



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: Netaji Subhash Engineering College [ARI-C-6139]

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)
Computer Science and Engineering, Electronics and Communication Engineering, Electrical Engineering, Applied Electronics and Instrumentation Engineering, Biomedical Engineering, Information Technology, Mechanical Engineering, Civil Engineering, MCA, Basic Science and Management Studies	Academic Department with lab facility	Electronics and Communication Engineering, Computer Science and Engineering, Electrical Engineering, Biomedical Engineering, Mechanical Engineering, Energy Sector, Healthcare Sector, IOT based life style etc.	UG / PG / PhD	Both	3457	197	71

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 : IC201912710
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	No	Not Required
Participation in National Education Alliance of Technology (NEAT)	Yes	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	Orientation Program for 1st Year	Entrepreneurship/Start-up, Innovation	Awareness	Student Lead Activity	EDCELL NSEC	05-08-2019 00:00:00	05-08-2019 00:00:00	1	Within Campus	450	6	0	0	456	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	2500	No
2	Induction Program for 1st Year students	Entrepreneurship/Start-up	Motivational speak	Institute Lead Activity	Entrepreneurship Development Cell (NSEC-EDC)	25-07-2019 00:00:00	25-07-2019 00:00:00	1	Within Campus	515	2	0	0	517	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	2000	No
3	Prototype Exhibition	Innovation	Exhibition	Student Lead Activity	NSEC EDCELL	05-08-2019 00:00:00	05-08-2019 00:00:00	1	Within Campus	450	5	0	0	455	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	1500	No
4	Innovation & Entrepreneurship in Engineering	Entrepreneurship/Start-up, Innovation	Seminar	Institute Lead Activity	Entrepreneurship Development Cell(NSEC-EDC)	15-10-2019 00:00:00	15-10-2019 00:00:00	1	Within Campus	35	85	0	0	120	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	2500	No
5	Celebration of National Innovation Day - Remote Sensing, Cosmology and Chandrayan-II	Innovation	Seminar	Institute Lead Activity	Department of Electronics and Communication Engineering	15-10-2019 00:00:00	15-10-2019 00:00:00	1	Within Campus	67	24	0	0	91	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	2000	No
6	Story telling by innovator student	Innovation	Orientation Session	Student Lead Activity	EDCELL, NSEC	30-11-2019 00:00:00	30-11-2019 00:00:00	1	Within Campus	45	1	0	0	46	No		No
7	My Story - Entrepreneur's Life & Crossroad	Entrepreneurship/Start-up	Motivational speak	Institute Lead Activity	NSEC Entrepreneurship Development Cell (NSEC-EDC)	20-09-2019 00:00:00	20-09-2019 00:00:00	1	Within Campus	75	1	0	0	76	No		No
8	PV (Practice Venture) Booster Workshop	Entrepreneurship/Start-up	Workshop	Institute Lead Activity	NSEC Entrepreneurship Development Cell (NSEC-EDC)	01-12-2019 00:00:00	01-12-2019 00:00:00	1	Within Campus	27	5	30	5	67	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	2500	No

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

9	Seminar on Social Innovation & Entrepreneurship	Entrepreneurship/Startup, Innovation	Seminar	Institute Lead Activity	NSEC Institutions Innovation Council (IIC) and Entrepreneurship Development Cell	07-11-2019 00:00:00	07-11-2019 00:00:00	1	Outside Campus	0	28	0	78	106	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	5000	No
10	One Day Workshop on Design Thinking	Entrepreneurship/Startup, Innovation	Workshop	Student Lead Activity	NSEC Institutions Innovation Council (IIC)	23-11-2019 00:00:00	23-11-2019 00:00:00	1	Within Campus	45	4	0	0	49	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	7000	No
11	One Day Workshop on Framing up Institutional policies in aligning with National Innovation and Start Up Policy	IPR, Entrepreneurship/Startup, Innovation	Workshop	Institute Lead Activity	NSEC Institutions Innovation Council (IIC) and Entrepreneurship Development Cell	21-12-2019 00:00:00	21-12-2019 00:00:00	1	Within Campus	6	57	0	0	63	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	5000	No
12	ONE DAY WORKSHOP ON DIGITAL INSECURITIES IN DIGITAL WORLD	Innovation	Workshop	Institute Lead Activity	NSEC Institutions Innovation Council and Entrepreneurship Development Cell	21-12-2019 00:00:00	21-12-2019 00:00:00	1	Within Campus	8	63	0	0	71	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	5000	No
13	7 DAYS WORKSHOP ON PCB DESIGN, COMPONENT ASSEMBLY & TESTING	Innovation	Training	Institute Lead Activity	Department of Electronics and Communication Engineering	31-08-2019 00:00:00	12-11-2019 00:00:00	74	Within Campus	72	6	0	0	78	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	15000	No
14	ONE DAY VISIT TO MSME DEVELOPMENT INSTITUTE, KOLKATA	Entrepreneurship/Startup	Exposure visit	Institute Lead Activity	NSEC Institutions Innovation Council (NSEC-IIC)	21-11-2019 00:00:00	21-11-2019 00:00:00	1	Outside Campus	0	3	0	0	3	No	No	

