



ARIIA

ATL RANKING OF INSTITUTIONS ON INNOVATION ACHIEVEMENTS



MHRD
Ministry of Human
Resource Development
Government of India

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

Institute Name: Indian Institute of Technology Roorkee [ARI-U-0560]

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)
Indian Institute of Technology Roorkee	6521241310.00	6131107406.00	Document Uploaded in ARIIA DSP
TIDES Business Incubator, IIT Roorkee	8247780.35	8524921.00	Document Uploaded in ARIIA DSP
Total (Rupees in Figure)	6529489090.35	6139632327.00	

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) := 8020

Total Faculty Base (Full Time) Engaged in Teaching and Research at Institute/University (Academic Year 2018-19) := 485

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/received fund to organise the program/activity/event?	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)
PCB Prototyping Facility	Innovation	Workshop	Institute Lead Activity	Jointly by Tinkering Laboratory and TIDES Centre	29-05-2018 00:00:00	30-05-2018 00:00:00	2	Within Campus	15	0	0	0	15	No	---
Rethink The Tinkering Laboratory facilities	Innovation	Exposure Visit	Institute Lead Activity	Tinkering Laboratory	07-06-2018 00:00:00	07-06-2018 00:00:00	1	Within Campus	0	0	0	10	10	No	---
Innovative Design Ideation to Realization	Innovation	Workshop	Institute Lead Activity	Jointly by Tinkering lab and Design innovation centre	14-03-2019 00:00:00	14-03-2019 00:00:00	1	Within Campus	0	3	35	2	40	Yes	25000
Innovative Design Ideation to Realization	Innovation	Workshop	Institute Lead Activity	Jointly by Tinkering lab and Design innovation centre	12-03-2019 00:00:00	12-03-2019 00:00:00	1	Within Campus	0	2	20	2	24	Yes	20000

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

Srishti Annual Technical Exhibition	Innovation	Exhibition	Student Lead Activity	Supported by Tinkering Lab	09-03-2019 00:00:00	10-03-2019 00:00:00	2	Within Campus	280	0	0	0	280	Yes	353794
Innovative Design Ideation to Realization	Innovation	Workshop	Institute Lead Activity	Jointly by Tinkering lab and Design innovation centre	15-02-2019 00:00:00	15-02-2019 00:00:00	1	Within Campus	0	3	35	3	41	Yes	30000
Innovative Design Ideation to Realization	Innovation	Workshop	Institute Lead Activity	Jointly by Tinkering lab and Design innovation centre	04-02-2019 00:00:00	04-02-2019 00:00:00	1	Within Campus	0	3	30	4	37	Yes	25000
Innovative Design Ideation to Realization	Innovation	Workshop	Institute Lead Activity	Jointly by Tinkering lab and Design innovation centre	01-02-2019 00:00:00	01-02-2019 00:00:00	1	Within Campus	0	3	38	2	43	Yes	30000
Innovative Design Ideation to Realization	Innovation	Workshop	Institute Lead Activity	Jointly by Tinkering lab and Design innovation centre	25-01-2019 00:00:00	25-01-2019 00:00:00	1	Within Campus	0	3	38	3	44	Yes	35000
Innovative Design Ideation to Realization	Innovation	Workshop	Institute Lead Activity	Jointly by Tinkering lab and Design innovation centre	19-01-2019 00:00:00	19-01-2019 00:00:00	1	Within Campus	0	3	38	2	43	Yes	30000
Commercial and Open-Source 3D Printing	Innovation	Workshop	Student Lead Activity	Tinkering Laboratory student body	19-01-2019 00:00:00	19-01-2019 00:00:00	1	Within Campus	30	0	0	0	30	No	---
Autumn Internship program	Innovation	Internship	Institute Lead Activity	Supported by Tinkering Lab	01-12-2018 00:00:00	21-01-2019 00:00:00	52	Within Campus	2	0	5	0	7	Yes	8530
Innovative Design Ideation to Realization	Innovation	Workshop	Institute Lead Activity	Jointly by Tinkering lab and Design innovation centre	20-11-2018 00:00:00	20-11-2018 00:00:00	1	Within Campus	0	5	40	2	47	Yes	40000
Innovative Design Ideation to Realization	Innovation	Workshop	Institute Lead Activity	Jointly by Tinkering lab and Design innovation centre	24-10-2018 00:00:00	24-10-2018 00:00:00	1	Within Campus	0	3	40	2	45	Yes	30000
Innovative Design Ideation to Realization	Innovation	Workshop	Institute Lead Activity	Jointly by Tinkering lab and Design innovation centre	11-10-2018 00:00:00	11-10-2018 00:00:00	1	Within Campus	0	4	40	2	46	Yes	35000
3D printing and 3D Scanning	Innovation	Workshop	Student Lead Activity	Tinkering Laboratory student body	01-10-2018 00:00:00	05-10-2018 00:00:00	5	Within Campus	150	0	0	0	150	No	---
Rethink The Tinkering Laboratory facilities	Innovation	Exposure Visit	Institute Lead Activity	Tinkering Laboratory	24-09-2018 00:00:00	24-09-2018 00:00:00	1	Within Campus	0	0	38	4	42	No	---

