



ARIIA

ATAL RANKING OF INSTITUTIONS ON INNOVATION ACHIEVEMENTS



MoE
Ministry of Education
Government of India

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

Institute Name: Indian Institute of Technology (Indian School of Mines) Dhanbad [ARI-U-0205]

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

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)
Office of Dean Research and Development	Industry Institute Interface Unit	Drives strategic planning and provide guidance across academic and research programs in all branches of Engineering, Sciences, Humanities and Management	Not Allowed	Not Allowed	0	0	0
Centre for Innovation, Incubation and Entrepreneurship	Incubation Unit	Incubation	Not Allowed	Not Allowed	0	0	0
Centre for Innovation, Incubation and Entrepreneurship	Pre-incubation unit	Pre-incubation	Not Allowed	Not Allowed	0	0	0
Centre for Innovation, Incubation and Entrepreneurship	IPR Cell / Patent Facilitation Unit / Technology Transfer Centre	Intellectual Property	Not Allowed	Not Allowed	0	0	0
Central Research Facility	Centre of Excellence with Advance Tools & Equipment	To support and promote inter and multidisciplinary research in contemporary and frontier areas	Not Allowed	Not Allowed	0	0	0
Applied Geology	Academic Department with lab facility	Applied Geology	UG / PG / PhD	Technical	444	18	0
Applied Geophysics	Academic Department with lab facility	Applied Geophysics	UG / PG / PhD	Technical	333	12	0
Chemical Engineering	Academic Department with lab facility	Chemical Engineering	UG / PG / PhD	Technical	198	17	0
Chemistry	Academic Department with lab facility	Chemistry	UG / PG / PhD	Technical	224	18	0
Civil Engineering	Academic Department with lab facility	Civil Engineering	UG / PG / PhD	Technical	295	16	0
Computer Science and Engineering	Academic Department with lab facility	Computer Science and Engineering	UG / PG / PhD	Technical	889	19	0
Electrical Engineering	Academic Department with lab facility	Electrical Engineering	UG / PG / PhD	Technical	658	15	0

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

Electronics Engineering	Academic Department with lab facility	Electronics Engineering	UG / PG / PhD	Technical	833	26	0
Environmental Science and Engineering	Academic Department with lab facility	Environmental Science and Engineering	UG / PG / PhD	Technical	327	14	0
Fuel, Minerals and Metallurgical Engineering	Academic Department with lab facility	Fuel, Minerals and Metallurgical Engineering	UG / PG / PhD	Technical	237	14	0
Management Studies	Academic Department with lab facility	Management Studies	UG / PG / PhD	Both	243	20	0
Mathematics and Computing	Academic Department with lab facility	Mathematics and Computing	UG / PG / PhD	Technical	456	24	0
Mechanical Engineering	Academic Department with lab facility	Mechanical Engineering	UG / PG / PhD	Technical	882	29	0
Mining Engineering	Academic Department with lab facility	Mining Engineering	UG / PG / PhD	Technical	572	24	0
Mining Machinery Engineering	Academic Department with lab facility	Mining Machinery Engineering	UG / PG / PhD	Technical	280	14	0
Petroleum Engineering	Academic Department with lab facility	Petroleum Engineering	UG / PG / PhD	Technical	389	16	0
Physics	Academic Department with lab facility	Physics	UG / PG / PhD	Technical	259	20	0

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	Yes	Not Required
Establishment of Institution's Innovation Council (IIC) at HEI	Yes	IIC Registration ID : IC201810469
Trained Innovation Ambassadors at HEI	Yes	Not Required
Participation in Smart India Hackathon (SIH)	Yes	Not Required
Facilitated listing start-ups/ technologies in Young India combating COVID with Knowledge, Technology and Innovation (YUKTI 2.0) portal of MIC	Yes	Not Required
Participation in National Education Alliance of Technology (NEAT)	No	Not Required

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?
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Details of Co-curricular events/programs related to Innovation, IPR and Entrepreneurship/Start-up Conducted by the HEI

1	Webinar on Future of Technical Education in India and AICTE initiatives for betterment of higher education in India by AICTE	Entrepreneurship/Startup	Motivational speak	Institute Lead Activity	Centre for Innovation, Incubation and Entrepreneurship(CIIE)	22-04-2019 00:00:00	22-04-2019 00:00:00	1	Within Campus	70	1	0	0	71	<div style="background-color: #002060; color: white; padding: 5px; text-align: center;"> Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) </div> 25000	No	
2	Webinar on Innovation for Resurgent India	Innovation	Motivational speak	Institute Lead Activity	Centre for Innovation, Incubation and Entrepreneurship(CIIE)	22-08-2019 00:00:00	22-08-2019 00:00:00	1	Within Campus	50	5	0	0	55		No	No
3	Logo Competition	Innovation	Innovation Contest	Institute Lead Activity	Centre for Innovation, Incubation and Entrepreneurship(CIIE)	03-10-2019 00:00:00	12-10-2019 00:00:00	10	Within Campus	23	0	0	0	23		No	No
4	Interactive Session for 4th National Entrepreneurship Awards for 2019	Entrepreneurship/Startup	Awareness	Institute Lead Activity	Centre for Innovation, Incubation and Entrepreneurship(CIIE)	02-09-2019 00:00:00	02-09-2019 00:00:00	1	Within Campus	37	1	0	1	39		No	No
5	A guest lecture on Business in Innovation Era-Leveraging Intellectual Property System	Innovation	Awareness	Institute Lead Activity	Centre for Innovation, Incubation and Entrepreneurship(CIIE)	25-09-2019 00:00:00	25-09-2019 00:00:00	1	Within Campus	89	1	0	0	90		No	No
6	Entrepreneurial talk on IoT, Industrial Automation and Medical Robotics	Entrepreneurship/Startup	Skill development	Institute Lead Activity	Centre for Innovation, Incubation and Entrepreneurship(CIIE)	30-10-2019 00:00:00	30-10-2019 00:00:00	1	Within Campus	10	1	0	0	11		No	No