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

15	Hult Prize on Campus Competition	Entrepreneurship/Startup	B-Plan Competitions	Student Lead Activity	NSEC EDCELL	25-01-2020 00:00:00	25-01-2020 00:00:00	1	Within Campus	120	4	0	0	124	<table border="1"> <tr> <td>Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)</td> <td>25000</td> </tr> </table>		Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	25000	<table border="1"> <tr> <td>Award / Position / Recognition Secured</td> <td>1st</td> </tr> <tr> <td>Title of Innovation / Start-up Secured the Award / Recognition</td> <td>White Coal from Jute Sticks</td> </tr> <tr> <td>Award/Recognition/Achievement Received for</td> <td></td> </tr> </table>		Award / Position / Recognition Secured	1st	Title of Innovation / Start-up Secured the Award / Recognition	White Coal from Jute Sticks	Award/Recognition/Achievement Received for	
Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	25000																									
Award / Position / Recognition Secured	1st																									
Title of Innovation / Start-up Secured the Award / Recognition	White Coal from Jute Sticks																									
Award/Recognition/Achievement Received for																										
16	Innovators in you by AURA	Entrepreneurship/Startup, Innovation	Seminar	Student Lead Activity	NSEC EDCELL	15-01-2020 00:00:00	15-01-2020 00:00:00	1	Within Campus	105	4	0	0	109	No		No									
17	Workshop on Business Plan Preparation	Entrepreneurship/Startup, Innovation	Mentoring Session	Institute Lead Activity	NSEC Entrepreneurship Development Cell	13-02-2020 00:00:00	17-02-2020 00:00:00	5	Within Campus	34	13	0	0	47	<table border="1"> <tr> <td>Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)</td> <td>8000</td> </tr> </table>		Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	8000	No							
Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	8000																									
18	Visit to Pepsi Co Company at Dhulaghar, Howrah	Entrepreneurship/Startup	Exposure visit	Institute Lead Activity	NSEC Entrepreneurship Development Cell	18-02-2020 00:00:00	18-02-2020 00:00:00	1	Outside Campus	23	2	0	0	25	<table border="1"> <tr> <td>Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)</td> <td>2500</td> </tr> </table>		Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	2500	No							
Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	2500																									
19	Exposure Visit to the MSME DI Kolkata to experience the Mega Trade Fair	Innovation	Exposure visit	Institute Lead Activity	NSEC Institutions Innovation Council	06-03-2020 00:00:00	06-03-2020 00:00:00	1	Outside Campus	6	1	0	0	7	<table border="1"> <tr> <td>Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)</td> <td>1000</td> </tr> </table>		Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	1000	No							
Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	1000																									
20	Inter-College Business Plan Competition at college campus under Avenir'20 Techno Management Fest	Entrepreneurship/Startup, Innovation	B-Plan Competitions	Student Lead Activity	Entrepreneurship Development Cell and Phoenix (Official Tech Club)	22-02-2020 00:00:00	22-02-2020 00:00:00	1	Within Campus	25	2	15	0	42	<table border="1"> <tr> <td>Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)</td> <td>3200</td> </tr> </table>		Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	3200	No							
Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	3200																									

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

21	Planning and Design of an Urban Power Distribution Network	Innovation	Seminar	Institute Lead Activity	IEEE-NSEC and IEEE Kolkata Section	23-11-2019 00:00:00	23-11-2019 00:00:00	1	Within Campus	15	25	0	0	40	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	2000	No						
22	Internal Smart India Hackathon (SIH) 2020	Innovation	Hackathon	Institute Lead Activity	NSEC Institutions Innovation Council (IIC)	21-01-2020 00:00:00	23-01-2020 00:00:00	3	Within Campus	124	8	0	0	132	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	10892	<table border="1"> <tr> <td>Award / Position / Recognition Secured</td> <td>1st, 2nd and 3rd</td> </tr> <tr> <td>Title of Innovation / Start-up Secured the Award / Recognition</td> <td>Top 3 Awarded</td> </tr> <tr> <td>Award/Recognition/Achievement Received for</td> <td></td> </tr> </table>	Award / Position / Recognition Secured	1st, 2nd and 3rd	Title of Innovation / Start-up Secured the Award / Recognition	Top 3 Awarded	Award/Recognition/Achievement Received for	
Award / Position / Recognition Secured	1st, 2nd and 3rd																						
Title of Innovation / Start-up Secured the Award / Recognition	Top 3 Awarded																						
Award/Recognition/Achievement Received for																							
23	Innovation and Entrepreneurial Thinking	Entrepreneurship/Innovation	Seminar	Student Lead Activity	CII NSEC Innovation Club	20-08-2019 00:00:00	20-08-2019 00:00:00	1	Within Campus	38	6	0	0	44	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	1477	No						
24	Natural Biomaterials in Engineered Medical Devices by Prof. (Dr.) John Ramshaw, University of Melbourne, Australia	Innovation	Seminar	Institute Lead Activity	Department Biomedical Engineering	22-11-2019 00:00:00	22-11-2019 00:00:00	1	Within Campus	55	12	0	0	67	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	5000	No						
25	Visit and Interactive session by 5 Professors from Okayama University, Japan	Innovation	Mentoring Session	Institute Lead Activity	Department of Biomedical Engineering	31-10-2019 00:00:00	31-10-2019 00:00:00	1	Within Campus	45	12	0	0	57	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	5000	No						
26	The software Release Process	Entrepreneurship/Innovation	Skill development	Institute Lead Activity	Department of Information Technology	24-09-2019 00:00:00	24-09-2019 00:00:00	1	Within Campus	48	1	0	0	49	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	4839	No						