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

3D Scanning	Innovation	Workshop	Institute Lead Activity	Tinkering Laboratory	13-09-2018 00:00:00	13-09-2018 00:00:00	1	Within Campus	27	0	0	0	27	No	---
Rethink The Tinkering Laboratory facilities	Innovation	Exposure Visit	Institute Lead Activity	Tinkering Laboratory	28-06-2018 00:00:00	28-06-2018 00:00:00	1	Within Campus	0	0	0	26	26	No	---
Rethink The Tinkering Laboratory facilities	Innovation	Exposure Visit	Institute Lead Activity	Tinkering Laboratory	28-06-2018 00:00:00	28-06-2018 00:00:00	1	Within Campus	0	0	0	12	12	No	---
Rethink The Tinkering Laboratory facilities	Innovation	Exposure Visit	Institute Lead Activity	Tinkering Laboratory	27-06-2018 00:00:00	27-06-2018 00:00:00	1	Within Campus	0	0	0	22	22	No	---
Smart India hardware hackathon	Innovation	Hackathon	Institute Lead Activity	Hosted by Tinkering Lab, IIT Roorkee	18-06-2018 00:00:00	22-06-2018 00:00:00	5	Within Campus	0	0	42	0	42	Yes	850901
Rethink The Tinkering Laboratory facilities	Innovation	Exposure Visit	Institute Lead Activity	Tinkering Laboratory	14-06-2018 00:00:00	14-06-2018 00:00:00	1	Within Campus	0	0	0	16	16	No	---
Entrepreneur Lecture Series - Kalpana Saroj	Entrepreneurship/Startup	Motivational Speak	Institute Lead Activity	TIDES Business Incubator	27-11-2018 00:00:00	27-11-2018 00:00:00	1	Within Campus	150	10	20	0	180	No	---
Pre-Pitching Meet of Indian Oil	Entrepreneurship/Startup	Innovation Contest	Institute Lead Activity	TIDES Business Incubator	09-07-2018 00:00:00	09-07-2018 00:00:00	1	Within Campus	41	4	10	0	55	No	---
Training on LPKF Circuit Board Plotter Protomat S103	Entrepreneurship/Startup	Workshop	Institute Lead Activity	TIDES Business Incubator	29-05-2018 00:00:00	30-05-2018 00:00:00	2	Within Campus	30	5	11	0	46	No	---
TIDES Greater Noida Facility Inauguration	Entrepreneurship/Startup	Awareness and Exhibition	Institute Lead Activity	TIDES Business Incubator	20-07-2018 00:00:00	20-07-2018 00:00:00	1	Within Campus	121	10	10	0	141	No	---
India First Leadership Talk - Anand Mahindra	Entrepreneurship/Startup	Mentoring Session	Institute Lead Activity	TIDES Business Incubator	08-01-2019 00:00:00	08-01-2019 00:00:00	1	Within Campus	10	0	0	0	10	No	---
MeitY Visit to TIDES	Entrepreneurship/Startup	Exposure Visit	Institute Lead Activity	TIDES Business Incubator	02-02-2019 00:00:00	02-02-2019 00:00:00	1	Within Campus	20	4	0	0	24	No	---
Interactive Session with Bosch	Entrepreneurship/Startup	Exposure Visit	Institute Lead Activity	TIDES Business Incubator	18-01-2019 00:00:00	18-01-2019 00:00:00	1	Within Campus	24	3	0	0	27	No	---