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

7	Waterjet processes and related 4.0 applications	Innovation	Workshop	Institute Lead Activity	Mechanical Engineering	07-12-2019 00:00:00	08-12-2019 00:00:00	2	Within Campus	86	10	31	6	133	No	No	
8	Piyush Dutta Innovation & Invention Prize	Innovation	Innovation Contest	Institute Lead Activity	Centre for Innovation, Incubation and Entrepreneurship(CIIE)	28-11-2019 00:00:00	28-11-2019 00:00:00	1	Within Campus	8	5	0	0	13	No	No	
9	Internal Smart India Hackathon	Innovation	Innovation Contest	Institute Lead Activity	Centre for Innovation, Incubation and Entrepreneurship(CIIE)	17-01-2020 00:00:00	19-01-2020 00:00:00	3	Within Campus	258	9	0	0	267	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	35287	Award / Position / Recognition Secured Nominated for Smart India Hackathon conducted by MHRD
																Title of Innovation / Start-up Secured the Award / Recognition Team Skylake, Idhar Solution Hae, Saviours, AI Fanatics, HAR3D, Fakes, Vibhav, We are Groot, Flying Machine, NeverGive Up, Enigma	
																Award/Recognition/Achievement Received for	
10	Half day workshop on NATIONAL Innovation and Startup Policy	Innovation	Workshop	Institute Lead Activity	Centre for Innovation, Incubation and Entrepreneurship(CIIE)	25-01-2020 00:00:00	25-01-2020 00:00:00	1	Within Campus	20	2	0	2	24	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	599	No

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

15	National Conference on Modeling Analysis & Simulation: Exploring the Nonlinear world of Mathematics (MAS-2019)	Innovation	Conference	Institute Lead Activity	Department of Mathematics and Computing,	16-12-2019 00:00:00	18-12-2019 00:00:00	3	Within Campus	24	89	14	0	127	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	510000	No
16	Industry Institute Interaction (Technology 2050: The March Towards Innovation)	Innovation	Motivational speak	Institute Lead Activity	Indian Institute of Technology (Indian School of Mines) Dhanbad	01-02-2020 00:00:00	01-02-2020 00:00:00	1	Within Campus	723	293	0	57	1073	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	5598324	No
17	Concetto 2019	Entrepreneurship/Startup, Innovation	Awareness	Institute Lead Activity	Indiant Institute of Technology (ISM) Dhanbad	18-10-2019 00:00:00	20-10-2019 00:00:00	3	Within Campus	2000	20	258	3	2281	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	1564000	No
18	Khanan 2019	Innovation	Ideation	Student Lead Activity	Education Institute	06-09-2019 00:00:00	08-09-2019 00:00:00	3	Within Campus	510	18	200	8	736	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	850000	No

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

Smo	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	Shuruuat -TX1.0	Entrepreneurship/Startup	Workshop	Digital Raasta	Non-Govt. Agencies	29-02-2020 00:00:00	29-02-2020 00:00:00	1	2	4	6	No	---	---	No	No

