



ARIIA

ATAL RANKING OF INSTITUTIONS ON INNOVATION ACHIEVEMENTS



MoE
Ministry of Education
Government of India

Verification Submitted Institute Data for Atal Ranking of Institutions on Innovation Achievements (ARIIA) - 2020-21

Institute Name: National Institute of Pharmaceutical Education and Research Guwahati [ARI-I-1073]

List all the departments / centers / units are part of innovation and startup ecosystem of the institute

Srno	Department / Center / Unit Name	Type of Department / Center / Unit	Mention the Stream / Discipline / Sector of focus	Department / Center / Unit Level	Program Type	Student / Beneficiary Strength (2019-20)	Academic Staff Strength (2019-20)	Non-academic Staff Strength (2019-20)
1	Department of Pharmacology and Toxicology	Academic Department with lab facility	Drug Discovery	UG / PG / PhD	Technical	33	3	2
2	Department of Biotechnology	Academic Department with lab facility	Molecular Diagnostics	UG / PG / PhD	Technical	21	2	2
3	Department of Pharmacy Practice	Academic Department with lab facility	Pharmacovigilance	UG / PG / PhD	Technical	21	2	1
4	Department of Pharmaceutics	Academic Department with lab facility	Drug Delivery	UG / PG / PhD	Technical	34	3	2
5	Department of Pharmaceutical Analysis	Academic Department with lab facility	Drug Metabolism	UG / PG / PhD	Technical	34	2	2
6	Center for Pharmacoengineering	Centre of Excellence with Advance Tools & Equipment	Pharmaceutical 3D/4D Printing	UG / PG / PhD	Technical	7	3	1
7	Center for Excellence in Tribal Affairs	Centre of Excellence with Advance Tools & Equipment	Tribal Health	Not Allowed	Non-Technical	2	2	1
8	North-Eastern Societal aspect for Translational (NEST) Phytopharmaceutical Herbal Research Incubation	Incubation Unit	Bio-innovation and Bio-business	At all level	Both	7	4	4
9	Quality Assessment and Value Addition Centre for herbal industry in the North Eastern States of India	Industry Institute Interface Unit	Trade Infrastructure for Export	Not Allowed	Not Allowed	0	4	2

Participation of HEI in Innovation & Entrepreneurship Initiatives of Ministry of Education (Till Today)

Programs/Initiatives	Status	Registration ID
Adopted National Innovation and Start-up Policy at the HEI	No	Not Required
Establishment of Institution's Innovation Council (IIC) at HEI	NO	Not Required
Trained Innovation Ambassadors at HEI	NO	Not Required
Participation in Smart India Hackathon (SIH)	No	Not Required

Participation of HEI in Innovation & Entrepreneurship Initiatives of Ministry of Education (Till Today)

Facilitated listing start-ups/ technologies in Young India combating COVID with Knowledge, Technology and Innovation (YUKTI 2.0) portal of MIC	No	Not Required
Participation in National Education Alliance of Technology (NEAT)	No	Not Required

Section 1 > i : Details of Co-curricular events/programs related to Innovation, IPR and Entrepreneurship/Start-up Conducted by the HEI

