिंग में प्रतिभाग करने की आवश्यकता है।

2- इस सम्बन्ध में NIRF एवं ARIIA गाइडलाइन्स की प्रति संलग्न कर प्रेषित करते हुए मुझे यह कहने का निदेश हुआ है कि आपके क्षेत्रान्तगत आने वाले प्रदेश स्थित समस्त उच्च शिक्षण संस्थानों हेतु NIRF, ARIIA एवं अन्य रैंकिंग में प्रतिभाग करने के दृष्टिगत दो माह के अन्दर कार्यशालायें आयोजित कर आगामी NIRF, ARIIA रैंकिंग में प्रदेश के सभी उच्च शिक्षण संस्थानों का प्रतिभाग कराना सुनिश्चित कराने का कष्ट करें।

**संलग्नक-यथोक्त।**

  
(डा० सुधीर एम० बोंबडे)  
प्रमुख सचिव।

**संख्या-693 (1)/सत्तर-3-2023-तददिनांक**

प्रतिलिपि निम्नलिखित को सूचनाार्थ एवं आवश्यक कार्यवाही हेतु प्रेषित:-

- 1- कुलपति, समस्त राज्य/निजी विश्वविद्यालय, उ०प्र०।
- 2- निजी सचिव, प्रमुख सचिव, उच्च शिक्षा विभाग, उ०प्र० शासन।
- 3- निजी सचिव, विशेष सचिव, उच्च शिक्षा विभाग, उ०प्र० शासन।
- 4- समस्त उप सचिव/अनु सचिव/अनुभाग अधिकारी, उच्च शिक्षा विभाग, उ०प्र० शासन।
- 5- डॉ० जय सिंह, सहायक निदेशक, उच्च शिक्षा, उ०प्र०, प्रयागराज को इस आशय से प्रेषित कि वे समस्त सम्बन्धितों से समन्वय करते हुए उपरोक्तानुसार कार्यवाही की सूचना संकलित करते हुए समेकित रिपोर्ट शासन को ढाई माह में उपलब्ध करायेंगे।
- 6- समस्त क्षेत्रीय उच्च शिक्षा अधिकारी, उ०प्र०।
- 7- अपर सचिव, उ०प्र० राज्य उच्च शिक्षा परिषद, लखनऊ।

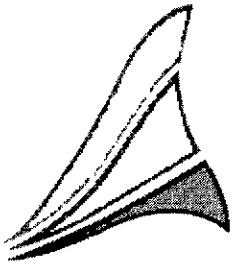
आज्ञा से,

(गिरिजेश कुमार त्यागी)

विशेष सचिव।



सत्यमेव जयते



# ATIL RANKING OF INSTITUTIONS ON INNOVATION ACHIEVEMENTS

## 2021

**Ministry of Education (MoE)**  
Government of India

### Introduction:

India has already been improving on global stage in terms of Innovation ranking from 86<sup>th</sup> place, 6 years ago, to 48<sup>th</sup> in 2020. For India to emerge as a global innovation hub, the youth of our country, especially in higher education institutions (HEIs) need to play a crucial role to create a sustainable innovation ecosystem. Hence, ideally all HEIs should have a comprehensive and functional mechanism to convert research into innovations. This ecosystem will encourage, inspire and nurture young students by exposing them to new ideas and processes resulting in innovative activities in their formative years.

To ensure that Innovation is primary fulcrum of all HEIs, in the year 2018, Ministry of Human Resource Development (MHRD), Govt. of India has introduced 'Atal Ranking of Institutions on Innovation Achievements (ARIIA)' to systematically rank education institutions and universities primarily on innovation related indicators. ARIIA considers all major indicators which are commonly used globally to rank most innovative education institutions/ universities in the world.

### Objectives:

- Setting direction for HEIs towards streamlining and establishing a strong startup ecosystem in campus and region.
- Measuring Innovation & Startup ecosystem based on Input, Process, Output and Outcome based parameters.
- Focusing on both quantity and more on quality aspects of Startup Eco-System available at Institute.
- Also measure the impact created by these innovations and Startups from Higher Educational Institutions (HEIs) in society and market.
- Aiming at uplifting India's Position in the Global Innovation Index from 48<sup>th</sup> to top 30 in a time period of 5 Years.