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

Name of Program	Program Theme	Program Type	Organizing Agency /	Organizing Agency Type	Program Start Date	Program End Date	Program Duration(in	Participants (Students)	Participants (Faculty)	Total Number of	Awards/Recognitions/Ac	Award / Position /	Title of Innovation /	Had institute spent	Total Expense
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Participation / Representation of Students and (or) Faculties in Events / Programs related to IPR, entrepreneurship / Start-ups & Innovation organized by reputed external institutions or agencies at national or international level

(Full Name)			Institute Name				Days)			Participants	Achievements	Recognition Secured	Start-up Secured the Award / Recognition	expenses either from own resource/received fund towards sending delegation to participate/represent the program/activity/event?	Amount Incurred by Institute? (In Rupees)
Slush 2018	Entrepreneurship/Startup	Start-Up Conclave	Slush 2018, Finland	Non-Govt. Agencies	04-12-2018 00:00:00	05-12-2018 00:00:00	2	2	1	3	No	---	---	No	---
Cyborg Break In-Cognizance	Innovation	Competition	IIT Roorkee	Educational Institute	15-03-2019 00:00:00	17-03-2019 00:00:00	3	2805	0	2805	Yes	2nd position (Cyborg Break In)	Cognizance-Annual Technical Fest	Yes	9625000
IM3D	Innovation	Competition	Vellore Institute of Technology (VIT), Vellore, India	Educational Institute	01-02-2019 00:00:00	03-02-2019 00:00:00	3	5	0	5	No	---	---	No	---
Student design challenge	Innovation	Competition	Vellore Institute of Technology (VIT), Vellore, India	Educational Institute	01-02-2019 00:00:00	03-02-2019 00:00:00	3	6	0	6	Yes	4th international position	Student design challenge	Yes	62841
Human powered vehicle challenge	Innovation	Competition	Vellore Institute of Technology (VIT), Vellore, India	Educational Institute	01-02-2019 00:00:00	03-02-2019 00:00:00	3	9	0	9	Yes	18th position in asia pacific region	Human powered vehicle challenge	No	---
Baja SAE India	Innovation	Competition	Pithampur, M.P and IIT Ropar, Punjab	Educational Institute	23-01-2019 00:00:00	29-01-2019 00:00:00	7	25	0	25	Yes	41st position	Baja SAEIndia 2019	Yes	1213116
Inter IIT Tech meet	Innovation	Competition	IIT Bombay	Educational Institute	17-12-2018 00:00:00	19-12-2018 00:00:00	3	10	0	10	Yes	1st position - Gold medal	7th Inter IIT Tech Meet	Yes	295666
International robotics challenge	Innovation	Competition	IIT Bombay	Educational Institute	12-12-2018 00:00:00	15-12-2018 00:00:00	4	5	0	5	Yes	3rd position International	International robotics challenge	Yes	69797
Smart India hardware hackathon	Innovation	Hardware Hackathon	Organized by MHRD and Hosted by Tinkering Lab, IIT Roorkee	Govt. Agency (Central)	18-06-2018 00:00:00	22-06-2018 00:00:00	5	42	0	42	Yes	1st position	RMD Concept creators.The me (Clean water)(Managing 24 7 water supply - Water Supply Monitor)	Yes	850901

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
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TIDES Accelerator Program	Entrepreneurship/Startup	Short term Certificate	Short Term Certificate Course	01-03-2019 00:00:00	07-08-2019 00:00:00	160	Offline	30	28	100
Training on LPKF Circuit Board Plotter Protomat S103	Entrepreneurship/Startup	Short term Certificate	Short Term Certificate Course	29-05-2018 00:00:00	30-05-2018 00:00:00	2	Offline	30	30	30
Innovation business Models and Entrepreneurship	IPR, Entrepreneurship/Startup, Innovation	Elective/Core Credit Course	Bachelor	14-01-2019 00:00:00	13-05-2019 00:00:00	120	Offline	150	150	42
Innovation business Models and Entrepreneurship	IPR, Entrepreneurship/Startup, Innovation	Short term Certificate	Bachelor	12-07-2018 00:00:00	12-11-2018 00:00:00	124	Offline	150	150	42