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

2	KPMG Ideation Challenge e2020	Innovation	Innovation Contest	KPMG	Non-Govt. Agencies	21-12-2019 00:00:00	15-02-2020 00:00:00	57	3	0	3	Yes	National winner and represented India in the Global Finals	Deployment of Drones enabled with satellite imagery sensors to detect and map the minerals using custom algorithm	No	<table border="1"> <tr> <td>Award / Position / Recognition Secured</td> <td>National winner and represented India in the Global Finals</td> </tr> <tr> <td>Title of Innovation / Start-up Secured the Award / Recognition</td> <td>Deployment of Drones enabled with satellite imagery sensors to detect and map the minerals using custom algorithm</td> </tr> <tr> <td>Award/Recognition/Achievement Received for</td> <td>Idea/Innovation/Prototype</td> </tr> </table>		Award / Position / Recognition Secured	National winner and represented India in the Global Finals	Title of Innovation / Start-up Secured the Award / Recognition	Deployment of Drones enabled with satellite imagery sensors to detect and map the minerals using custom algorithm	Award/Recognition/Achievement Received for	Idea/Innovation/Prototype
Award / Position / Recognition Secured	National winner and represented India in the Global Finals																						
Title of Innovation / Start-up Secured the Award / Recognition	Deployment of Drones enabled with satellite imagery sensors to detect and map the minerals using custom algorithm																						
Award/Recognition/Achievement Received for	Idea/Innovation/Prototype																						
3	Webinar on Future of Technical Education in India and AICTE initiatives for betterment of higher education in India by AICTE	Entrepreneurship/Startup	Motivational speak	MHRDs Innovation CELL(MIC)	Govt. Agency (Central)	22-04-2019 00:00:00	22-04-2019 00:00:00	1	70	1	71	No	---	---	<table border="1"> <tr> <td>Total Total Expense Amount Incurred by Institute? (In Rupees)</td> <td>25000</td> </tr> </table>		Total Total Expense Amount Incurred by Institute? (In Rupees)	25000	No				
Total Total Expense Amount Incurred by Institute? (In Rupees)	25000																						
4	Webinar on Innovation for Resurgent India	Innovation	Motivational speak	MHRDs Innovation Cell(MIC)	Govt. Agency (Central)	22-08-2019 00:00:00	22-08-2019 00:00:00	1	50	5	55	No	---	---	No	No							
5	Interactive Session for 4th National Entrepreneurship Awards for 2019	Entrepreneurship/Startup	Awareness	XLRI, Jamshedpur, Regional Partner of Ministry of Skill Development and Entrepreneurship, Government of India	Govt. Agency (Central)	02-09-2019 00:00:00	02-09-2019 00:00:00	1	37	1	38	No	---	---	No	No							

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

6	Internal Smart India Hackathon	Innovation	Innovation Contest	MHRDs Innovation Cell(MIC)	Govt. Agency (Central)	17-01-2020 00:00:00	19-01-2020 00:00:00	3	258	9	267	Yes	Nominated for Smart India Hackathon conducted by MHRD	Team Skylake, Idhar Solution Hae, Saviours, AI Fanatics, HAR3D, Fakes, Vibhav, We are Groot, Flying Machine, NeverGiveUp, Enigma	Total Total Expense Amount Incurred by Institute? (In Rupees)	35287	Award / Position / Recognition Secured	Nominated for Smart India Hackathon conducted by MHRD
																	Title of Innovation / Start-up Secured the Award / Recognition	Team Skylake, Idhar Solution Hae, Saviours, AI Fanatics, HAR3D, Fakes, Vibhav, We are Groot, Flying Machine, NeverGiveUp, Enigma
																	Award/Recognition/Achievement Received for	Idea/Innovation/Prototype
7	Cipher Decrypter Womens Hackathon	Innovation	Hackathon	MyAnatomy Private Limited	Corporate / Industry Association	14-02-2020 00:00:00	08-03-2020 00:00:00	24	4	0	4	Yes	Top 4	ansHER	No		Award / Position / Recognition Secured	Top 4
																	Title of Innovation / Start-up Secured the Award / Recognition	ansHER
																	Award/Recognition/Achievement Received for	Idea/Innovation/Prototype
8	Hack-a-bit	Innovation	Hackathon	Bit Mesra, Ranchi	Educational Institute	18-10-2019 00:00:00	21-10-2019 00:00:00	4	3	0	3	Yes	Top 15	Creators	No		Award / Position / Recognition Secured	Top 15
																	Title of Innovation / Start-up Secured the Award / Recognition	Creators
																	Award/Recognition/Achievement Received for	Idea/Innovation/Prototype
9	Youth Delegation Program	Innovation	Seminar	Ministry of Youth Affairs Govt. of India	Govt. Agency (Central)	03-07-2019 00:00:00	10-07-2019 00:00:00	8	1	0	1	No	---	---	No		No	

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	Entrepreneurship and New Ventures	Entrepreneurship/Startup	Elective/Core Credit Course	PhD	Management Studies	26-07-2019	25-11-2019	123	Offline	1	39
2	Mining and Environmental Aspects of the Industry	Innovation	Short term Course	Short Term Certificate Course	Department of environment science and engg	21-10-2019	25-10-2019	5	Offline	35	30
3	Mining and Environment	Innovation	Short term Course	Short Term Certificate Course	Department of Environment Science and Engg	11-11-2019	15-11-2019	5	Offline	30	30
4	Application of Remote Sensing and GIS for Environmental Management near Mining and Industrial Areas	Innovation	Short term Course	Short Term Certificate Course	Department of Environment Science and Engg	16-12-2019	21-12-2019	6	Offline	40	36
5	Green Skill Development Programme Certificate Course on Pollution Monitor Air and Water	Innovation	Short term Course	Short Term Certificate Course	IITISM ENVIS Centre Deptt of Environmental Science and Engg	09-09-2019	25-10-2019	47	Offline	25	260
6	Green Skill Development Programme Certificate Course on Waste Management	Innovation	Short term Course	Short Term Certificate Course	IIT(ISM) ENVIS Centre Dept of Environmental Science and Engg	27-01-2020	17-03-2020	51	Offline	25	300