ARIIA ranking will certainly inspire Indian institutions to reorient their mind-set and build ecosystems to encourage high quality research, innovation and entrepreneurship. Moreover, ARIIA will set tone and direction for institutions for future development for making them globally competitive and in forefront of innovation.

### ARIIA 2021: Framework

The framework of ARIIA is comprising of parameters and sub-parameters on following major areas.

- Developing an Innovative and Entrepreneurial Mind-set through Series of Activities
- Teaching and Learning Courses on Innovation, Entrepreneurship & IPR
- Dedicated Infrastructure & Facilities to Promote Innovation & Entrepreneurship at HEI
- Successful Innovation and Start-ups Generated from HEI with Institute's Support
- Intellectual Property (IP), Generation and Commercialization
- Annual Budget (Expense and Revenue) on Promoting and Supporting I&E Activities

**ARIIA 2021: Categories and Classifications**

ARIIA 2021 will classify the participating HEIs under two heads i.e. “**Technical HEI**” and “**Non-Technical HEI**”. Each class will then categorise under the two broad categories such as “**Publicly Funded Institutions**” and “**Privately/Self-Financed Institutions**”. In addition to this, special category for “**HEI exclusively for Women Education**” is part of ranking. Sub-categories provisioned under each category are as below.

<b>Publicly Funded Institutions:</b>	<b>Privately/Self-Financed Institutions:</b>
i. Institute of National Importance & Central Universities / CFTIs	i. University & Deemed University (Private)
ii. State University & Deemed Universities (Govt. & Govt. Aided)	ii. Private Colleges/Institutes
iii. Govt. Colleges/Institutes	

**ARIIA 2021: Parameters & Weightages**

There is a differential weightage allocation for “**Technical HEI**” and “**Non-Technical HEI**” classes. The weightages allocation for the various parameters and a special section named as “**Participation of HEI in I & E Initiative of MOE**” included as below.

Sl. No	Parameters	Non-Technical HEI	Technical HEI
1	Developing an Innovative and Entrepreneurial Mind-set through Series of Activities	8	4
2	Teaching and Learning: Academic Programmes related to Innovation & Entrepreneurship (I & E) & IPR offered by the HEI	10	6
3	Dedicated Infrastructure & Facilities to Promote Innovation & Entrepreneurship at HEI	13	13
4	Generation of Innovations/ ideas with the support of HEI and recognition received	13	13
5	Ventures Established with the support of the HEI & Recognitions Received	8	12
6A	Angel & VC Fund/Investment Mobilized to Support Innovation & Startups Incubated at HEI	3	5
6B	Promotion of Collaboration for & Co-Creation of I & E initiatives	8	5
7	Intellectual Property (IP), Generation and Commercialization	14	19
8A	Annual Budget on Promoting and Supporting I&E Activities: Total expenses towards I & E and IPR support activities	8	8
8B	Total Revenue Generated by HEI from Incubation Services to Startups and Commercialization of IP and Innovations	4	6
9	Participation of HEI in I & E Initiative of MOE	11	9
<b>Total</b>		<b>100</b>	<b>100</b>

*“Purposeful innovation results from analysis, systematic review, and hard work; it can be taught, replicated and learned.”*



ARIIA

## ARIIA 2021: Data Collection &amp; Data Submission

After completion of registration in the ARIIA portal ([www.ariia.gov.in](http://www.ariia.gov.in)), HEI needs to complete the Pre-Qualifier section before get into data submission in the Data Submission Portal section. The detailed format for both data collection and guideline for data submission procedure made available in the login page for download. Parameter and sub-parameter wise data points are as below.

