



Submitted Institute Data for Atal Ranking of Institutions on Innovation Achievements (ARIIA) - 2019-20

Institute Name: National Institute of Technology Kurukshetra [ARI-U-0172]

### Pre-Qualifier (Basic Data Requirement For Financial Year (2018-19))

Name of the Institute/ University/ Group of Institutions and any Autonomous Body (Incubation Unit/Research Park etc.) located within same campus	Total Annual Expenditure of Institute/ University/ Group of Institutions/ any Autonomous Body (Incubation Unit/ Research Park etc.) located within same campus (Rupees in Figure)	Total Annual Income of Institute/ University/ Group of Institutions/ any Autonomous Body (Incubation Unit/ Research Park etc.) located within same campus (Rupees in Figure)	Balance Sheet, Income & Expenditure (or) Payment & Receipt Account for FY 2018-19 (Only PDF)
National Institute of Technology Kurukshetra	1400761000.00	1799171000.00	Document Uploaded in ARIIA DSP
Total (Rupees in Figure)	1400761000.00	1799171000.00	

Institute Type : Institute of National Importance & Central Universities/CFTs

Total Student Base (Enrolled Full Time) for all the Academic Programs Offered by Institute/University (Academic Year 2018-19) := 4876

Total Faculty Base (Full Time) Engaged in Teaching and Research at Institute/University (Academic Year 2018-19) := 166

#### Program Conducted by Institute Related to IPR, Entrepreneurship / Start-ups & Innovation

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/rec eived fund to organise the program/acti vity/event?	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)
One Day workshop on IPR awareness	IPR	Workshop	Institute Lead Activity	IPR Cell	03-03-2018 00:00:00	03-03-2018 00:00:00	1	Within Campus	40	10	0	0	50	Yes	33612
One-day Workshop on Searching Drafting and Filing process of the Patent	IPR	Workshop	Institute Lead Activity	IPR Cell	09-09-2018 00:00:00	09-09-2018 00:00:00	1	Within Campus	30	6	0	0	36	Yes	29965
Pitch Day	Entrepreneur ship/Startup	Open Competition for UG and PG Students	Student Lead Activity	Techspardha	26-09-2019 00:00:00	27-09-2019 00:00:00	2	Within Campus	24	0	6	0	30	Yes	20000
Fostering Innovation	Innovation	Presentation with Prototype	Student Lead Activity	Techspardha	26-09-2019 00:00:00	27-09-2019 00:00:00	2	Within Campus	31	0	10	0	41	Yes	19800
Startup Week	Entrepreneur ship/Startup	Entrepreneur s	Student Lead Activity	Industry Cell	21-01-2019 00:00:00	27-01-2019 00:00:00	7	Within Campus	150	6	0	0	156	Yes	22000

Program Conducted by Institute Related to IPR, Entrepreneurship / Start-ups & Innovation

Bplan	Entrepreneur ship/Startup	Enterpreneur ship	Student Lead Activity	Industry Cell	26-10-2018 00:00:00	26-10-2018 00:00:00	1	Within Campus	60	2	0	0	62	Yes	25000
Future CEO	Entrepreneur ship/Startup	Soft Skill Developmen t	Student Lead Activity	Industry Cell	26-10-2018 00:00:00	27-10-2018 00:00:00	2	Within Campus	50	1	0	0	51	Yes	23000
Young Leaders	Innovation	Innovation	Student Lead Activity	Industry Cell	28-10-2018 00:00:00	28-10-2018 00:00:00	1	Within Campus	50	2	0	0	52	Yes	19000

Participation / Representation of Students and (or) Faculties in Events / Programs related to IPR, entrepreneurship / Start-ups & Innovation organized by repute external institutions or agencies at national or international level