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

27	Cloud Fest - 2019	Innovation	Demo Day	Student Lead Activity	Google Developers Student Club	21-09-2019 00:00:00	21-09-2019 00:00:00	1	Within Campus	62	2	0	0	64	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	3299	No
28	Agile Framework & Scrum Development workshop	Entrepreneurship/Startup, Innovation	Seminar	Institute Lead Activity	Department of Information Technology	14-09-2019 00:00:00	14-09-2019 00:00:00	1	Within Campus	66	2	0	0	68	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	1500	No
29	Code-O-War coding challenge	Innovation	Hackathon	Student Lead Activity	Codechef NSEC Chapter	14-09-2019 00:00:00	15-09-2019 00:00:00	2	Within Campus	85	5	0	0	90	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	2500	No
30	LINUX Fest	Innovation	Skill development	Student Lead Activity	GNX LINUX USER GROUP	24-08-2019 00:00:00	14-09-2019 00:00:00	22	Within Campus	76	0	0	0	76	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	9471	No
31	Wave Propagation & Remote Sensing - WPRS 2019	Innovation	Workshop	Institute Lead Activity	IEEE GRSS Student Branch Chapter	14-07-2019 00:00:00	20-07-2019 00:00:00	7	Within Campus	15	17	0	0	32	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	25000	No
32	Revolution in Society Through Satellite	Innovation	Seminar	Student Lead Activity	IEEE GRSS Student Branch Chapter	17-02-2020 00:00:00	17-02-2020 00:00:00	1	Within Campus	12	3	0	0	15	No	No	
33	IOT & Machine Learning	Innovation	Skill development	Student Lead Activity	IEEE GRSS Student Branch Chapter	29-02-2020 00:00:00	29-02-2020 00:00:00	1	Within Campus	12	2	0	0	14	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

Srno	Name of Program (Full Name)	Program Theme	Program Type	Organizing Agency / Institute Name	Organizing Agency Type	Program Start Date	Program End Date	Program Duration (in Days)	Participants (Students)	Participants (Faculty)	Total Number of Participants	Awards/Recognitions/Achievements	Award / Position / Recognition Secured	Title of Innovation / Start-up Secured the Award / Recognition	Had institute spent expenses either from own resource/ received fund towards sending delegation to participate / represent the activity /event?	Did any of the participants received any awards/recognition for startup / innovation ideas / research
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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

1	3M- CII Young Innovators Challenge Award 2019	Innovation	Innovation Contest	3M India and Confederation of Indian Industries (CII)	Corporate / Industry Association	27-08-2019 00:00:00	28-08-2019 00:00:00	2	2	0	2	Yes	1st	White Coal from Jute Sticks	Total Total Expense Amount Incurred by Institute? (In Rupees)	4500	Award / Position / Recognition Secured	1st	Title of Innovation / Start-up Secured the Award / Recognition	White Coal from Jute Sticks	Award/Recog nition/Achieve ment Received for	Idea/Innova tion/Prototy pe
2	Smart India Hackathon 2019 Hardware Edition	Innovation	Hackathon	All India Council of Technical Education	Govt. Agency (Central)	08-07-2019 00:00:00	10-07-2019 00:00:00	3	6	2	8	Yes	2nd	Water from Thin Air	Total Total Expense Amount Incurred by Institute? (In Rupees)	44000	Award / Position / Recognition Secured	2nd	Title of Innovation / Start-up Secured the Award / Recognition	Water from Thin Air	Award/Recog nition/Achieve ment Received for	Idea/Innova tion/Prototy pe
3	NASA SPACE APP CHALLENGE	Innovation	Innovation Contest	NASA Space App Challenge Foundation	International Agencies	19-10-2019 00:00:00	20-10-2019 00:00:00	2	2	0	2	Yes	within top 10 in India	Air Quality Monitoring and optimization	Total Total Expense Amount Incurred by Institute? (In Rupees)	4500	Award / Position / Recognition Secured	within top 10 in India	Title of Innovation / Start-up Secured the Award / Recognition	Air Quality Monitoring and optimization	Award/Recog nition/Achieve ment Received for	Idea/Innova tion/Prototy pe