Sl. No	Parameters & Sub Parameters	Non-Technical HEI	Technical HEI
1	<i>Developing an Innovative and Entrepreneurial Mind-set through Series of Activities (FY 2019-20)</i>		
1.1	Number of co-curricular events related to Innovation and Entrepreneurship (I & E) conducted by the HEI	4.00	2.00
1.2	Number of co-curricular events related to I&E organized by external organizations where students/faculty members of HEI were sent to participate/represent	4.00	2.00
	<b>Sub Total</b>	<b>8.00</b>	<b>4.00</b>
2	<i>Teaching and Learning: Academic Programmes related to Innovation &amp; Entrepreneurship (I &amp; E) &amp; IPR offered by the HEI (AY 2019-20)</i>		
2.1	Number of full-fledged programmes/courses in Innovation / Entrepreneurship / Intellectual Property offered by the HEI (Diploma/ UG/ PG/ PhD)	2.00	1.00
2.2	Number of short-term Certificate courses or Elective group(s)/ Major or Minor Specializations/ Core Credit courses offered by the HEI in Innovation and Entrepreneurship (I & E) of minimum 30 contact hours of duration	2.00	1.00
2.3	Number of I & E related MDP, EDP, FDP, Employment Generation Skill Development Programs conducted by HEI (Approved by Regulatory bodies of HEIs or other State and Central government agencies ) of minimum 30 contact hours of duration	2.00	1.00
2.4	Number of full-time faculty who have completed any <u>specialized training programme</u> of I & E (MDP, EDP, FDP, Certificate course of minimum 30 contact hours of duration) conducted by State and Central government agencies (for example AICTE, MIC, Ministry of MSME etc.), knowledge agencies etc.	1.00	1.00
2.5	Number of entrepreneurial skill development/employment generating training programmes conducted by the HEI for external participants (local residents, community members, alumni etc.)	2.00	1.00
2.6	Number of full-time faculty with a degree (UG/PG/PhD) in entrepreneurship/innovation/ IPR and(or) received training on I&E, and IPR	1.00	1.00
	<b>Sub Total</b>	<b>10.00</b>	<b>6.00</b>

3	<i>Dedicated Infrastructure &amp; Facilities to Promote Innovation &amp; Entrepreneurship at HEI (FY 2019-20)</i>	Non-Technical HEI	Technical HEI
3.1	Number of active Ideas/ Innovation centric Student Clubs in the HEI with access to co-working space/ work- stations for students with facilities & equipment available for I & E activities	2.00	2.00
3.2	Existence of dedicated infrastructures and facilities at HEI to support Innovation, Entrepreneurship and IPR	3.00	5.00
3.2.a	Existence of Pre-incubation centers such as Tinker Lab/ EDC/ IEDC/ New Gen IEDC/ etc. with minimum space of $\geq$ 600 sq. ft. floor area		
3.2.b	Existence of Incubation Unit with minimum space of $\geq$ 1500 sq. ft. floor area		
3.2.c	Existence of Research Park/Innovation Park with minimum Space of $\geq$ 5000 sq. ft. Floor area		
3.3	Existence of Centre of Excellence with Advance Tools & Equipment with minimum space of $\geq$ 1000 Sq. ft.	1.00	1.00
3.4	Existence of IPR Cell / Patent Facilitation Unit / Technology Transfer Centre at the institute	1.00	2.00
3.5	Number of dedicated staff to oversee I & E activities under the leadership of a senior professor/Head of the institute	2.00	1.00
3.6	Number of empaneled external experts/ agencies for mentorship regarding IPR, innovation development and enterprise development	2.00	1.00
3.7	Number of faculty members/ staff of the HEI deputed on committees of other HEIs to mentor and support the establishment of their I & E eco-system	2.00	1.00
	<b>Sub Total</b>	<b>13.00</b>	<b>13.00</b>
4	<i>Generation of Innovations/ ideas with the support of HEI and recognition received (FY 2019-20)</i>		
4.1	Number of Innovations TRL 0-3 and/or Number of non-technical Innovations (scouted and evaluated) registered with the departments of HEI/ pre-incubation/Incubation center	3.00	1.00
4.2	Number of Innovations TRL 4-6	1.00	2.00
4.3	Number of Innovations TRL 7-9	1.00	3.00
4.4	Number of ideas or innovative projects implemented in the community/Social Innovations	2.00	2.00
4.5	Number of ideas or innovative projects/TRLs/Social Innovations implemented with financial support from HEIs	3.00	3.00
4.6	Number of awards won by the student and faculty innovations at State/National/International Level in I & E related events	3.00	2.00
	<b>Sub Total</b>	<b>13.00</b>	<b>13.00</b>