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?
				Facility Incharge Name	Facility Incharge Email		Yes	No	
TIDES Business Incubator	Incubation Unit	2015	TIDES, Old Library Building, IIT Roorkee, Roorkee	Azam Ali Khan	tides@iitr.ac.in	10000 Sq. Ft.	6030816.00	6241416.35	No
Tinkering Lab	Pre-Incubation Centre	2016	Old Library Building, IIT Roorkee, Roorkee	Prof Akshay Dvivedi	dvaksfme@iitr.ac.in	8000 Sq. Ft.	472500.00	1017672.00	No
Design Innovation Centre	Pre-Incubation Centre	2018	IIT Roorkee	Prof Apurbba Kumar Sharma	akshafme@iitr.ac.in	10000 Sq. Ft.	12500000	0	No

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

TIDES Business Incubator	Funding Agency	NSTEDB	Govt. Agency (Central)	Yes	6500000
TIDES Business Incubator	Funding Agency	BIRAC, DBT	Govt. Agency (Central)	Yes	20600000
Tinkering Lab	Institute's Own Fund / Resource	---	---	Yes	1900000.00
Design Innovation Centre	Funding Agency	MHRD	Govt. Agency (Central)	Yes	20600000

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/Incubation 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/Innovations 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/Innovations for the pre-incubation/incubation support and the services offered by Pre-incubation/incubation or institute during the financial period 2018-19?
BLUETHUNDER COMICS PRIVATE LIMITED	TIDES Business Incubator	TRL 5 : Large scale prototype tested in intended environment.	Student	2018	Non-IP / Non-Patented Technology	Still Under Development Process	TRL 5 : Large scale prototype tested in intended environment.	Yes Total Seed Grant/Fund Amount Disbursed to above Idea/Prototype/Innovations Development by Centre (In Rupees) 498028	Yes Total Seed Fund/Angel Investment/VC Fund raised by Idea/Prototype/Innovations during the period of pre-incubation/incubation support at your Pre-incubation/incubation or institute financial period 2018-19 (in Rupees) 498028 Seedfund/Angel/VC Agency Name Agency Type Angel Investor/Venture Capitalist/High Net worth Individual (HNIs)	No