Srno	Name of Program (Full Name)	Program Theme	Program Type	Program Category	Organizing Department / Centre / Student Body Name	Program Start Date	Program End Date	Program Duration (in Days)	Program Location	Internal Participants (Student)	Internal Participants (Faculty)	External Participants (Student)	External Participants (Faculty)	Total Number of Participants	Had institute spent expenses either from own resource/received fund to organise the program/activity/event?	Did any of the participants received any awards/recognition for startup / innovation ideas / research?
1	Importance of Patents and its Leveraging for the Growth of Academic/ Research Institution	IPR	Seminar	Institute Lead Activity	Bio-NEST NIPER-G Incubation Center	31-07-2019 00:00:00	31-07-2019 00:00:00	1	Within Campus	65	11	0	0	76	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) 5000.00	No
2	Design Workshop on Catalyzing and Translating Innovations to Market	Innovation	Workshop	Institute Lead Activity	Bio-NEST NIPER-G Incubation Center	28-03-2020 00:00:00	29-03-2020 00:00:00	2	Within Campus	65	15	20	10	110	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) 15000.00	No
3	National workshop on Regulatory Compliance for accelerating Innovations	IPR, Entrepreneurship/Startup	Workshop	Institute Lead Activity	NIPER Guwahati	13-06-2019 00:00:00	13-06-2019 00:00:00	1	Within Campus	45	7	80	12	144	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) 186240	No
4	USP User Forum	IPR	Training	Institute Lead Activity	NIPER Guwahati	29-05-2019 00:00:00	29-05-2019 00:00:00	1	Within Campus	45	7	20	7	79	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) 50000	No
5	Advanced Analytical Techniques in Pharma	Entrepreneurship/Startup, Innovation	Workshop	Institute Lead Activity	NIPER Guwahati	04-05-2019 00:00:00	07-05-2019 00:00:00	4	Outside Campus	15	5	20	25	65	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) 100000	No

Section 1 > ii : Details of Students, Faculties/Staff Participation/Representation in Co-curricular events/programs related to Innovation, IPR and Entrepreneurship/Start-up at the State, National and (or) International Level (Organized by External Organizations) sent by the HEI

Srno	Name of Program (Full Name)	Program Theme	Program Type	Organizing Agency / Institute Name	Organizing Agency Type	Program Start Date	Program End Date	Program Duration (in Days)	Participants (Students)	Participants (Faculty)	Total Number of Participants	Awards/Recognitions/Achievements	Award / Position / Recognition Secured	Title of Innovation / Start-up Secured the Award / Recognition	Had institute spent expenses either from own resource/ received fund towards sending delegation to participate / represent the activity /event?	Did any of the participants received any awards/recognition for startup / innovation ideas / research	
1	International Conference of Parkinson Disease and Movement Disorders	Innovation	Conference	International Parkinson and Movement Disorder Society	International Agencies	22-09-2019 00:00:00	26-09-2019 00:00:00	5	1	1	2	No	---	---	Total Total Expense Amount Incurred by Institute? (In Rupees)	90000	No

Section 2 > i : List the Academic Programs on Innovation, IPR and Entrepreneurship Development Offered During the Academic Period (2019-20)

Srno	Title of Course/Subject Offered	Program Theme	Type of Course	Course Offering Department/Centre/Unit Name	Level of Course	Program Start Date	Program End Date	Program Duration (in Days)	Mode of Delivery	Total Numbers of Participants	Total Numbers of Contact Hours of Course (Minimum 30 Contact hours)
1	Fundamentals of Intellectual Property and technology Management Regulatory considerations for Formulations	IPR	Elective/Core Credit Course	Master	NIPER Guwahati	05-08-2019	20-12-2019	138	Offline	54	36
2	Clinical Pharmacology and Regulatory Toxicology	IPR	Elective/Core Credit Course	Master	Pharmacology and Toxicology	05-08-2019	20-12-2019	138	Offline	18	30
3	Pharmaceutical product Development II	Innovation	Elective/Core Credit Course	Master	Pharmaceutics	08-01-2020	22-05-2020	136	Offline	18	35
4	Pharmaceutical product Development I	Innovation	Elective/Core Credit Course	Master	Pharmaceutics	08-01-2020	22-05-2020	136	Offline	18	30

Section 2 > ii : List the Employment Generation Skill Development Programs Organized by the HEI on Innovation, IPR and Entrepreneurship Development During the Academic Period (2019-20)

No Data Filled!

Section 2 > iii : List the Full Time Faculties had with a Degree (UG/PG/PhD) in Innovation/IPR/Entrepreneurship and (or) Received Specialized Training program of I&E, IPR (MDP, EDP, FDP, Short-term Certificate Course, of minimum 30 hours Duration) conducted by various State, Central Govt. agencies, and Knowledge Agencies in the Academic Period (2019-20)

Srno	Faculty Name	Department/Centre/Unit Name	Designation	Do you have a degree in I&E & IPR?	Had the faculty received training on I&E & IPR during AY 2019-20				
1	Dr Sonali Roy	Bio-NEST NIPER-G Incubation Center	Incubation Manager	No	Yes				
	Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)	Mode of Delivery

Section 3 > i : List Idea/Innovation Centric Student Clubs Are Functional at the HEI with Access to Co-working Space/Work-stations for Students with Facilities & Equipment Available to promote and Support Innovation, Entrepreneurship and IPR Activities in Campus

No Data Filled!