5	<i>Ventures Established with the support of the HEI &amp; Recognitions Received (FY2019-20)</i>	Non-Technical HEI	Technical HEI
5.1	Number of Startups with CIN / Entrepreneurial Ventures with at least GST number started by students/ faculties/ Staff/ Alumni and facilitated by HEI/EDC/ Pre-incubation/ Incubation/ Research Park etc.	4.00	4.00
5.2	Number of Startups with CIN /Entrepreneurial Ventures with GST number started by the external beneficiaries ( <i>i.e. excluding Student, Faculty &amp; Staff</i> ) who had received Employment Generating Skill Training Program conducted by the HEI/EDC/Pre-incubation/ Incubation	2.00	3.00
5.3	Number of Faculty as Founder or Co-Founder with DIN	1.00	2.00
5.4	Number of Startups with Annual Turnover of Rs. 50 Lakhs or 10 employees	1.00	3.00
	<b>Sub Total</b>	<b>8.00</b>	<b>12.00</b>
6			
6A.	<i>Angel &amp; VC Fund/Investment Mobilized to Support Innovation &amp; Startups Incubated at HEI (FY2019-20)</i>		
6A.1	Total amount raised by innovators pre-Incubated/incubated at HEI from Angel/VC Fund/High Net worth Individual (HNI)	1.00	2.00
6A.2	Total amount raised by Startups incubated at HEI from Angel /VC Fund /High Net worth Individual (HNI)	1.00	2.00
6A.3	Total amount of Credit/Loans from Financial Institutions that was facilitated by HEI for innovators/startups	1.00	1.00
	<b>Sub Total</b>	<b>3.00</b>	<b>5.00</b>
6B.	<i>Promotion of Collaboration for &amp; Co-Creation of I &amp; E initiatives (AY2019-20)</i>		
6B.1	Number of Collaborations with incubation units outside the HEI either to provide <u>OR</u> receive Incubation Support	3.00	2.00
6B.2	Number of Collaborations with other HEIs as mentor/ mentee Institute to promote I&E in the Campus	3.00	2.00
6B.3	Number of Collaborations with start-ups /Industry Associations /Knowledge Agencies to promote I & E activities and/or internship opportunities	2.00	1.00
	<b>Sub Total</b>	<b>8.00</b>	<b>5.00</b>
7	<i>Intellectual Property (IP), Generation and Commercialization</i>		
7.1	Number of research papers published (Student/Faculty) with Keywords -Innovation, and Entrepreneurship in Scopus journals during the AY 2019-20	2.00	2.00
7.2	Number of Copyrights/Designs Applied during the FY 2019-20	1.00	1.00
7.3	Number of Copyrights/Designs Granted during the FY 2019-20	2.00	2.00





