



ATAL RANKING OF INSTITUTIONS ON INNOVATION ACHIEVEMENTS

2021

Introduction:

India has already been improving on global stage in terms of Innovation ranking from 86th place, 6 years ago, to 48th 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 48th 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.

Publicly Funded Institutions:	Privately/Self-Financed Institutions:
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
	Total	100	100

ARIIA 2021: Data Collection & Data Submission

After completion of registration in the ARIIA portal (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
	Sub Total	8.00	4.00
2	<i>Teaching and Learning: Academic Programmes related to Innovation & Entrepreneurship (I & E) & 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
	Sub Total	10.00	6.00

3	<i>Dedicated Infrastructure & Facilities to Promote Innovation & 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 ≥ 600 sq. ft. floor area		
3.2.b	Existence of Incubation Unit with minimum space of ≥ 1500 sq. ft. floor area		
3.2.c	Existence of Research Park/Innovation Park with minimum Space of ≥ 5000 sq. ft. Floor area		
3.3	Existence of Centre of Excellence with Advance Tools & Equipment with minimum space of ≥ 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
	Sub Total	13.00	13.00
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
	Sub Total	13.00	13.00



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5	<i>Ventures Established with the support of the HEI & 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 & 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
	Sub Total	8.00	12.00
6			
6A.	<i>Angel & VC Fund/Investment Mobilized to Support Innovation & 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
	Sub Total	3.00	5.00
6B.	<i>Promotion of Collaboration for & Co-Creation of I & 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
	Sub Total	8.00	5.00
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

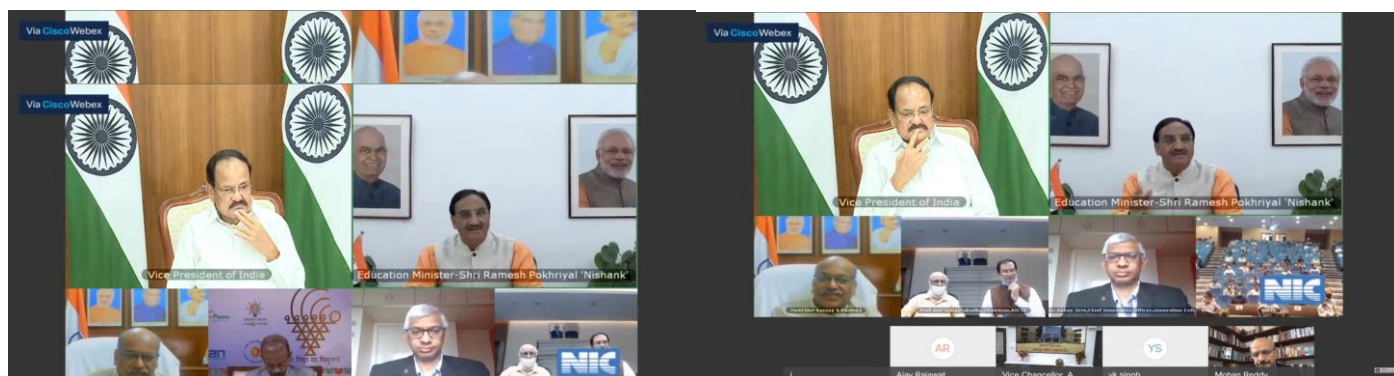


		Non-Technical HEI	Technical HEI
7.4	Number of Patents Filed & Published during the FY 2019-20	2.00	2.00
7.5	Number of Patents Granted (last 3 FYs: 2017-18, 2018-19, 2019-20)	3.00	5.00
7.6	Number of Patents held by Pre-Incubated Innovations/Incubated Startups (last 3 FYs: 2017-18, 2018-19, 2019-20))	2.00	3.00
7.7	Number of IPs Commercialized/ Technology Transferred during the FY 2019-20	2.00	4.00
	Sub Total	14.00	19.00
8	<i>Budget - Annual Expenditure Spent towards I&E Activities and Revenue from I&E</i>		
8A.	<i>Annual Budget on Promoting and Supporting I&E Activities: Total expenses towards innovation, IPR and entrepreneurship activities</i>		
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
	Sub Total	8.00	8.00
8B.	<i>Annual Budget on Promoting and Supporting I&E Activities: Total Revenue Generated by HEI from Incubation Services to Startups and Commercialization of IP and Innovations</i>		
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 (It exclude IP commercialization made by incubated Startups/ Innovators).	1.00	3.00
	Sub Total	4.00	6.00



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9	<i>Participation of HEI in I & 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
Sub Total		11.00	9.00
Total		100.00	100.00



ARIIA 2020: Hon'ble Vice President of India Announcing Result on 18th 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: 17th September 2020 Onwards

ARIIA Data Submission: 7th December 2020 - 8th March 2021 (Extended)

Review, Evaluation & Verification: April & May 2021

Announcement of ARIIA Ranks: June 2021



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