Section 3 > ii > a : List the Pre-Incubation Facility (Tinkering Lab/Makers' Space/Design Centre/New Gen IEDC/IEDC/EDC/Innovation Centre/Startup Cell) (>= 600 Sq. Ft. Floor Area)

No Data Filled!

Section 3 > ii > b : List the Centre of Excellence (CoE) Facilities with Advance Tools and Equipment at the HEI (>= 1000 Sq. Ft. Floor Area)

Srno	Name of CoE Facility	Year of Establishment	CoE with Access to Other I&E Facilities at the HEI	Name of the Funding Schemes Available with CoE, if any (Optional)	Facility Details		Total Nos of Dedicated Executive/Management team Strength Engaged at the Facility	Had the CoE Provided any Funding Support for Idea/Prototype/Innovation Development and implementation during the Financial Year 2019-20?	Had institute Generated Income either from Services Offered by CoE Centre/Facilities?	Had institute spent expenses either from own resource/received fund towards Establishment/Operation of CoE Centre/Facilities?
					Facility Incharge Name	Facility Incharge Email				
1	Center for Pharmacoengineering	2019	Innovation Labs	DPRP-DST	Facility Incharge Name	USN Murty	7	Yes	No	Yes
					Facility Incharge Email	director@niperguwahati.ac.in				
					Facility Incharge Phone	03612961117				
Source of Grant / Fund		Agency Name			Agency Type		Total Grants / Funds Received by CoE Facility exists in Campus (In Rupees)			
Funding Agency		DPRP DST			Govt. Agency (Central)		31411760			
2	Center for Excellence in Tribal Affairs	2019	Innovation Labs	Ministry of Tribal affairs	Facility Incharge Name	USN Murty	4	No	No	Yes
					Facility Incharge Email	director@niperguwahati.ac.in				
					Facility Incharge Phone	03612961117				
Source of Grant / Fund		Agency Name			Agency Type		Total Grants / Funds Received by CoE Facility exists in Campus (In Rupees)			
Funding Agency		Ministry of Tribal affairs			Govt. Agency (Central)		6000000			

Section 3 > ii > b : List the Centre of Excellence (CoE) Facilities with Advance Tools and Equipment at the HEI (>= 1000 Sq. Ft. Floor Area)

3	Quality Assessment and Value Addition Centre for herbal industry in the North Eastern States of India	2019	IPR Cell/Technology Transfer Centre	TIES Scheme under Ministry of Commerce	<table border="1"> <tr> <td>Facility Incharge Name</td> <td>Dr USN Murty</td> </tr> <tr> <td>Facility Incharge Email</td> <td>director@niperguwahati.ac.in</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>03612 961117</td> </tr> </table>	Facility Incharge Name	Dr USN Murty	Facility Incharge Email	director@niperguwahati.ac.in	Facility Incharge Phone	03612 961117	10	No	No	Yes
Facility Incharge Name	Dr USN Murty														
Facility Incharge Email	director@niperguwahati.ac.in														
Facility Incharge Phone	03612 961117														
Source of Grant / Fund		Agency Name			Agency Type		Total Grants / Funds Received by CoE Facility exists in Campus (In Rupees)								
Funding Agency		TIES Ministry of Commerce			Govt. Agency (Central)		75100000								

Section 3 > ii > c : List the Incubation Facilities at the HEI (>= 1500 Sq. Ft. Floor Area)