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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/Incubation 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/Innovations 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/Innovations for the pre-incubation/incubation support and the services offered by Pre-incubation/incubation or institute during the financial period 2018-19?																																	
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Recogsquare Private Limited	TIDES Business Incubator	TRL 8 : First of a kind commercial system. Manufacturing issues solved.	Student	2018	Non-IP / Non-Patented Technology	Receiving Incubation Support at Incubation Centre	TRL 8 : First of a kind commercial system. Manufacturing issues solved.	<table border="1"> <tr> <td>Yes</td> </tr> <tr> <td>Total Seed Grant/Fund Amount Disbursed to above Idea/Prototype/Innovations Development by Centre (In Rupees)</td> </tr> <tr> <td>200000</td> </tr> </table>	Yes	Total Seed Grant/Fund Amount Disbursed to above Idea/Prototype/Innovations Development by Centre (In Rupees)	200000	No	No																														
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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/Incubation 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/Innovations 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/Innovations for the pre-incubation/incubation support and the services offered by Pre-incubation/incubation or institute during the financial period 2018-19?								
Vyaan Purifiers Private Limited	TIDES Business Incubator	TRL 5 : Large scale prototype tested in intended environment.	Alumni Entrepreneur	2018	Non-IP / Non-Patented Technology	Receiving Incubation Support at Incubation Centre	TRL 5 : Large scale prototype tested in intended environment.	Yes Total Seed Grant/Fund Amount Disbursed to above Idea/Prototype/Innovations Development by Centre (In Rupees) 200000	No	No								
Principal Innovator																		
Name			Type		Gender		Email		Contact									
Jathin Jagannath			Alumni Entrepreneur		Male		tides@iitr.ac.in		01332285736									
Co-Innovator																		
Name			Type		Gender		Email		Contact									
Vijay Poonia			Alumni Entrepreneur		Male		tides@iitr.ac.in		01332285736									
Peristaltic pump	Tinkering Lab	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype).	Faculty and Student	2018	<table border="1"> <tr> <th colspan="2">IP / Patented Technology</th> </tr> <tr> <td>Applied for Patent</td> <td>Yes</td> </tr> <tr> <td>Patent Application No</td> <td>2018 1103 1020</td> </tr> <tr> <td>Year of Patent Application</td> <td>2018</td> </tr> </table>	IP / Patented Technology		Applied for Patent	Yes	Patent Application No	2018 1103 1020	Year of Patent Application	2018	Completed and Ready for Commercialization/Incubation	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype).	Yes Total Seed Grant/Fund Amount Disbursed to above Idea/Prototype/Innovations Development by Centre (In Rupees) 25000	No	No
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Four way directional control valve	Tinkering Lab	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype).	Student	2018	Non-IP / Non-Patented Technology	Completed and Ready for Commercialization/Incubation	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype).	<table border="1"> <tr> <td>Yes</td> </tr> <tr> <td>Total Seed Grant/Fund Amount Disbursed to above Idea/Prototype/Innovations Development by Centre (In Rupees)</td> </tr> <tr> <td>0</td> </tr> </table>	Yes	Total Seed Grant/Fund Amount Disbursed to above Idea/Prototype/Innovations Development by Centre (In Rupees)	0	No	No																																																															
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Principal Innovator																																																																												
Name				Type		Gender		Email		Contact																																																																		
M.Shah Faizan				Student		Male		shahfaizan.1994@gmail.com		9045141986																																																																		
No	Development of grinding assisted rotary electrochemical discharge machining facility for multiple operations	Tinkering Lab	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype).	Faculty and Student	2019	Non-IP / Non-Patented Technology	Completed and Ready for Commercialization/Incubation	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype).	No	No																																																																		
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Co-Innovator										Development of modular accessory for mobility enhancement of manual wheelchairs
Name		Type		Gender		Email		Contact		
Tarlochan singh		Student		Male		malhi.dme2014@iitr.ac.in		9464217483		
Tinkering Lab	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype).	Faculty and Student	2019	Non-IP / Non-Patented Technology	Completed and Ready for Commercialization/Incubation	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype).	No	No	No	
Principal Innovator										Smart Spin coater
Name		Type		Gender		Email		Contact		
Prof.Akshay Dvivedi		Faculty		Male		dvaksfme@iitr.ac.in		01332285428		
Co-Innovator										Smart Spin coater
Name		Type		Gender		Email		Contact		
Aditya Peshin		Student		Male		adityapeshin.iitr@gmail.com		8979999701		
Tinkering Lab	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	Student	2018	Non-IP / Non-Patented Technology	Still Under Development Process	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	No	No	No	
Principal Innovator										Smart Spin coater
Name		Type		Gender		Email		Contact		
Ankit kumar		Student		Male		akumar3@ph.iitr.ac.in		8630647311		

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Magnetic-field actuated hybrid nanofiber scaffold and apparatus for 4D tissue engineering	TIDES Business Incubator	TRL 5 : Large scale prototype tested in intended environment.	Faculty	2019	Non-IP / Non-Patented Technology	Completed and Ready for Commercialization/Incubation	TRL 5 : Large scale prototype tested in intended environment.	No	<table border="1"> <tr> <td colspan="2" data-bbox="1839 419 2009 467">Yes</td> </tr> <tr> <td colspan="2" data-bbox="1839 467 2009 798">Total Seed Fund/Angel Investment/VC Fund raised by Idea/Prototype/Innovations during the period of pre-incubation/incubation support at your Pre-incubation/incubation or institute during financial period 2018-19 (in Rupees)</td> </tr> <tr> <td colspan="2" data-bbox="1839 798 2009 842">0</td> </tr> <tr> <td data-bbox="1839 842 1924 979">Seedfund/Angel/VC Agency Name</td> <td data-bbox="1924 842 2009 979">BIRAC</td> </tr> <tr> <td data-bbox="1839 979 1924 1098">Agency Type</td> <td data-bbox="1924 979 2009 1098">Govt. Agency (Central)</td> </tr> </table>	Yes		Total Seed Fund/Angel Investment/VC Fund raised by Idea/Prototype/Innovations during the period of pre-incubation/incubation support at your Pre-incubation/incubation or institute during financial period 2018-19 (in Rupees)		0		Seedfund/Angel/VC Agency Name	BIRAC	Agency Type	Govt. Agency (Central)	No
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Seedfund/Angel/VC Agency Name	BIRAC																			
Agency Type	Govt. Agency (Central)																			
Principal Innovator																				
Name				Type		Gender		Email		Contact										
Dr P Gopinath				Faculty		Male		pgopifnt@iitr.ac.in		01332285650										