LiList the Employment Generation Skill Development Programs Organized by the HEI on Innovation, IPR and Entrepreneurship Development During the Academic Period (2019-20)

Srno	Title of the Training Program	Program Theme	Type of Course	Course Offering Department/Centre/Unit Name	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	Green Skill Development Programme Certificate Course on Pollution Monitor Air and Water	Innovation	Employment Generation Training Programs	Department of Environment Science and Engg	09-09-2019	25-10-2019	47	Offline	25	260
2	Green Skill Development Programme Certificate Course on Waste Management	Innovation	Employment Generation Training Programs	Department of Environment Science and Engg	27-01-2020	17-03-2020	51	Offline	25	300

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	Prof. Md. Irfan	Management Studies	Assistant Professor	No	No

2	Prof. Dheeraj Kumar	Mining Engineering	Dean(IRAA) and Professor	No	No						
3	Prof. Somnath Chattopadhyaya	Mechanical Engineering	Associate Professor	No	No						
4	Prof. R. K. Sinha	Mining Engineering	Assistant Professor	No	No						
5	Prof. Vivek Bajpai	Mechanical Engineering	Assistant Professor	No	No						
6	Prof. Tarachand Amgoth	Computer Science and Engineering	Assistant Professor	No	No						
7	Prof. B. S. Kushvah	Maths and Computing	Associate Professor	No	No						
8	Prof. Rajendra Pamula	Computer Science Engg	Assistant Professor	No	No						
9	Prof. H. B. Mishra	Electronics Engineering	Assistant Professor	No	No						
10	Prof. Arijit Baral	Electrical Engineering	Assistant Professor	No	No						
11	Prof. R. Anand	Applied Geophysics	Assistant Professor	No	No						
12	Prof. Pawan Kumar Singh	Mechanical Engineering	Assistant Professor	No	No						
13	Prof. Saumya Singh	Management Studies	Associate Professor	<table border="1"> <tr> <td>Highest degree name in I&E and IPR</td> <td>PhD</td> </tr> <tr> <td>Degree Type</td> <td>PhD</td> </tr> <tr> <td>Year of Highest degree in I&E and IPR</td> <td>2001</td> </tr> </table>	Highest degree name in I&E and IPR	PhD	Degree Type	PhD	Year of Highest degree in I&E and IPR	2001	No
Highest degree name in I&E and IPR	PhD										
Degree Type	PhD										
Year of Highest degree in I&E and IPR	2001										

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

Srno	Name of Student Club	Type of Club	Year of Establishment	Type of Facilities Available at the Club	Student Club with Access to Other I&E Facilities at the HEI	No of Programs/Activities Organized by the Student Club During the AY 2019-20	Student Club Team Lead Name	Student Club Team Lead Email	Student Club Team Lead Phone
1	Society of Electronics Engineers	Idea Club	2010	Co-working Space	Innovation Labs	2	Devansh Kumar Gupta	devanshgaurav@gmail.com	8318886590
2	Electrical Engineering Society	Idea Club	2009	Co-working Space	Innovation Labs	0	Prof. Biplab Bhattacharya	biplab@iitism.ac.in	9431711085
3	Automotive Club	Innovation Club	2008	Co-working Space, 3D Printing	Innovation Labs, Centre of Excellence with Advance Tools	0	Pulkit Chandra Shekhar Sharma	mechismu@iitism.ac.in	9199106607

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)

Srno	Name of Pre-Incubation Centre	Type of Facility	Year of Establishment	Type of Facilities Available at the Centre	Pre-Incubation with Access to Other I&E Facilities at the HEI	Name of the Funding Schemes Available with Pre-Incubation Unit, if any (Optional)	Facility Details	Total Nos of Dedicated Executive/Management team Strength Engaged at the Facility	Had the Pre-Incubation Unit 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 Pre-Incubation Centre/Facilities?	Had institute spent expenses either from own resource/received fund towards Establishment/Operation of Pre-Incubation Centre/Facilities?
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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)

1	Centre for Innovation, Incubation & Entrepreneurship (CIIE)	Innovation Centre	2015	Co-working Space,3D Printing & Prototype Equipment	Student Clubs	Student Clubs	<table border="1"> <tr> <td>Facility Incharge Name</td> <td>Prof. Pankaj Mishra</td> </tr> <tr> <td>Facility Incharge Email</td> <td>pankaj@iitism.ac.in</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>9470194401</td> </tr> </table>	Facility Incharge Name	Prof. Pankaj Mishra	Facility Incharge Email	pankaj@iitism.ac.in	Facility Incharge Phone	9470194401	12	Yes	No	Yes
Facility Incharge Name	Prof. Pankaj Mishra																
Facility Incharge Email	pankaj@iitism.ac.in																
Facility Incharge Phone	9470194401																
Source of Grant / Fund		Agency Name		Agency Type		Total Grants / Funds Received by Pre-Incubation & Incubation Centre / Facilities exists in Campus (In Rupees)											
Institute's Own Fund / Resource		IIT(ISM), DHANBAD		Govt. Agency (Central)		250000											