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

4	Bengalathon organized by Govt. of West Bengal	Innovation	Innovation Contest	Govt. of West Bengal	Govt. Agency (State)	17-11-2019 00:00:00	17-11-2019 00:00:00	1	5	1	6	Yes	Finalist	Wearable Health Device PoShirt to correct the posture	No		Award / Position / Recognition Secured	Finalist
																	Title of Innovation / Start-up Secured the Award / Recognition	Wearable Health Device PoShirt to correct the posture
																	Award/Recognition/Achievement Received for	Idea/Innovation/Prototype
5	Bhopal Smart City Hackathon	Innovation	Hackathon	Govt. of Madhya Pradesh	Govt. Agency (State)	30-11-2019 00:00:00	01-12-2019 00:00:00	2	3	0	3	No	---	---	No		No	
6	Digitalizing Rural Education	Innovation	Hackathon	NEC Technologies India	Corporate / Industry Association	11-01-2020 00:00:00	12-01-2020 00:00:00	2	2	0	2	Yes	Reached in Final Round	A multilingual Educational Web and Mobile Application		5500	Award / Position / Recognition Secured	Reached in Final Round
																Total Total Expense Amount Incurred by Institute? (In Rupees)	Title of Innovation / Start-up Secured the Award / Recognition	A multilingual Educational Web and Mobile Application
																	Award/Recognition/Achievement Received for	Idea/Innovation/Prototype
7	KPIT Sparkle2020	Innovation	Innovation Contest	KPIT Sparkle	Corporate / Industry Association	02-03-2020 00:00:00	02-03-2020 00:00:00	1	2	0	2	No	---	---	No		No	
8	International Womens Hackathon 2019	Innovation	Hackathon	Hackearth in association with Target and S and P Global	Corporate / Industry Association	30-04-2019 00:00:00	22-05-2019 00:00:00	23	4	1	5	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

9	Scintillations 2020 by IEST	Entrepreneurship/Startup	B-Plan Competitions	Indian Institute of Engineering, Science and Technology (IEST), Shibpur	Educational Institute	14-02-2020 00:00:00	16-02-2020 00:00:00	3	3	0	3	Yes	3rd	Cardiacotech	No			Award / Position / Recognition Secured	3rd
																		Title of Innovation / Start-up Secured the Award / Recognition	Cardiacotech
																		Award/Recognition/Achievement Received for	Business Model/Startup
10	27th State Technology and Science Congress	Innovation	Exhibition	Department of Science and Technology, Govt. of West Bengal	Govt. Agency (State)	28-02-2020 00:00:00	29-02-2020 00:00:00	2	2	1	3	Yes	Awarded Rs. 5000.00	Savadaya (sabka automation industry ka vikas)		1000		Award / Position / Recognition Secured	Awarded Rs. 5000.00
																		Title of Innovation / Start-up Secured the Award / Recognition	Savadaya (sabka automation industry ka vikas)
																		Award/Recognition/Achievement Received for	Idea/Innovation/Prototype
11	PRAYAS 2020 National Level Inter College Project Competition	Innovation	Innovation Contest	Templecity Institute of Technology and Engineering (TITE), Khurda, along with Visvesvaraya Technological University (VTU) Karnataka and Aryabhata Knowledge University (AKU) Bihar	Educational Institute	14-02-2020 00:00:00	14-02-2020 00:00:00	1	6	1	7	Yes	3rd	Sukhsath IOT based posture detection system for Senior Care		6500		Award / Position / Recognition Secured	3rd
																		Title of Innovation / Start-up Secured the Award / Recognition	Sukhsath IOT based posture detection system for Senior Care
																		Award/Recognition/Achievement Received for	Idea/Innovation/Prototype