Srno	Name of Incubation Facility	Year of Establishment	Incubation with Access to Other I&E Facilities at the HEI	Name of the Funding Schemes Available with Incubation Unit, if any (Optional)	Facility Details	Total Nos of Dedicated Executive/Management team Strength Engaged at the Facility	Had the Incubation Facility Provided any Funding Support for Idea/Prototype/Innovation Development and implementation during the Financial Year 2019-20?	Had institute Generated Income either from Services Offered by Incubation Centre/Facilities?	Had institute spent expenses either from own resource/received fund towards Establishment/Operation of Incubation Centre/Facilities?						
1	Bio-NEST NIPER-G Incubation Center	2019	Pre-Incubation, Innovation Labs, IPR Cell/Technology Transfer Centre	DBT-BIRAC Bio-NEST scheme	<table border="1"> <tr> <td>Facility Incharge Name</td> <td>Dr Sonali Roy</td> </tr> <tr> <td>Facility Incharge Email</td> <td>incubation.manager@niperguwahati.ac.in</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>09678 007196</td> </tr> </table>	Facility Incharge Name	Dr Sonali Roy	Facility Incharge Email	incubation.manager@niperguwahati.ac.in	Facility Incharge Phone	09678 007196	3	Yes	No	Yes
Facility Incharge Name	Dr Sonali Roy														
Facility Incharge Email	incubation.manager@niperguwahati.ac.in														
Facility Incharge Phone	09678 007196														
Source of Grant / Fund		Agency Name			Agency Type		Total Grants / Funds Received by Incubation Facility exists in Campus (In Rupees)								
Funding Agency		DBT-BIRAC			Govt. Agency (Central)		19360000								

Section 3 > ii > d : List the Innovation Park/Research Park Facilities at the HEI (>= 5000 Sq. Ft. Floor Area)

No Data Filled!

Section 3 > ii > e : List the IPR Cell/Technology Transfer Centre Facilities at the HEI

No Data Filled!

Section 3 > iii > a : Provide detail list of Faculties as Mentor to help Ideas/Innovations/Startups

Srno	Name of the Faculty	Designation of the Faculty	Mentor Expert Area	Years of Experience in Mentorship (In Years)																		
1	Dr Sonali Roy	Incubation Manager	Idea/Innovation Development, Entrepreneurship/Startup Development, IPR Protection & Commercialization	3																		
<table border="1"> <thead> <tr> <th>Name of Idea/Innovation/ Startup Mentored</th> <th>Mentoring Setup [Within (or) Outside] HEI</th> <th>CIN (in case it is Startup)</th> </tr> </thead> <tbody> <tr> <td>Nutraceutical from Musa sp</td> <td>Within</td> <td></td> </tr> <tr> <td>Anti tumor (external) patch</td> <td>Within</td> <td></td> </tr> <tr> <td>Probiotic for juvenile livestock</td> <td>Outside</td> <td></td> </tr> <tr> <td>Prosthetic limb with sensors</td> <td>Outside</td> <td></td> </tr> <tr> <td>Nature identical vanilline</td> <td>Outside</td> <td></td> </tr> </tbody> </table>					Name of Idea/Innovation/ Startup Mentored	Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)	Nutraceutical from Musa sp	Within		Anti tumor (external) patch	Within		Probiotic for juvenile livestock	Outside		Prosthetic limb with sensors	Outside		Nature identical vanilline	Outside	
Name of Idea/Innovation/ Startup Mentored	Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)																				
Nutraceutical from Musa sp	Within																					
Anti tumor (external) patch	Within																					
Probiotic for juvenile livestock	Outside																					
Prosthetic limb with sensors	Outside																					
Nature identical vanilline	Outside																					

Section 3 > iii > b : Provide detail list of External Experts/Agencies engaged as Mentor to help Ideas/Innovations/Startups

No Data Filled!