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?						
1	Centre of Excellence in Renewable Energy	2015	Incubation Unit, Innovation Labs	Ministry of Education (MoE) [Earlier MHRD], Govt. of India under the Scheme, Establishment of Centre of Excellence for training and Research in Frontier Areas of Science and Technology (FAST)	<table border="1"> <tr> <td>Facility Incharge Name</td> <td>Mukul Kumar Das</td> </tr> <tr> <td>Facility Incharge Email</td> <td>mukuldas@iitism.ac.in</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>9470194846</td> </tr> </table>	Facility Incharge Name	Mukul Kumar Das	Facility Incharge Email	mukuldas@iitism.ac.in	Facility Incharge Phone	9470194846	5	No	No	Yes
Facility Incharge Name	Mukul Kumar Das														
Facility Incharge Email	mukuldas@iitism.ac.in														
Facility Incharge Phone	9470194846														
Source of Grant / Fund		Agency Name		Agency Type		Total Grants / Funds Received by CoE Facility exists in Campus (In Rupees)									
Funding Agency		Ministry of Education (MoE) Earlier MHRD, Govt. of India		Govt. Agency (Central)		40000000									

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

2	Central Research Facility	2013	Innovation Labs, Innovation Park/Research Park, Student Clubs	Institute Fund	Facility Incharge Name	Prof. Sagar Pal	3	No	Yes		Yes
					Facility Incharge Email	hod_crf@iitism.ac.in			Total Annual Income from Training and Skill Development Services (In Rupees)	0	
					Facility Incharge Phone	03262 23576 9			Total Annual Income from (Technical and Business) Mentoring Services (In Rupees)	1250926	
									Total Annual Income from Office Space and Rental Services to Start-ups/Innovators (In Rupees)	0	
Source of Grant / Fund				Agency Name			Agency Type		Total Grants / Funds Received by CoE Facility exists in Campus (In Rupees)		
Institute's Own Fund / Resource				Ministry of Education			Govt. Agency (Central)		113800000		

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	Centre for Innovation, Incubation & Entrepreneurship (CIIE)	2015	Innovation Labs, IPR Cell/Technology Transfer Centre, Student Clubs	NIL	Facility Incharge Name: Prof. Pankaj Mishra Facility Incharge Email: adean_ji@iitism.ac.in Facility Incharge Phone: 94701 94401	12	Yes	No	Yes	
Source of Grant / Fund				Agency Name			Agency Type		Total Grants / Funds Received by Incubation Facility exists in Campus (In Rupees)	
Institute's Own Fund / Resource				IIT(ISM) DHANMBAD			Govt. Agency (Central)		250000	

List the Incubation Facilities at the HEI (>= 1500 Sq. Ft. Floor Area)

2	Naresh Vashisht Centre for Tinkering and Innovation Lab(NVCTI)	2019	Innovation Labs,IPR Cell/Technology Transfer Centre,Student Clubs	Other Source(Alumni)	<table border="1"> <tr> <td>Facility Incharge Name</td> <td>Prof. Pankaj Mishra</td> </tr> <tr> <td>Facility Incharge Email</td> <td>nvcti@iitism.a.c.in</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>94701 94401</td> </tr> </table>	Facility Incharge Name	Prof. Pankaj Mishra	Facility Incharge Email	nvcti@iitism.a.c.in	Facility Incharge Phone	94701 94401	8	Yes	No	Yes
Facility Incharge Name	Prof. Pankaj Mishra														
Facility Incharge Email	nvcti@iitism.a.c.in														
Facility Incharge Phone	94701 94401														
Source of Grant / Fund		Agency Name			Agency Type		Total Grants / Funds Received by Incubation Facility exists in Campus (In Rupees)								
Funding Agency		Alumni Sri Naresh Vashisht			Not-Govt. Agencies		41500000								

List the Innovation Park/Research Park Facilities at the HEI (>= 5000 Sq. Ft. Floor Area)

No Data Filled!

List the IPR Cell/Technology Transfer Centre Facilities at the HEI

Srno	Name of IPR Cell/Technology Transfer Centre Facility	Year of Establishment	IPR Cell/Technology Transfer Centre with Access to Other I&E Facilities at the HEI	Name of the Funding Schemes Available with IPR Cell/Technology Transfer Centre, if any (Optional)	Facility Details	Total Nos of Dedicated Executive/Management team Strength Engaged at the Facility	Had the IPR Cell/Technology Transfer Centre 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 IPR Cell/Technology Transfer Centre?	Had the IPR Cell/Technology Transfer Centre Provided any Funding Support for Idea/Prototype/Innovation/Start up/Venture Development and implementation during the Financial Year 2019-20?						
1	Centre for Innovation, Incubation & Entrepreneurship (CIIE)	2015	Incubation Unit,Innovation Labs,Student Clubs	Institute's own fund	<table border="1"> <tr> <td>Facility Incharge Name</td> <td>Prof. Pankaj Mishra</td> </tr> <tr> <td>Facility Incharge Email</td> <td>pankaj@iitism.ac.in</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>94701 94401</td> </tr> </table>	Facility Incharge Name	Prof. Pankaj Mishra	Facility Incharge Email	pankaj@iitism.ac.in	Facility Incharge Phone	94701 94401	12	Yes	No	Yes
Facility Incharge Name	Prof. Pankaj Mishra														
Facility Incharge Email	pankaj@iitism.ac.in														
Facility Incharge Phone	94701 94401														
Source of Grant / Fund		Agency Name			Agency Type		Total Grants / Funds Received by Incubation Facility exists in Campus (In Rupees)								
Institute's Own Fund / Resource		IIT(ISM), DHANBAD			Govt. Agency (Central)		194420								