## Atal Ranking of Institutions on Innovation Achievements

		Non-Technical HEI	Technical HEI
7.4	Number of Patents Filed & Published during the FY 2019-20	2.00	2.00
7.5	Number of Patents Granted (last 3 FYs: 2017-18, 2018-19, 2019-20)	3.00	5.00
7.6	Number of Patents held by Pre-Incubated Innovations/Incubated Startups (last 3 FYs: 2017-18, 2018-19, 2019-20)	2.00	3.00
7.7	Number of IPs Commercialized/ Technology Transferred during the FY 2019-20	2.00	4.00
	<b>Sub Total</b>	<b>14.00</b>	<b>19.00</b>
<b>8</b>	<b><i>Budget - Annual Expenditure Spent towards I&amp;E Activities and Revenue from I&amp;E</i></b>		
<b>8A.</b>	<b><i>Annual Budget on Promoting and Supporting I&amp;E Activities: Total expenses towards innovation, IPR and entrepreneurship activities</i></b>		
8A.1	Amount spent on events conducted (Financial Fields of line items entered in 1.1)	2.00	1.00
8A.2	Amount spent on student/faculty participation in I&E events conducted by external organizations (Financial Fields of line items entered in 1.2)	2.00	1.00
8A.3	Expenses incurred in the establishment, maintenance and operation of Pre-Incubation and/or Incubation infrastructure (capital expenditure + operational expenditure) (Financial Fields of line items entered in 3.1, 3.2 and 3.3)	2.00	2.00
8A.4	Total seed fund/grant disbursed by HEI from its own funds to innovation/ entrepreneurial ventures (Financial Fields of line items entered in 4 & 5)	1.00	2.00
8A.5	Total Seed Fund/Grant received from external sources disbursed to Startups (Financial Fields of line items entered in 4 & 5)	1.00	2.00
	<b>Sub Total</b>	<b>8.00</b>	<b>8.00</b>
<b>8B.</b>	<b><i>Annual Budget on Promoting and Supporting I&amp;E Activities: Total Revenue Generated by HEI from Incubation Services to Startups and Commercialization of IP and Innovations</i></b>		
8B.1	Total grant/funds received from authentic sources such as Govt, Non Govt, CSR bodies etc. towards promoting and supporting innovation, IPR, Startups and pre-incubation/incubation activities in the campus	2.00	2.00
8B.2	Total revenue from Incubation Services offered by HEI to Startups/innovators (training and skill + mentoring + office space and rent). It excludes fees earned for offering general consulting services offered and training conducted by HEIs	1.00	1.00
8B.3	Total revenue generated from commercialization/Licensing of IPs owned by HEIs ( <i>It exclude IP commercialization made by incubated Startups/ Innovators</i> ).	1.00	3.00
	<b>Sub Total</b>	<b>4.00</b>	<b>6.00</b>



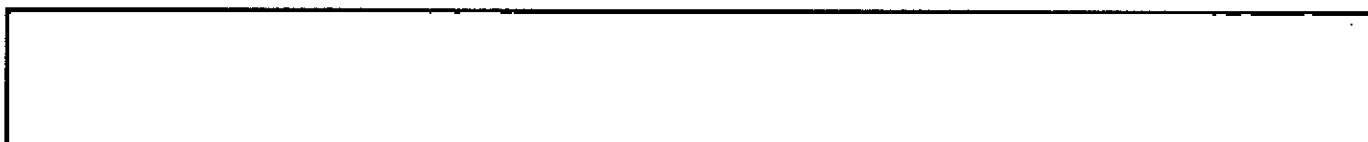
9	<i>Participation of HEI in I &amp; E Initiative of MOE</i>	Non-Technical HEI	Technical HEI
9.1	Adopted National Innovation and Start-up Policy at the HEI	2.00	2.00
9.2	Establishment of Institution's Innovation Council (IIC) at HEI	2.00	2.00
9.3	Trained Innovation Ambassadors at HEI	2.00	2.00
9.4	Participation in Smart India Hackathon (SIH)	2.00	1.00
9.5	Facilitated Registration of Start-ups/ Technologies developed from HEIs in YUKTI 2.0 ( <i>Young India combating COVID with Knowledge, Technology and Innovation</i> ) portal of MIC (The line items entered in 5.1, 5.2 and 5.3 will be reviewed and validated)	2.00	1.00
9.6	Participation of Students from the HEI in National Education Alliance of Technology (NEAT) courses	1.00	1.00
<b>Sub Total</b>		<b>11.00</b>	<b>9.00</b>
<b>Total</b>		<b>100.00</b>	<b>100.00</b>



ARIIA 2020: Hon'ble Vice President of India Announcing Result on 18<sup>th</sup> August 2020 (Virtual Mode)



Group Photo: Hon'ble President of India with ARIIA 2019 Awardee Institutions and ARIIA Core Team



***"India need it's own Innovation Ranking at par with International, ARIIA will ensure that Innovation is the Epicentre of Indian Higher Education"***