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/Rec ognitions/Ac hievements	Award / Position / Recognition Secured	Title of Innovation / Start-up Secured the Award / Recognition	Had institute spent expenses either from own resource/rec eived fund towards sending delegation to participate/re present the program/acti vity/event?	Total Expense Amount Incurred by Institute? (In Rupees)
Awareness programme for Entrepreneur ial and Managerial development	Entrepreneur ship/Startup	Awareness programme	MSME Developmen t Institute Karnal	Govt. Agency (Central)	20-08-2019 00:00:00	20-08-2019 00:00:00	1	0	2	2	No			Yes	2000

Courses on Innovation, IPR and Entrepreneurship Development Offered During the Academic Period 2018-19

Title of Course/Subject Offered	Program Theme	Type of Course	Level of Course	Program Start Date	Program End Date	Program Duration(in Days)	Mode of Delivery	Total Enrolment Number	Total Number of Students Completed	Total Numbers of Contact Hours of Course
Enterpreneurship	Entrepreneurship/Startup	Full time Program	Bachelor	27-12-2018 00:00:00	24-05-2019 00:00:00	148	Offline	80	80	32

Innovation, Pre-Incubation & Incubation Centre/Facilities exists in campus

Name of Centre	Type of Facility	Year of Facility Creation	Facility Location / Address	Facility Incharge	Carpet Area of Facility	Had institute spent expenses either from own resource/received fund towards Establishment/Operation of Pre-Incubation & Incubation Centre/Facilities?	Had institute Generated Income either from Services Offered by Pre-Incubation & Incubation Centre/Facilities?
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### Innovation, Pre-Incubation & Incubation Centre/Facilities exists in campus

Innovation and Incubation Centre	IPR Cell / Patent Facilitation Unit / Technology Transfer	2017	CCN Building NIT Kurukshetra	Facility Incharge	Dr. Chhagan	600 Sq. Ft.	Ye:	5	Yes
	Centre			Name	Charan		Annual Capital Expenditure (In	100000	Total Annual Income 0 from Training and
				Facility Incharge	chhagan. charan@		Rupees)		Skill Development Services (In Rupees)
				Email	nitkkr.ac.i n			0	Total Annual Income 0
					01744233 414				from (Technical and Business) Mentoring Services (In Rupees)
				E 222	414		Annual Operational		
				Facility Incharge Phone			Expenditure (In Rupees)		Total Annual Income 0 from Office Space and Rental Services
									to Start- ups/Innovators (In
									Rupees)

## Grants / Funds Received by Pre-Incubation & Incubation Centre / Facilities exists in Campus

Name of Centre	Source of Grant / Fund	Agency Name	Agency Type	Had Received Grants / Funds by Pre- Incubation & Incubation Centre / Facilities exists in Campus?	Total Grants / Funds Received by Pre-Incubation & Incubation Centre / Facilities exists in Campus (In Rupees)
Innovation and Incubation Centre	Institute's Own Fund / Resource			No	

Idea / Prototype / Innovation have received Grant / funding from Pre-Incubation / Incubation Centre / Facilities

Name of Idea / POC / Innovation / Prototype Received Funding / Grant from Centre	Name of Centre	Stage of Innovation (TRL Stage)	Innovation Developed by	Year of Innovation / Project Started	Type of Innovation	Current Status Pre- Incubation/Incubati on Support Received	Current Status of Innovation, Stage of TRL it has reached	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 2018-19	Had the Idea/Prototype/Inno vations raised any Seed fund/Angel Investment/VC during the period of receiving pre-incubation/incubation support at your Pre-incubation/incubation or institute during the financial period 2018-19	Had the Incubation Centre/institute received any income/revenue from Idea/Prototype/Inno vations for the pre- incubation/incubatio n support and the services offered by Pre- incubation/incubatio n or institute during the financial period 2018-19?
Vehicle Speed Limiter (VEGAM)	Innovation and Incubation Centre	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	Faculty	2018	IP / Patented Technology  Applie d for Patent  Patent Applica tion No  Year of Patent Applica tion	Still Under Development Process	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	Total Seed Grant/Fund Amount Disbursed to above Idea/Prototype/I nnovations Development by Centre (In Rupees)	No	No