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	Prof. Dheeraj Kumar	Dean(IRAA) and Assistant Professor	Idea/Innovation Development	3

Provide detail list of Faculties as Mentor to help Ideas/Innovations/Startups

	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	DroneEye		Within	
2	Prof. Somnath Chattopadhyaya	Assistant Professor	Idea/Innovation Development	3
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	SLS based 3D printing technology		Within	
3	Prof. R. K. Sinha	Assistant Professor	Idea/Innovation Development	1
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	DAAP Research		Within	
4	Prof. Vivek Bajpai	Assistant Professor	Idea/Innovation Development	1
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	Generating electricity from trees		Within	
5	Prof. Tarachand Amgoth	Computer Science and Engineering	Idea/Innovation Development	1
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	Platform for Hobbyists to learn and earn		Within	
6	Prof. B. S. Kushvah	Maths and Computing	Idea/Innovation Development	1
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	There4u		Within	
7	Prof. Rajendra Pamula	Assistant Professor	Idea/Innovation Development	1
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	AI- based model photography		Within	
8	Prof. Dheeraj Kumar	Dean(IRAA) and Professor	Idea/Innovation Development	3
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	DroneEye		Within	
9	Prof. Somnath Chattopadhyaya	Associate Professor	Idea/Innovation Development	3
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	SLS based 3D printing technology		Within	

Provide detail list of Faculties as Mentor to help Ideas/Innovations/Startups

10	Prof. Tarachand Amgoth	Assistant Professor	Idea/Innovation Development	1						
<table border="1"> <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> <tr> <td>Platform for Hobbyists to learn and earn</td> <td>Within</td> <td></td> </tr> </table>					Name of Idea/Innovation/ Startup Mentored	Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)	Platform for Hobbyists to learn and earn	Within	
Name of Idea/Innovation/ Startup Mentored	Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)								
Platform for Hobbyists to learn and earn	Within									
11	Prof. B. S. Kushvah	Associate Professor	Idea/Innovation Development	1						
<table border="1"> <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> <tr> <td>There4u</td> <td>Within</td> <td></td> </tr> </table>					Name of Idea/Innovation/ Startup Mentored	Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)	There4u	Within	
Name of Idea/Innovation/ Startup Mentored	Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)								
There4u	Within									

Provide detail list of External Experts/Agencies engaged as Mentor to help Ideas/Innovations/Startups

No Data Filled!

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 Converted 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	Providing a suitable indication/warning to people in case metal electricity pole get exposed to live system potential during the rainy season	Process Innovation	Technological	Co-working space and CIIE technical support	Student	TRL 0 : Idea. Unproven concept, no testing has been performed .	TRL 0 : Idea. Unproven concept, no testing has been performed .	Innovation Development Ongoing	No	No	No	No	No										
<table border="1"> <tr> <th>Name</th> <th>Type</th> <th>Gender</th> <th>Email</th> <th>Contact</th> </tr> <tr> <td>Mr. Tanmay Budholia</td> <td>Student</td> <td>Male</td> <td>tanmaybudholia@gmail.com</td> <td>9340112067</td> </tr> </table>														Name	Type	Gender	Email	Contact	Mr. Tanmay Budholia	Student	Male	tanmaybudholia@gmail.com	9340112067
Name	Type	Gender	Email	Contact																			
Mr. Tanmay Budholia	Student	Male	tanmaybudholia@gmail.com	9340112067																			

Name	Type	Gender	Email	Contact	2
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Disposal and handling of in-house wastage of railway.	Process Innovation	Technological	Co-working space and CIIE technical support	Student	TRL 0 : Idea. Unproven concept, no testing has been performed .	TRL 0 : Idea. Unproven concept, no testing has been performed .	Innovation Development Ongoing	No	No	No	No	No	
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Name	Type	Gender	Email	Contact	Name	Email
Mr. Biswadeep Pal	Student	Male	biswadeeppal01@gmail.com	8777425625		

3	Tracking and handling of human and wild life during operation of high speed train without compromising the train network and speed	Management Process	Technological	Co-working space and CIIE technical support	Student	TRL 0 : Idea. Unproven concept, no testing has been performed .	TRL 0 : Idea. Unproven concept, no testing has been performed .	Innovation Development Ongoing	No	No	No	No	No
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Name	Type	Gender	Email	Contact
Mr. Surya Prakash Mishra	Student	Male	mishrasp393@gmail.com	7735211362