Section 4 : List all the Innovations Generated Developed, Completed and Implemented in Ground with Support of Pre-incubation & Incubation facilities at the HEI and Recognitions Received

Srno	Name of the Innovation Generated with the Support of HEI	Type of Innovation	Nature of Innovation	Name of the HEI Supported Innovation Development	Innovation Developed by	Stage of Innovation/ Stage of TRL it started receiving the Support during the FY 2019-20	Stage of Innovation/ Stage of TRL reached as on 31st March 2020	Status Pre-Incubation/Incubation Support to Innovation as on 31st March 2020	Had the Innovation Received any Recognition at State, National, International Level Programs during the financial period 2019-20	Had the Innovation Convert ed into Venture/ Startup/ SME Unit during the financial period 2019-20	Had Centre/institute provided any Financial support (either own resource or fund received from agencies) in terms of Seed Grant/Fund Support to Idea / Prototype / Innovations Development during the financial period 2019-20	Had the Innovations raised any Seed fund/Angel Investment/VC during the period of receiving pre-incubation/incubation support at your Pre-incubation/incubation or HEI during the financial period 2019-20	Had the Pre-incubation/Incubation Centre/HEI received any income/revenue from Idea/Prototype/Innovations for the pre-incubation/incubation support and the services offered by Pre-incubation/incubation or institute during the financial period 2019
1	Nutraceutical from Musa sp	Product Innovation, Process Innovation	Technological	NIPER-G	Faculty	TRL 2 : Technology formulation . Concept and application have been formulated.	TRL 3 : Applied research. First laboratory tests completed; proof of concept.	Innovation Development Ongoing	No	No	No	No	No

Name		Type							Gender			Email		Contact	
Dr Sanjay K Banerjee		Faculty							Male			sanjayk.banerjee@niperguwahati.ac.in		7042354595	
2	Anti tumor (external) patch	Product Innovation	Technological	NIPER-G	Staff	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	TRL 2 : Technology formulation . Concept and application have been formulated.	Innovation Development Ongoing	No	No	No	No		No	
Name		Type							Gender			Email		Contact	
Deepak Bharadwaj PVP		Faculty							Male			deepakpemmaraju01@gmail.com		8096325504	
3	Production of Nature Identical Vanilline	Product Innovation, Process Innovation	Technological	NIPER-G	External to the Institute/Incubatee	TRL 2 : Technology formulation . Concept and application have been formulated.	TRL 3 : Applied research. First laboratory tests completed; proof of concept.	Innovation Development Ongoing	Agency Name	DBT-BIRAC	No	No	Loan/Investment Agency Name	DBT-BIRAC	No
									Agency Type	Govt. Agency (Central)					
									Award / Position / Recognition Secured	BIG 15th call					
									Total Loan/Angel Investment/VC Fund raised by Start-up during the period of pre-incubation/incubation on support at your Pre-incubation/incubation or institute financial period 2019-20 (in Rupees)						
									Date of Investment Raised	30-01-2020					
Name		Type							Gender			Email		Contact	
Dr Pritam Chattopadhyay		Faculty							Male			pritam.biotechnol@gmail.com		7001009127	

4	3D printed Medicated Skin patches	Product Innovation	Technological	Center for Pharma coengineering	Faculty	TRL 0 : Idea. Unproven concept, no testing has been performed.	TRL 3 : Applied research. First laboratory tests completed; proof of concept.	Innovation Development Completed	No	No	No	No	No
Name		Type		Gender		Email		Contact					
Subham Banarjee		Faculty		Male		subham.331@gmail.com		03612961095					

Section 5 : List all the Ventures/Startups/SME Units Established with Support of Pre-incubation & Incubation facilities at the HEI

No Data Filled!

Section 7 > i : List all the Collaborations with External Agencies and Co-Creation of I&E Activities by the HEI