Name of Idea / POC / Innovation / Prototype Received Funding / Grant from Centre	Name of Centre	Stage of Innovation (TRL Stage)	Innovation Developed by	Year of Innovation / Project Started	Type of Innovation	Inc	urrent Status Pre- cubation/Incubati on Support Received	Current Status of Innovation, Stage of TRL it has reached	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 2018-19	Had the Idea/Prototype/Inno vations raised any Seed fund/Angel Investment/VC during the period of receiving pre-incubation/incubation support at your Pre-incubation/incubation or institute during the financial period 2018-19	Had the Incubatio Centre/institute received any income/revenue from Idea/Prototype/Inn vations for the pre incubation/incubat n support and the services offered b Pre- incubation/incubat n or institute durin the financial perio 2018-19?	
	Principal Inn	ovator										
		Name		Туре			Gender		Email	Contact		
	T. Lokesh			Student	N	Male		tangella.lok	esh@gmail.com	9491387394		
	Co-Innovator	<b>r</b>										
		Name		Туре			Gender		Email	Co	ontact	
	K. Deva Kishore			Student	N	Male		k.devakisho	ore@gmail.com	9030934935		
Neural Vision Obstacle recognition and warning system for visually impaired	Innovation and Incubation Centre	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	Faculty and Student	2018	Non-IP / Non- Patented Technology	De	II Under evelopment ocess	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	Yes  Total Seed Grant/Fund Amount Disbursed to above Idea/Prototype/I nnovations Development by Centre (In Rupees)	No	No	
	Principal Inn	ovator										
		Name		Туре			Gender		Email	Co	ontact	
	Vedant Nepal			Student	N	Male		vedantlfc@	gmail.com	9896639653		
	Co-Innovator	r										
		Name		Туре			Gender		Email	Co	ontact	
	Aayush Shrestha.			Student	N	Male		saayush97	@gmail.com	9896639970		
	Chandan Das			Student	ı	Male		daschandan1997@gmail.com 8683921430				

Idea / Prototype / Innovation have received Grant / funding from Pre-Incubation / Incubation Centre / Facilities Had the Incubation Had Centre/institute Had the Centre/institute provided any Idea/Prototype/Inno received any Financial support vations raised any income/revenue Seed fund/Angel Investment/VC (either own from resource or fund Idea/Prototype/Inno vations for the pre-Name of Idea / POC / Current Status Pre-**Current Status of** received from during the period of Innovation / Prototype Received Funding / Grant Stage of Innovation (TRL Stage) Year of Innovation / Project Started Innovation, Stage of TRL it has Innovation Incubation/Incubati agencies) in terms receiving pre-Name of Centre Type of Innovation incubation/incubatio Developed by on Support Received of Seed Grant/Fund incubation/incubatio n support and the services offered by from Centre reached Support to Idea / n support at your Prototype / Pre-incubation/incubatio Pre-incubation/incubatio Innovations n or institute during Development n or institute during the financial period 2018-19? the financial period 2018-19 during the financial period 2018-19 2018 Non-IP / Non-No No RADAR on Roads Innovation and TRL 1: Basic Faculty and Still Under TRL 1: Basic Yes research. Principles Student Patented Development research. Principles Incubation Centre postulated and Technology Process postulated and observed but no observed but no Total Seed Grant/Fund experimental proof experimental proof available. available. Amount Disbursed to above Idea/Prototype/I nnovations Development by Centre (In Rupees) 9200 **Principal Innovator** Name Type Gender Email Contact Suvrat Mishra Student Male khannaarpit97@gmail.com 8222061456 Co-Innovator Name Type Gender Email Contact Arpit Khanna Student Male khannaarpit97@gmail.com 7355728965 Develop of S W Application Innovation and TRL 1 : Basic Faculty and 2018 Non-IP / Non-Still Under TRL 1: Basic No No Yes research. Principles research. Principles for Students feedback Incubation Centre Student Patented Development postulated and Technology postulated and Process. observed but no observed but no Total Seed Grant/Fund experimental proof experimental proof available. available. Amount Disbursed to above Idea/Prototype/I nnovations Development by Centre (In Rupees) 100000