Name	Type	Gender	Email	Contact
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Deployment of modified automated coffee vending machine at IIT ISM Dhanbad	Product Innovation	Technological	Co-working space and CIIE technical support	Student	TRL 0 : Idea. Unproven concept, no testing has been performed .	TRL 0 : Idea. Unproven concept, no testing has been performed .	Innovation Development Ongoing	No	No	No	No	No	4
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Name	Type	Gender	Email	Contact	Name	Email
Ms. Agrima Khanna	Student	Female	agrimakhanna.18je0047@cse.iitism.ac.in	6392476868		

5	End to End application development for business of farmers	Service Innovation	Technological	Co-working space and CIIE technical support	Student	TRL 0 : Idea. Unproven concept, no testing has been performed .	TRL 0 : Idea. Unproven concept, no testing has been performed .	Innovation Development Ongoing	No	No	No	No	No
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Name	Type	Gender	Email	Contact
Mr. Ayush Kumar	Student	Male	ayushk2104@gmail.com	8674901471

Name	Type	Gender	Email	Contact
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Name	Type	Gender	Email	Contact
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Elderly Care System	Service Innovation	Technological	Co-working space and CIIE technical support	Student	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	Innovation Development Ongoing	No	No	No	No	No	
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Name		Type		Gender		Email		Contact		Name	Email
Mr. Pawan Raj		Student		Male		pawan.19je0602@cse.iitism.ac.in		8210223091			

7	Automatically detect and control the loss(theif) of coal during transportation in coal mines.	Process Innovation	Technological	Co-working space and CIIE technical support	Student	TRL 0 : Idea. Unproven concept, no testing has been performed .	TRL 0 : Idea. Unproven concept, no testing has been performed .	Innovation Development Ongoing	No	No	No	No	No
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Name		Type		Gender		Email		Contact	
Mr. Abhinav Raj		Student		Male		rudrabhinav@gmail.com		8709662617	

Name		Type		Gender		Email		Contact	
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Problem is in the hole drilling and matching part of the mine cycle. Almost in all of the Indian dimensional stone mine the hole matching is done manually which leads in mismatching of hole because of human error and also because strata the drill gets deviated sometimes	Product Innovation	Technological	Co-working space and CIIE technical support	Student	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	Innovation Development Ongoing	No	No	7900	No	No	8

Name	Type	Gender	Email	Contact
Mr. Darshil Asawa	Student	Male	darshil.17je002727@me.iitism.ac.in	9571742999

Name	Email

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

Srno	Name of the Venture/Startup/SME Unit Established with the Support of HEI	Type of Innovation of Venture/Startup/SME Unit	Nature of Innovation	Name of the Pre-Incubation/Incubation Unit of HEI Supported Innovation Development	Venture Founded by	Venture Registered as	Year of Registration	What is the current status of Pre-Incubation/Incubation Support to Venture/Startup/ SME Unit as on 31st March 2020?	Had the Venture Received any Recognition at State, National, International Level Programs 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 Venture establishment during the financial period 2019-20?	Had the venture/startup raised any Seed fund/Angel Investment/V C 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 venture/startup for the pre-incubation/incubation support and the services offered by Pre-incubation/incubation or institute during the financial period 2019-20?	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 2019-20?
1	Aithingx Pvt. Ltd.	Process Innovation	Technological	3830	Faculty	Venture with Corporate Identification Number (CIN) Registration U73200 JH2019 PTC013 502	2019-20	Received Incubation Support from Incubation Unit	No	No	No	No	No
Name		DIN number		Type		Gender		Email		Contact			
Prof. Tarachand Amgoth		08573141		Faculty		Male		tarachand@iitism.ac.in		9471191420			
Mrs. Sujatha Amgoth		-		Innovator/Entrepreneur External to Institute		Female		sujata.iitism@gmail.com		9471192274			
2	Varnica Precision Pvt. Ltd.	Product Innovation	Technological	3830	Faculty	Venture with Corporate Identification Number (CIN) Registration U31909 JH2020 PTC013 964	2019-20	Received Incubation Support from Incubation Unit	No	No	No	No	No
Name		DIN number		Type		Gender		Email		Contact			
Prof. Vivek Bajpai		8675308		Faculty		Male		vivek@iitism.ac.in		9430351330			
Mrs. Veenus bajpai		-		Innovator/Entrepreneur External to Institute		Male		veenusatna@gmail.com		7544017628			