Srno	Collaborated Agency Name	Collaborated Agency Type	Purpose of Collaboration	Type of Support Offered	No. of Student Projects/ Ideas / Innovation / Startups from the HEI get benefitted through this partnership	Date of MOU / Agreement Signed on
1	Indian Institute of Technology (IIT)-Bombay	Govt. Agency (Central)	Providing (or) Receiving Mentor and Handholding Support to Support I&E Activities	Mentoring	3	15-02-2019
2	Indian Institute of Technology (IIT)-Guwahati,	Govt. Agency (Central)	Providing (or) Receiving Mentor and Handholding Support to Support I&E Activities	Mentoring	5	16-04-2019
3	Institute of Advanced Study in Science and Technology (IASST)	Govt. Agency (Central)	Providing (or) Receiving Mentor and Handholding Support to Support I&E Activities	Mentoring	8	25-08-2019
4	DR. B. Borooah Cancer Institute (BBCI)	Govt. Agency (Central)	Providing (or) Receiving Mentor and Handholding Support to Support I&E Activities	Mentoring	6	09-06-2019
5	CSIR-Indian Institute of Chemical Technology (IICT)	Govt. Agency (Central)	Providing (or) Receiving Mentor and Handholding Support to Support I&E Activities	Mentoring	5	26-12-2019
6	Institute of Liver and Biliary Science (ILBS)	Govt. Agency (State)	Providing (or) Receiving Mentor and Handholding Support to Support I&E Activities	Mentoring	5	04-01-2019

Section 8 > ii : List the IPs Filed/Published/Granted (Copyright & Designs Only) by the HEI as an Applicant / Co-applicant / Co-owner

Srno	Title/Name of IP(Copyright & Designs Only)	Type of IP(Copyright & Designs Only)	IP(Copyright & Designs Only) Registration Number of Copyright/Design	Application Level	Date of Copyright / Design IP Filed/ Published (Year, Month)	Copy of receipt / application screenshot [PDF or Image]	Current Status of IP(Copyright & Designs Only) as on 31st March 2020	Has this IP(Copyright & Designs Only) been Commercialized/Transferred to Industry/Startup/Society?
1	Lab manual LG-610- General lab experience in the area of specialization	IPRFiledPublished	L-86591/2019	National	2019 - 10	Uploaded	Filed	No

	Department/Centre Name
	Pharmaceutics

Section 8 > iii : List the IP (Patents only) Filed by the HEI as Applicant / Co-applicant / Co-owner

Srno	Title/Name of Patent	IP Registration Number	Date of Filed/Published (Year, Month)	Application Level	Copy of receipt / application screenshot [PDF or Image]
1	Nanomicellar composition of lithocholic acid tryptophan conjugate and preparation methods thereof.	201941022351	National	2019 - 06	Uploaded

Section 8 > v : List the IPs hold by the Innovation teams/Startups Incubated at the Pre-incubation/incubation Unit of the HEI

No Data Filled!

Section 8 > vi : List the IP Commercialized/Transferred Published & Granted to HEI as Co-applicant/Co-owner

Srno	Name of Technology Licenced / Transferred / Commercialized	Technology Type	Type of Transfer	Patent / Licence Number	Patent / Licence Holder		Centre / Department of Origin of Licence	Licence Transferred to		Had institute spent expenses either from own resource/received fund to organise the program/activity/event?	Total Annual Income Received from Technology Transfer/Licensing (In Rupees)
					Patent/Licence Holder name (Institute Co-ownership is Must)			Licence Transferred to	Industry		
1	A Face protecting Device	IP/Patented Technology	One-time transfer/Licensing	202031020364	Patent/Licence Holder name (Institute Co-ownership is Must)	NIPER Guwahati	Pharmaceutics	Licence Transferred to	Industry	No	---
					Contact number of license holder	03612961117		Name of Industry/Start-up/Agency Received License/Technology	Hindustan antibiotics Ltd		
					Email of Licence holder	director@niperguwahati.ac.in		Address of Agency	Pune India		
					Gender	Institute		Contact Number of Agency	9085383422		
								Email of Agency	dgmt.hapune@gmail.com		

Declaration

To,
The ARIIA Committee
MHRD's Innovation Cell
New Delhi

Joint Declaration by the Head of the Institute and Nodal Officer

Dear Sir,

Herewith, myself Dr. USN Murty (Head of Institute) and Dr. Naveen Chella (Nodal Officer) jointly declaring on behalf of our institute is that all the information submitted are true and correct to best of our knowledge.

Thank you

The Head of Institute



Dr. USN Murty
Head of the Institution,
Guwahati, Assam

Nodal officer



Dr. Naveen Chella
Nodal Officer,
Guwahati, Assam