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

Name of Start-up Received Funding / Grant from Centre	Name of Centre	Year of Registration	Registered as	Start-up with Corporate Identification Number (CIN) Registration	Start-up Founded by	Type of Innovation	Current Status Pre-Incubation/Incubation Support Received	Has the Start-up Grown to a stage of Employment Generation to 10 Numbers or an annual Turnover to Rs. 50 Lakhs during the financial year 2018-19	Had Centre/institute provided any Financial support (either own resource or fund received from agencies) in terms of Seed Grant/Fund Support to Start-up during the financial period 2018-19?	Had the Start-up 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 Start-up for the pre-incubation/incubation support and the services offered by Pre-incubation/incubation or institute during the financial period 2018-19 ?										
Bluethunder Comics Private Limited	TIDES Business Incubator	2017-18	Private Limited	U74999MP2017P TC043217	Alumni Entrepreneur	Service Based Business Solution	Receiving Incubation Support from Incubation Unit	No	<table border="1"> <tr> <td data-bbox="1697 427 1877 491">Yes</td> </tr> <tr> <td data-bbox="1697 491 1877 651">Total Seed Grant/Fund Amount Disbursed to Start-up by Institute/Centre (In Rupees)</td> </tr> <tr> <td data-bbox="1697 651 1877 1412">498028</td> </tr> </table>	Yes	Total Seed Grant/Fund Amount Disbursed to Start-up by Institute/Centre (In Rupees)	498028	<table border="1"> <tr> <td data-bbox="1877 427 2056 491">Yes</td> </tr> <tr> <td data-bbox="1877 491 2056 861">Total Seed Fund/Angel Investment/VC Fund raised by Idea/Prototype /Innovations during the period of pre-incubation/incubation support at your Pre-incubation/incubation or institute financial period 2018-19 (in Rupees)</td> </tr> <tr> <td data-bbox="1877 861 2056 906">498028</td> </tr> <tr> <td data-bbox="1877 906 1966 1066">Seedf und/A ngel/V C Agenc y Name</td> <td data-bbox="1966 906 2056 1066">Start up Bud dy</td> </tr> <tr> <td data-bbox="1877 1066 1966 1412">Agenc y Type</td> <td data-bbox="1966 1066 2056 1412">Ang el Inve stor/ Vent ure Capi talist /Hig h Net wort h Indiv idual (HNI s)</td> </tr> </table>	Yes	Total Seed Fund/Angel Investment/VC Fund raised by Idea/Prototype /Innovations during the period of pre-incubation/incubation support at your Pre-incubation/incubation or institute financial period 2018-19 (in Rupees)	498028	Seedf und/A ngel/V C Agenc y Name	Start up Bud dy	Agenc y Type	Ang el Inve stor/ Vent ure Capi talist /Hig h Net wort h Indiv idual (HNI s)	No
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	Founder													
	Name		DIN Number		Type		Gender		Email		Contact			
	Rajeev Tamhankar		NA		Alumni Entrepreneur		Male		tides@iitr.ac.in		01332285736			
	Co-Founder													
	Name		DIN Number		Type		Gender		Email		Contact			
	Mohit Tamhankar		NA		Innovator/Entrepreneur External to Institute		Male		tides@iitr.ac.in		01332285736			
Recogsquare Private Limited	TIDES Business Incubator	2018-19	Private Limited	U72900UP2018P TC109846	Innovator/Entrepreneur External to Institute	Non-IP / Non-Patented Technology	Receiving Incubation Support from Incubation Unit	No	<table border="1"> <tr> <td>Yes</td> </tr> <tr> <td>Total Seed Grant/Fund Amount Disbursed to Start-up by Institute/Centre (In Rupees)</td> </tr> <tr> <td>200000</td> </tr> </table>	Yes	Total Seed Grant/Fund Amount Disbursed to Start-up by Institute/Centre (In Rupees)	200000	No	No
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200000														
	Founder													
	Name		DIN Number		Type		Gender		Email		Contact			
	Sarthak Goel		NA		Innovator/Entrepreneur External to Institute		Male		tides@iitr.ac.in		01332285736			
	Co-Founder													
	Name		DIN Number		Type		Gender		Email		Contact			
	Kunwar		NA		Innovator/Entrepreneur External to Institute		Male		tides@iitr.ac.in		01332285736			