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

12	AICTE Chatra Viswakarma Award	Innovation	Innovation Contest	All India Council of Technical Education (AICTE)	Govt. Agency (Central)	24-02-2020 00:00:00	24-02-2020 00:00:00	1	2	1	3	Yes	1st in Energy Category	White Coal from Jute Sticks	Total Total Expense Amount Incurred by Institute? (In Rupees)	4500	Award / Position / Recognition Secured	1st in Energy Category	
																	Title of Innovation / Start-up Secured the Award / Recognition	White Coal from Jute Sticks	
																	Award/Recognition/Achievement Received for	Idea/Innovation/Prototype	
13	CII 18th ICTEast	Entrepreneurship/Startup	Conference	Confederation of Indian Industries (CII)	Corporate / Industry Association	10-09-2019 00:00:00	11-09-2019 00:00:00	2	3	2	5	No	---	---	No		No		
14	Seminar-Cum-Workshop on IPR Awareness, Practice and Challenges in Academia	IPR	Seminar	NRDC-IIEST Innovation Facilitation Center, Indian Institute of Engineering, Science and Technology, Shibpur	Educational Institute	06-11-2019 00:00:00	07-11-2019 00:00:00	2	0	8	8	No	---	---	No		No		
15	Workshop on State Intellectual Property Policy	IPR	Workshop	Patent Information Center, West Bengal State Council of Science and Technology, Govt. of West Bengal	Govt. Agency (State)	19-11-2019 00:00:00	19-11-2019 00:00:00	1	0	7	7	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)
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1	D2C Foundation Course on Entrepreneurship	Entrepreneurship/Startup	Short term Course	Major/Minor Specialization	Entrepreneurship Development Cell in Collaboration with Wadhvani Foundation	27-08-2019	31-10-2019	66	Online	35	38
2	D2C Advanced Entrepreneurship Course	Entrepreneurship/Startup	Short term Course	Major/Minor Specialization	Entrepreneurship Development Cell in Collaboration with Wadhvani Foundation	05-11-2019	30-05-2020	208	Online	15	75
3	Entrepreneurship Development and Project Management	IPR, Entrepreneurship/Startup	Elective/Core Credit Course	Master	Management Studies	01-07-2019	31-12-2019	184	Offline	11	40

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	VALUE ADDED TRAINING ON WEB DEVELOPMENT USING DJANGO(PYTHON FRAMEWORK)	Innovation	Employment Generation Training Programs	Department of Computer Science and Engineering	04-01-2020	15-02-2020	43	Offline	123	30
2	VALUE ADDED TRAINING ON DATA SCIENCE WITH MYSQL	Innovation	Employment Generation Training Programs	Department of Computer Science and Engineering	04-01-2020	08-02-2020	36	Offline	128	30
3	Value added Training on ANGULAR JS	Innovation	Employment Generation Training Programs	Department of Information Technology	06-01-2020	12-01-2020	7	Offline	90	30
4	Value added Training on DATA SCIENCE WITH MYSQL	Innovation	Employment Generation Training Programs	Department of IT	06-01-2020	12-01-2020	7	Offline	90	30
5	Value added Training on PCB Design and Fabrication	Innovation	Employment Generation Training Programs	Department of Electronics and Communication Engineering	11-01-2020	22-02-2020	43	Offline	140	30
6	Value added Training on Network Security	Innovation	Employment Generation Training Programs	Department of Electronics and Communication Engineering	11-01-2020	22-02-2020	43	Offline	140	30
7	Value added Training on Power Distribution	Innovation	Employment Generation Training Programs	Department of Electrical Engineering	15-01-2020	12-02-2020	29	Offline	140	30
8	Value added Training on IOT IN HOME APPLICATION	Innovation	Employment Generation Training Programs	Department of Electrical Engineering and Department of Applied Electronics and Instrumentation Engineering	04-01-2020	29-02-2020	57	Offline	103	30
9	Value added Training on PYTHON PROGRAMMING	Innovation	Employment Generation Training Programs	Department of Electrical Engineering	13-01-2020	19-01-2020	7	Offline	65	30