**~Dr. Ramesh Pokhriyal, 'Nishank'  
Minister for Education, Govt. of India**

### Important Dates

Registration & Pre-Qualifier: 17<sup>th</sup> September 2020 Onwards

ARIIA Data Submission: 7<sup>th</sup> December 2020 - 15<sup>th</sup> Feb 2021

Review, Evaluation & Verification: March & April 2021

Announcement of ARIIA Ranks: May 2021



**ARIIA**

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**INDIA RANKINGS 2022**

**NATIONAL INSTITUTIONAL RANKING FRAMEWORK**

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

**(RANKING METRICS FOR OVERALL)**



**Ministry of Human Resource Development**

## 1. Salient Features

- 1.1 Methodology is based on developing a set of metrics for ranking of academic institutions, based on the parameters agreed upon by the core committee.
- 1.2 These parameters are organized into five broad heads, and have been further elaborated into suitable sub-heads. Each broad head has an overall weight assigned to it. Within each head, the various sub-heads also have an appropriate weight distribution.
- 1.3 An attempt is also made to identify the relevant data needed to suitably measure the performance score under each sub-head. Emphasis here is on identifying data that the institution can easily provide or is easy to obtain from third party sources and easily verifiable, where verification is needed. This is important in the interest of transparency.
- 1.4 A suitable metric is then proposed based on this data, which computes a score under each sub-head. The sub-head scores are then added to obtain scores for each individual head. The overall score is computed based on the weights allotted to each head. The overall score can take a maximum value of 100.
- 1.5 The institutions can then be rank-ordered based on their scores.

## 2. Eligibility for Overall and Discipline Specific Rankings

- 2.1 Learning from our experience of the earlier ranking exercises, it is proposed to have the following different ways of Ranking.
  - (i) This year, all candidate institutions, independent of their discipline or nature (comprehensive or otherwise) will be given overall rank<sup>1</sup> if they satisfy the criteria that they have a total of at least 1000 student intake or enrolled students in UG and PG programs.

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<sup>1</sup>The parameters have been chosen in such a manner that these are equally relevant for various kinds of educational institutions. Data format is designed to ensure that the diversity of disciplines and their separate character are accounted for.

(ii) Institutions will also be given a discipline specific rank as relevant.

(iii) Highly focussed institutions with a single main discipline (Engineering, Medical, Law, Management, Pharmacy, Architecture or UG degree colleges in Arts, Science and Commerce, etc.) with less than 1000 total sanctioned approved intake or enrolled students will be given only a discipline specific rank.

(iv) Schools or Departments of Universities or Institutions (such as Architecture, Engineering, Law Faculty, Management Departments, Pharmacy etc.) will have to register separately and provide additional data (in the format) pertaining to the respective School or Department, if they desire to be included in the discipline specific ranking list. All institutions should seriously consider this option, if they wish to position their important Faculties/Schools at the national level. **Only options available on the registration portal will be considered for discipline specific rankings<sup>2</sup>.**

(v) Undergraduate Teaching institutions (including degree colleges affiliated to a university) are also invited to participate.

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<sup>2</sup> If an engineering school of a University consists of a single engineering discipline with very few students, they would not be eligible for ranking even under the discipline specific category. Thus, if the engineering faculty of a University has only the Department of Electronics Engineering as its Engineering School, it need not apply for a separate discipline specific ranking under the engineering category.

(vi) Discipline specific ranks will be announced only in those disciplines where a significant number of institutions offer themselves for ranking, and the List includes some of the prominent institutions in that discipline, with an acceptable ranking score. The final decision on ranking of a discipline will therefore be decided by NIRF after analysing the data.

(vii) Open Universities and Affiliating Universities (whether State or Centre approved/funded) will not be considered for ranking. However, if these universities have a teaching or research campus of their own, they are welcome to participate with data pertaining only to their physical campuses. Data pertaining to their function as open or affiliating universities cannot be included in the submitted data.

(viii) Rankings will be considered only for those institutions that have graduated at least three batches of students *in full time UG or PG programs, where the duration is not less than three years for the UG programs and two years for the PG programs.*

2.2 While score computations for the parameters are similar for both kinds of rankings (i.e., overall or discipline specific) on most counts, the weights are somewhat different on a few parameters, to take into account discipline specific issues.