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Vyaan Purifiers Private Limited	TIDES Business Incubator	2018-19	Private Limited	U74999TG2018P TC129300	Alumni Entrepreneur	Non-IP / Non-Patented Technology	Receiving Incubation Support from Incubation Unit	No	Yes	No	No																		
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Co-Incubation Partnership

Type of Partnership	Partnership Institute Name	Type of Support Offered	No. of Student Projects/ Ideas / Innovation / Startups Supported	Date of MOU / Agreement Signed on
Incubation Services/Support Extended to Other Institute	Engineers India Limited	Incubation	3	28-03-2018

Technology Commercialization / Transfer

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)
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Technology Commercialization / Transfer

Indian Institute of Technology Roorkee	IP/Patented Technology	Licensing with Royalty Sharing	201711007507	<table border="1"> <tr> <td data-bbox="848 111 1010 236">Patent/Licence Holder name (Institute Co-ownership is Must)</td> <td data-bbox="1010 111 1144 236">Prof P Gopinath</td> </tr> <tr> <td data-bbox="848 236 1010 320">Contact number of license holder</td> <td data-bbox="1010 236 1144 320">01332285650</td> </tr> <tr> <td data-bbox="848 320 1010 384">Email of Licence holder</td> <td data-bbox="1010 320 1144 384">pgopifnt@iitr.ac.in</td> </tr> <tr> <td data-bbox="848 384 1010 780">Gender</td> <td data-bbox="1010 384 1144 780">Male</td> </tr> </table>	Patent/Licence Holder name (Institute Co-ownership is Must)	Prof P Gopinath	Contact number of license holder	01332285650	Email of Licence holder	pgopifnt@iitr.ac.in	Gender	Male	Centre of Excellence Nanotechnology	<table border="1"> <tr> <td data-bbox="1370 111 1532 196">Licence Transferred to</td> <td data-bbox="1532 111 1666 196">Other organisation/ Agency</td> </tr> <tr> <td data-bbox="1370 196 1532 432">Name of Industry/Start-up/Agency Received License/Technology</td> <td data-bbox="1532 196 1666 432">Two individuals have brought the technology The startup using this technology is to be established in IITR</td> </tr> <tr> <td data-bbox="1370 432 1532 628">Address of Agency</td> <td data-bbox="1532 432 1666 628">Mr R S Rajan 4th floor C5 405 Sahara Grace Behind Sahara Mall Gurgaon Harayan 122002</td> </tr> <tr> <td data-bbox="1370 628 1532 713">Contact Number of Agency</td> <td data-bbox="1532 628 1666 713">9004990009</td> </tr> <tr> <td data-bbox="1370 713 1532 780">Email of Agency</td> <td data-bbox="1532 713 1666 780">livpure1@gmail.com</td> </tr> </table>	Licence Transferred to	Other organisation/ Agency	Name of Industry/Start-up/Agency Received License/Technology	Two individuals have brought the technology The startup using this technology is to be established in IITR	Address of Agency	Mr R S Rajan 4th floor C5 405 Sahara Grace Behind Sahara Mall Gurgaon Harayan 122002	Contact Number of Agency	9004990009	Email of Agency	livpure1@gmail.com	Yes	500000
Patent/Licence Holder name (Institute Co-ownership is Must)	Prof P Gopinath																									
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Declaration

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

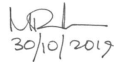
Joint Declaration by the Head of the Institute and Nodal Officer

Dear Sir,

Herewith, myself Prof. M. Parida (Head of Institute) and Prof. P. Jeevanandam (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



30/10/2019

Prof. M. Parida
Head of the Institution,
Indian Institute of Technology Roorkee,
Roorkee, Uttarakhand

Nodal officer



30/10/2019

Prof. P. Jeevanandam
Nodal Officer,
Indian Institute of Technology Roorkee,
Roorkee, Uttarakhand

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