10	Value added Training on JAVA PROGRAMMING	Innovation	Employment Generation Training Programs	Department of Applied Electronics and Instrumentation Engineering	08-02-2020	14-03-2020	36	Offline	60	30
11	Value added Training on FAMILIARISATION OF ANALOG ELECTRONICS CIRCUIT	Innovation	Employment Generation Training Programs	Department of Biomedical Engineering	17-02-2020	23-02-2020	7	Offline	28	30
12	Hands on Training on BIOMEDICAL INSTRUMENTS	Innovation	Employment Generation Training Programs	Department of Biomedical Engineering	10-02-2020	16-02-2020	7	Offline	31	30
13	Value added Training on SOLID WORKS and PROJECT	Innovation	Employment Generation Training Programs	Department of Mechanical Engineering	02-03-2020	08-03-2020	7	Offline	96	30
14	DATA ANALYSIS WITH MICROSOFT EXCEL	Innovation	Employment Generation Training Programs	Department of Mechanical Engineering	17-02-2020	23-02-2020	7	Offline	96	30
15	Training on CREO and PROJECT	Innovation	Employment Generation Training Programs	Department of Mechanical Engineering	01-02-2020	29-02-2020	29	Offline	113	30
16	Value added Training on GIS	Innovation	Employment Generation Training Programs	Department of Civil Engineering	08-02-2020	21-03-2020	43	Offline	99	30
17	Value added Training on AUTOCAD and REVIT	Innovation	Employment Generation Training Programs	Department of Civil Engineering	06-01-2020	12-01-2020	7	Offline	120	30
18	Value added Training on IOT WITH EQUIPMENT	Innovation	Employment Generation Training Programs	Department of Basic Engineering Science	06-01-2020	07-03-2020	62	Offline	240	30
19	Value added Training on WEB DEVELOPMENT	Innovation	Employment Generation Training Programs	Department of Basic Engineering Science	06-01-2020	06-03-2020	61	Offline	180	30
20	Value added Training on ETHICAL HACKING	Innovation	Employment Generation Training Programs	Department of Basic Engineering Science	13-01-2020	19-01-2020	7	Offline	120	30
21	Value added Training on AUTOCAD	Innovation	Employment Generation Training Programs	Department of Basic Engineering Science	13-01-2020	19-01-2020	7	Offline	60	30
22	Value added Training on BlockChain with Python	Innovation	Employment Generation Training Programs	Department of Computer Science and Engineering	19-08-2019	25-08-2019	7	Offline	130	30
23	Value added Training on Professional C Programming for problem solving	Innovation	Employment Generation Training Programs	Department of Computer Science and Engineering	26-08-2019	31-08-2019	6	Offline	128	30
24	Value added Training on Python Programming for problem solving	Innovation	Employment Generation Training Programs	Department of Information Technology	19-08-2019	15-09-2019	28	Offline	90	30
25	Value added Training on Android App Development	Innovation	Employment Generation Training Programs	Department of Information Technology	22-07-2019	02-08-2019	12	Offline	90	30
26	Value added Training on PCB (Printed Circuit Board) Design Assembly and Testing	Innovation	Employment Generation Training Programs	Department of Electronics and Communication Engineering	02-09-2019	08-09-2019	7	Offline	120	30

27	Value added Training on Machine Learning using Python	Innovation	Employment Generation Training Programs	Department of Electronics and Communication Engineering	10-08-2019	28-09-2019	50	Offline	120	30
28	Value added Training on eCAD	Innovation	Employment Generation Training Programs	Department Electrical Engineering	26-08-2019	30-08-2019	5	Offline	120	30
29	Value added Training on PLC and HMI Programming	Innovation	Employment Generation Training Programs	Department of Electrical Engineering	05-08-2019	09-08-2019	5	Offline	120	30
30	Value added Training on introduction and Application of Python	Innovation	Employment Generation Training Programs	Department Applied Electronics and Instrumentation Engineering	09-08-2019	17-08-2019	9	Offline	56	30
31	Value added Training on Machine Learning with Python	Innovation	Employment Generation Training Programs	Department of Applied Electronics and Instrumentation Engineering	22-07-2019	31-07-2019	10	Offline	56	30
32	Value added Training on Basic PCB and Basic Python	Innovation	Employment Generation Training Programs	Department of Biomedical Engineering	27-07-2019	03-08-2019	8	Offline	27	30
33	Value added Training on Familiarization with Electronics and Various Sensors Used in Biomedical Equipment	Innovation	Employment Generation Training Programs	Department of Biomedical Engineering	19-08-2019	24-08-2019	6	Offline	31	30
34	Value added Training on Auto CAD based on Project works	Innovation	Employment Generation Training Programs	Department of Civil Engineering	02-09-2019	07-09-2019	6	Offline	63	30
35	Value added Training on Auto CAD	Innovation	Employment Generation Training Programs	Department of Mechanical Engineering	29-07-2019	02-08-2019	5	Offline	90	30
36	Value added Training on Auto CAD Project Based	Innovation	Employment Generation Training Programs	Department of Mechanical Engineering	24-09-2019	03-10-2019	10	Offline	140	30
37	Value added Training on Soft skill Development	Entrepreneurship/Startup	Employment Generation Training Programs	Training and Placement with all other departments	19-07-2019	09-11-2019	114	Offline	540	30
38	10 Days FDP on Data Science and Machine Learning	Innovation	Employment Generation Training Programs	Department of Computer Science and Engineering	03-07-2019	12-07-2019	10	Offline	34	40

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	Shilpi Bose	Netaji Subhash Engineering College	Assistant Professor	No	Yes				
	Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)	Mode of Delivery
	IIC Innovation Ambassador Training Series	Entrepreneurship/Startup	Short term Certificate	MoE Innovation Cell	Govt. Agency (Central)	06-03-2020 00:00:00	07-03-2020 00:00:00	2	Offline
2	Dr. Tridibesh Nag	Netaji Subhash Engineering College	Assistant Professor	No	Yes				

Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)	Mode of Delivery
IIC Innovation Ambassador Training Series	Innovation	Short term Certificate	MoE innovation Cell	Govt. Agency (Central)	06-03-2020 00:00:00	07-03-2020 00:00:00	2	Offline
3 Dhritiman Mandal		Netaji Subhash Engineering College		Assistant Professor		No		Yes
Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)	Mode of Delivery
IIC Innovation Ambassador Training Series	Entrepreneurship/Startup	Short term Certificate	MoE's Innovatin Cell	Govt. Agency (Central)	06-03-2020 00:00:00	07-03-2020 00:00:00	2	Offline

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	EDCELL	Startup Club	2017	Co-working Space	Pre-Incubation Unit	7	Naseem Ahmad	ahmadnaseem789@gmail.com	8210931279
2	CII-NSEC Innovation Club	Innovation Club	2017	Co-working Space	Pre-Incubation Unit, Innovation Labs	2	Astha Gupta	aasthaguptaa18@gmail.com	8697889978
3	Phoenix	Innovation Club	2003	Co-working Space	Innovation Labs	3	Sambhabi Priya	shambhipriya@gmail.com	8709712566
4	Developers Student Club	Innovation Club	2017	Co-working Space	Pre-Incubation Unit, Innovation Labs	4	Anubhav Singh	xprilion@gmail.com	7003944046
5	Codechef - NSEC Chapter	Innovation Club	2017	None	Pre-Incubation Unit, Innovation Labs	5	Arnab Chanda	arnabchanda964@gmail.com	9038192755
6	GNX - LINUX User Group	Innovation Club	2018	None	Pre-Incubation Unit, Innovation Labs	2	Abhik Banerjee	abhikb.cse2017@nsec.ac.in	7699568790
7	IEEE GRSS Student Branch Chapter	Innovation Club	2016	None	Pre-Incubation Unit, Innovation Labs	5	Prashant Kashyap	prashant.kashyap72@gmail.com	7367828946
8	IEEE EDS Student Branch Chapter	Innovation Club	2016	None	Pre-Incubation Unit, Innovation Labs	4	Ayush Thakur	mein2work@gmail.com	9128253579

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	NSEC Incubation Centre	Innovation Centre	2016	Co-working Space, Work Stations	Innovation Labs, Student Clubs	Innovation Labs, Student Clubs	<table border="1"> <tr> <td>Facility Incharge Name</td> <td>Shilpi Bose</td> </tr> <tr> <td>Facility Incharge Email</td> <td>bose.s hilpi08@gmail.com</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>9230510321</td> </tr> </table>	Facility Incharge Name	Shilpi Bose	Facility Incharge Email	bose.s hilpi08@gmail.com	Facility Incharge Phone	9230510321	3	Yes	No	Yes
Facility Incharge Name	Shilpi Bose																
Facility Incharge Email	bose.s hilpi08@gmail.com																
Facility Incharge Phone	9230510321																
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				Netaji Subhash Engineering College				Educational Institute		200000							

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

No Data Filled!

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

No Data Filled!

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 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/Startup/Venture Development and implementation during the Financial Year 2019-20?						
1	Intellectual Property Policy Cell	2018	Pre-Incubation	Institute's own Fund	<table border="1"> <tr> <td>Facility Incharge Name</td> <td>Shilpi Bose</td> </tr> <tr> <td>Facility Incharge Email</td> <td>bose.s hilpi08@gmail.com</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>9230510321</td> </tr> </table>	Facility Incharge Name	Shilpi Bose	Facility Incharge Email	bose.s hilpi08@gmail.com	Facility Incharge Phone	9230510321	3	Yes	No	No
Facility Incharge Name	Shilpi Bose														
Facility Incharge Email	bose.s hilpi08@gmail.com														
Facility Incharge Phone	9230510321														

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	Shilpi Bose	Assistant Professor	Idea/Innovation Development, IPR Protection & Commercialization	5
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	Xspark: Generation of Electricity from Human or Vehicle Pressure using PEC Material		Within	
	White Coal from Jute Sticks		Within	
2	Dr. Tridibesh Nag	Assistant Professor	Idea/Innovation Development	3
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	SOLAR POWERED ELECTRIC RICKSHAW		Within	
	SOLAR POWERED ELECTRIC RICKSHAW		Within	
3	Dhritiman Mandal	Assistant Professor	Entrepreneurship/Startup Development	3
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	White Coal from Jute Sticks		Within	
	White Coal from Jute Sticks		Within	