### 3. Data Collection

3.1 In view of the absence of a reliable and comprehensive third-party Data-Base that could supply all relevant information (as needed for computing the said scores), it is imperative that the institutions that are desirous of participating in the ranking exercise, supply the data in the given format that is being made available on the NIRF portal, before the last date specified for this purpose. The deadlines will be separately announced on the NIRF portal.

3.2 It is required that the institutions upload the submitted data also on their own, publicly visible website in the interest of transparency. *The access to this data should be through a prominent link named NIRF in the homepage itself.* It is mandatory that institutions should host the data submitted for India Rankings 2022 on their website post the final submission and they should also provide an email address where they would receive comments and feedback. Institutions should pro-actively and objectively examine the comments and feedback received to effect corrections, if so warranted (within the time slot to be announced by NIRF on its website). All institutions have to mandatory host data submitted for India Rankings 2022 for a period of three years.

3.3 Institutions who fail to post the data submitted to NIRF on their own websites (as indicated in 3.2), or those who do not have institution website, will be given initial notice and afterwards an appropriate action will be taken.

3.4 NIRF has been empowered to take up physical checks on the institution records and audited accounts where needed, to ensure that the principles of ethical behaviour are being adhered to. In case an institution is approached for carrying out any physical check, they are expected to co-operate. Non-cooperation may lead to debarring the institution from participation in the ranking exercise.



3.5 For some of the parameters (like Research, Patents etc.) the data will be populated from internationally available Data Bases. However, NIRF reserves the right not to use the data from any of these sources or include other sources, if so warranted. NIRF shall directly access data from these resources, or seek help from the resource publishers, as necessary.

3.6 NIRF also reserves the right to modify any of the metrics if it deems fit to do so in the interest of rationalisation necessitated by the exigencies or the nature of the data encountered. Any changes so made will be notified at the time of announcing the rankings.

3.7 If any participating institution is found sending promotional/canvassing emails during the Ranking Exercise, then all the votes received in the survey will be made zero.

#### **4. Implementation Details**

4.1 As in the previous year, the National Board of Accreditation (NBA) will continue to be the Ranking Agency on behalf of NIRF for 2022.

4.2 NIRF shall invite institutions interested to participate in the ranking exercise to register on the NIRF portal. The data should be submitted on an on-line facility created for this purpose.

4.3 NIRF, by itself or with the help of other suitably identified partner agencies will also undertake authentication of data, wherever felt necessary, and where feasible.

4.4 NIRF will extract the relevant information from this data and through software, compute the various metrics and rank institutions based on this data. This process is expected to be completed in about 3 months, and rankings published on the first Monday of April 2022.

#### **5. Errors and Correction Policy**

5.1 All efforts will be made to display the raw data on the NIRF website after due processing by NIRF for cross-checking by the institution. This is the data on which rankings would be finally computed. It will be the Institution's responsibility to ensure that the data published by NIRF accurately reflects the submissions by it. The institution will also be invited to check out the data supplied by or taken from third sources. If the Institution does not give any comments or feedback within a specified period on the displayed data, it will be assumed that this data is accurate. No petitions for corrections will be

accepted after the declared deadline, or after the rankings have been announced.

5.2 It is the responsibility of the Nodal officer to ensure that the data updated during data verification is correct. And if data updated is incorrect, Nodal Officer should send an email before rankings are announced. No such complaints will be entertained after the release of ranks.

5.3 If it is found that an institution has deliberately manipulated the submitted data, causing erroneous rankings, NIRF will remove the institution from the ranking list and future rankings and publish a suitable note to this effect.