Idea / Prototype / Ini	novation have r	received Grant /	funding from I	Pre-Incubation /	Incubation C	entre / Facilities				
Name of Idea / POC / Innovation / Prototype Received Funding / Grant from Centre	Name of Centre	Stage of Innovation (TRL Stage)	Innovation Developed by	Year of Innovation / Project Started	Type of Innovation	Current Status Pre- Incubation/Incubati on Support Received	Current Statu Innovation, S of TRL it ha reached	tage agencies) in terms as of Seed Grant/Fund	Had the Idea/Prototype/Inno vations raised any Seed fund/Angel Investment/VC during the period of receiving pre- incubation/incubatio n support at your Pre- incubation/incubatio n or institute during the financial period 2018-19	Had the Incubatio Centre/institute received any income/revenue from Idea/Prototype/Inn vations for the pre incubation/incubat n support and the services offered b Pre-incubation/incubat n or institute durin the financial perio 2018-19?
	Principal Inn	ovator								
		Name		Туре		Gender		Email	Co	ontact
	AmanGoyal			Student	N	/lale	ama	n.goyal1099@gmail.com	9057532962	
	Co-Innovator	·								
		Name		Туре		Gender		Email	Co	ontact
	Ritik Goyal			Student	N	/lale	ritikç	goyal189@gmail.com	7404448484	
Project on IoT based Smart City Project	Innovation and Incubation Centre	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	Faculty and Student	2018	Non-IP / Non- Patented Technology	Still Under Development Process	TRL 1 : Basic research. Prind postulated and observed but r experimental p available.	Total Seed	No	No
	Principal Inn	ovator								
		Name		Туре		Gender		Email	Co	ontact
	Anand Pratap Singl	'n		Student	N	Male	ana	nd_31811115@nitkkr.ac.in	9304366856	
	Co-Innovator	7								
		Name		Туре		Gender		Email	Co	ontact
	Arghya Biswas			Student	١,	//ale	orah	nya_31811102@nitkkr.ac.in	7797556557	

Start-ups have received Grant / funding from Pre-Incubation / Incubation Centre / Facilities

# **Co-Incubation Partnership**

No Data Flled!

**Technology Commercialization / Transfer** 

Name of Technology Licenced / Transferred / Commercialized	Technology Type	Type of Transfer	Patent / Licence Number	Patent / Licer	ce Holder	Centre / Department of Origin of Licence	Licence Trai	nsferred 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)
Design and Fabrication of Solar Thermal Cooking System	IP/Patented Technology	Licensing with Royalty Sharing	201911029522	Patent/Licence Holder name (Institute Co-	Avadhesh Yadav	Mechanical Engineering Department	Licence Transferred to	Industry	Yes	250000
				ownership is Must)			Name of Industry/Start-	Accurate Industrial		
				Contact number of license holder	9896103634		up/Agency Received License/Techno logy	Controls Private Limited		
				Email of Licence holder	avadheshyad ava@nitkkr.a c.in		Address of Agency	Pune		
					Male		Contact Number of Agency	8308063131		
				Gender			Email of Agency	marking@ac curateindustri alcontrols.in		

## **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. Satish Kumar (Head of Institute) and Mr. Brahmjit Singh (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. Satish Kumar

Head of the Institution,
National Institute of Technology Kurukshetra,

Kurukshetra, Haryana

Nodal officer

Mr. Brahmjit Singh

Nodal Officer,

National Institute of Technology Kurukshetra,

Kurukshetra, Haryana

Responsibility for accuracy and authenticity of data lies with the concerned institution.