3	TOWASO Pvt. Ltd.	Process Innovation	Technologica	3830	Student	Venture with Corporate Identification Number (CIN) Registration	U74999 BR2016 PTC032 352	2016-17	Received Incubation Support from Incubation Unit	No	No	No	No	No
Name		DIN number			Type		Gender			Email		Contact		
Mr. Saurav Kumar		7508060			Student		Male			towasoin@gmail.com		8210875783		
Ms. Soni Kumari		-			Innovator/Entrepreneur External to Institute		Female			sonicrj03@gmail.com		8210884277		
4	Discount Bazar (Trakdeal.com)	Service Innovation	Non-Technologica	3830	External to the Institute/Incubatee	Venture with Corporate Identification Number (CIN) Registration	U74999 JH2016 PTC008 727	2016-17	Received Incubation Support from Incubation Unit	No	No	No	No	No
Name		DIN number			Type		Gender			Email		Contact		
Mr. Sonu Pandit		7477712			Incubatee Entrepreneur		Male			trakdeal33@gmail.com		7004047827		
Mr. Baban Pandit		-			Innovator/Entrepreneur External to Institute		Male			trakdeal33@gmail.com		7004047827		
5	Endorph Future Pvt. Ltd.	Service Innovation	Non-Technologica	3830	Student	Venture with Corporate Identification Number (CIN) Registration	U74999 JH2018 PTC011 291	2018-19	Received Incubation Support from Incubation Unit	No	No	No	No	No
Name		DIN number			Type		Gender			Email		Contact		
Mr. Rishi Raj		8115219			Student		Male			endorphfuture@gmail.com		8797341244		
6	Elitech Earth Science Pvt. Ltd.	Service Innovation	Non-Technologica	3830	Alumni	Venture with Corporate Identification Number (CIN) Registration	U74999 WB2018 PTC22 7371	2018-19	Received Incubation Support from Incubation Unit	No	No	No	No	No

Name	DIN number		Type	Gender		Email	Contact
Mr. Ajit Singh Chowdhury	8046045		Alumni Entrepreneur	Male		mremmanuel@gmail.com	7044407778
Ms. Ruchika Singh Choudhary	-		Innovator/Entrepreneur External to Institute	Female		ruchika.choudhary1983@gmail.com	9331263553

7	JSPR AGRO PRIVATE LIMITED	Product Innovation	Non-Technological	3830	External to the Institute/Incubatee	Venture with Corporate Identification Number (CIN) Registration U74999 JH2018 PTC012 193	2018-19	Received Incubation Support from Incubation Unit	No	No	No	No	No
Name	DIN number		Type	Gender		Email	Contact						
Mr. Hemlal Mahto	7265856		Innovator/Entrepreneur External to Institute	Male		grambharti3447@gmail.com	9955323447						

8	S. S. Plugman Electrical Pvt. Ltd.	Product Innovation	Technological	3830	External to the Institute/Incubatee	Venture with Corporate Identification Number (CIN) Registration U31909 JH2019 PTC013 211	2019-20	Received Incubation Support from Incubation Unit	No	No	No	No	No
Name	DIN number		Type	Gender		Email	Contact						
Mr. Sailesh Kumar Saw	8512880		Innovator/Entrepreneur External to Institute	Male		ssplugmanelectricals@gmail.com	6200785690						

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	Atal Vihari Bajpayee Innovation Lab	Govt. Agency (State)	Collaboration with Startups/Industry Associations/Knowledge Agencies to Promote I&E Activities and/or Internship Opportunities	Pre-incubation, Incubation, Mentoring, Networking, Investment, Seed fund	3	19-06-2019
2	Shri Piyush K. Dutta and ISM Alumni Association North America Chapter	Non-Govt. Agencies	Providing (or) Receiving Incubation/Pre-Incubation Support Services to Innovators/Startups	Seed fund	3	29-07-2019
3	Ashutosh Ashish and Anup Poddar and ISM Alumni Association North America Chapter	Non-Govt. Agencies	Providing (or) Receiving Incubation/Pre-Incubation Support Services to Innovators/Startups	Seed fund	0	24-12-2019

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

No Data Filled!

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	Method for real time monitoring of liquid level for wireless transmission system	201931054793	National	2019 - 12	Uploaded
	2	Composite material for break pad	202031005648	National	2020 - 02
Uploaded		3	A machine structure to reduce vibration of Micro-Milling machine	201931049978	National

List the IPs hold by the Innovation teams/Startups Incubated at the Pre-incubation/incubation Unit of the HEI

Srno	Title/Name of IP	Type of IP	IP Registration Number	Current Status of IP as on 31st March 2020	Copy of IP screenshot
1	A machine structure to reduce vibration of Micro-Milling machine	PatentsHoldByInnovations	201931049978	Published	NA
	Applicant Name		Applicant Type		Start-up/Innovator Name
	Applicant name- IIT(ISM) Dhanbad, Inventor(s): Prof. Vivek Bajpai, Mr. Rachit Ranjan, Mr. Shashank Shukla		Incubatee Startup		Mechanical Engineering

List the IP Commercialized/Transferred Published & Granted to HEI as Co-applicant/Co-owner

No Data Filled!

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. Rajiv Shekhar (Head of Institute) and Dr. Nirupama Mandal (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

Rajiv Shekhar
03/03/21

Prof. Rajiv Shekhar
Head of the Institution,
Dhanbad, Jharkhand

Nodal officer

Nirupama Mandal
03/03/2021

Dr. Nirupama Mandal
Nodal Officer,
Dhanbad, Jharkhand