**Summary of Ranking Parameters and Weightages- 2022**  
**(Overall)**

<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

S.No.	Parameters	Marks
1.	<b>Teaching, Learning &amp; Resources (TLR)</b> <b>Ranking weight: 0.30</b>	100
	A. Student Strength including Doctoral Students(SS): 20 marks B. Faculty-student ratio with emphasis on permanent faculty (FSR): 25 marks C. Combined metric for Faculty with PhD (or equivalent) and Experience (FQE): 20 marks D. Financial Resources and their Utilisation (FRU): 20 marks E. Online Education: Online Completion of Syllabus & Exams and Swayam (OE): 15 marks	
2.	<b>Research and Professional Practice (RP)</b> <b>Ranking weight: 0.30</b>	100
	A. Combined metric for Publications (PU): 35 marks B. Combined metric for Quality of Publications (QP): 35 marks C. IPR and Patents: Published and Granted (IPR): 15 marks D. Footprint of Projects and Professional Practice (FPPP): 15 marks	
3.	<b>Graduation Outcomes (GO)</b> <b>Ranking weight: 0.20</b>	100
	A. Metric for University Examinations(GUE): 60 marks B. Metric for Number of Ph.D. Students Graduated (GPHD): 40 marks	
4.	<b>Outreach and Inclusivity (OI)</b> <b>Ranking weight: 0.10</b>	100
	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.	<b>Perception (PR)*</b> <b>Ranking weight: 0.10</b>	100
	A. Peer Perception: Academic Peers and Employers (PR): 100 marks	

\*However for universities in the PR parameter, 70% weight was given to Peer Perception and 30% to Accreditation.

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

- **Ranking weight: 0.30**

- **Overall Assessment Metric:**

$$\text{TLR} = \text{SS (20)} + \text{FSR (25)} + \text{FQE (20)} + \text{FRU (20)} + \text{OE (15)}$$

- **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**

**E. Online Education: Online Completion of Syllabus & Exams and Swayam:  
OE**

**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): 25 marks**

- **FSR = 25 × [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 2020-21.*
- Faculty members with Ph.D. and Masters degree 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 15years;

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): 20 Marks**

- $FRU = 5 \times f(BC) + 15 \times f(BO)$
- 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: Online Education: Online Completion of Syllabus & Exams and Swayam (OE): 15 marks**

- OE = f(OE)

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

- **Ranking weight: 0.30**
- **Overall Assessment Metric:**  
$$RP = PU(35) + QP(35) + IPR(15) + FPPP(15)$$
- **The component metrics explained on 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 and Executive Development Programs: FPPP**

**A. Combined metric for Publications (PU): 35 marks**

- $PU = 35 \times f(P/F_{RQ})$
- *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): 35 Marks**

- $QP = 20 \times f(CC/F_{RQ}) + 15 \times f(TOP25P/P)$
- 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.
- *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.*
- *Primary Data: Third Party Sources.*

**C. IPR and Patents: Patents Published & Granted (IPR): 15 marks**

$$\text{IPR} = \text{IPG} + \text{IPP}$$

$$\text{IPG} = 10 \times f(\text{PG})$$

- 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 and Executive Development Programs /Management Development Programs (FPPP): 15 marks**

- **$FPPP = FPR + FPC + EDP/MDP$**
- **$FPR = 5 \times f(RF)$**
- RF is the average annual research funding earnings (amount received in rupees) at institute level in previous three years.
- **$FPC = 5 \times f(CF)$**
- CF is the average annual consultancy amount (amount actually received in rupees) at institute level in previous three years.
- **$EDP/MDP = 5 \times f(EP)$**
- EP = Average annual earnings 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 = GUE(60) +GPHD(40)**
- **The component metrics are explained on the following pages:**

**A. Metric for University Examinations: GUE**

**B. Metric for Number of Ph.D. Students Graduated: GPHD**

**A. Metric for University Examinations (GUE): 60 Marks**

- $GUE = 60 \times \min [(Ng/80), 1]$
- Ng 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*

**B. Metric for Number of Ph.D Students Graduated (GPHD): 40 Marks**

- **GPHD =  $40 \times f(\text{Nphd})$**
- Nphd = Average number of Ph.D students graduated (awarded Ph.D) over the previous three years.
- *Primary Data: Number of graduating Ph.D. Students as reflected in the approved Annual Report/Convocation Report 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**

- $WD = 15 \times (N_{WS}/50) + 15 \times (N_{WF}/20)$
- $N_{WS}$  are the percentage of Women students.
- $N_{WF}$  are the percentage of Women Faculty including 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 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:  $PR = PR(100)$**
- **Component metrics are explained in the following pages:**
  - A. Peer Perception: Employers & Academic Peer: (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.