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

Srno	Name of the External Expert/Agency as Mentor	Mentor Expert Area	Type of Mentorship
1	Mr. Utpal Sen	Idea/Innovation Development	Unstructured Mentorship
2	Mr. Subhabrata Bhattacharya	Entrepreneurship/Startup Development	Unstructured Mentorship
3	Prof. S. K. Mitra	IPR Protection & Commercialization	Unstructured Mentorship
4	Mr. Rictor Bhowmik	Idea/Innovation Development	Unstructured Mentorship
5	Mr. Sanket Sarkar	Entrepreneurship/Startup Development	Unstructured Mentorship

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	White coal from Jute sticks	Product Innovation	Non-Technological / Social / Community Innovation		Student	TRL 2 : Technology formulation. Concept and application have been formulated.	TRL 8 : First of a kind commercial system. Manufacturing issues solved.	Innovation Development Completed	<table border="1"> <tr> <td>Agency Name</td> <td>3M CII</td> </tr> <tr> <td>Agency Type</td> <td>Corporate / Industry Association</td> </tr> <tr> <td>Award / Position / Recognition Secured</td> <td>Winner in the Product Innovation Category</td> </tr> </table>	Agency Name	3M CII	Agency Type	Corporate / Industry Association	Award / Position / Recognition Secured	Winner in the Product Innovation Category	No	<table border="1"> <tr> <td>Grant Amount in Rs</td> <td>20000</td> </tr> </table>	Grant Amount in Rs	20000	No	No
Agency Name	3M CII																				
Agency Type	Corporate / Industry Association																				
Award / Position / Recognition Secured	Winner in the Product Innovation Category																				
Grant Amount in Rs	20000																				
		Name		Type		Gender		Email			Contact										
		Katha Sur		Student		Female		isurk98@gmail.com			8777474558										
		Name		Type		Gender		Email			Contact										
		Karan Ghorai		Student		Male		karanghorai1997@gmail.com			9732849469										
2	SOLAR POWERED ELECTRIC RICKSHAW	Product Innovation	Technological		Student	TRL 0 : Idea. Unproven concept, no testing has been performed.	TRL 9 : Full commercial application, technology available for consumers.	Innovation Adopted and Implemented at Ground	No	No	<table border="1"> <tr> <td>Grant Amount in Rs</td> <td>60000</td> </tr> </table>	Grant Amount in Rs	60000	No	No						
Grant Amount in Rs	60000																				
		Name		Type		Gender		Email			Contact										
		Chowdhury Azmal Hossain		Student		Male		chowdhuryazmalhossain99@gmail.com			9734881736										
		Name		Type		Gender		Email			Contact										
											3										

BIFU-A GREEN ALTER NATIVE	Product Innovation	Technological		Student	TRL 0 : Idea. Unproven concept, no testing has been performed .	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype).	Innovation Development Dropped	Agency Name	AICTE Chakra Viswakarma Award	No	No	No	No	
								Agency Type	Govt. Agency (Central)					
								Award / Position / Recognition Secured	Select ed up to Regional					

Name	Type	Gender	Email	Contact
BAISHAKHI CHAKRABORTY	Student	Female	Chakrabojo18@gmail.com	7980888804

Name	Type	Gender	Email	Contact
PIYASI DAS	Student	Female	piyasi199923@gmail.com	7063666482
PROCHETA BHATTACHARYYA	Student	Female	bhattacharyya.procheta1999@gmail.com	9874659425

Smart Drip Irrigation System	Product Innovation	Technological		Student	TRL 0 : Idea. Unproven concept, no testing has been performed .	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype).	Innovation Development Dropped	No	No	No	No	No	
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Name	Type	Gender	Email	Contact
AYUSH THAKUR	Student	Male	mein2work@gmail.com	7595848502

Name	Type	Gender	Email	Contact
Snehangshu Bhattacharya	Student	Male	edrake009@gmail.com	9007455565
Anurag Roy	Student	Male	anuragr9847@gmail.com	9836087016

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Develop ment of IOT based portable hand wrist device to detect epileptic disorder before incident occur	Product Innovation	Technological		Student-Faculty	TRL 0 : Idea. Unproven concept, no testing has been performed .	TRL 4 : Small scale prototype built in a laboratory environme nt ("ugly" prototype).	Innovation Developm ent Ongoing	No	No	No	No	No
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Name	Type	Gender	Email	Contact
PRITAM SAHA	Student	Male	pritamsahaking@gmail.com	7908082747

Name	Type	Gender	Email	Contact
Tarak Das	Faculty	Male	tarakdas111@gmail.com	9836358261

Develop ment of portable audio device to see the Phonocardiogram (PCG) output interfacing with mobile and computer	Product Innovation	Technological		Student-Faculty	TRL 0 : Idea. Unproven concept, no testing has been performed .	TRL 4 : Small scale prototype built in a laboratory environme nt ("ugly" prototype).	Innovation Developm ent Ongoing	Agency Name	MS ME	No	No	No	No
								Agency Type	Govt. Agency (Central)				
								Award / Position / Recognition Secured	Selected up to final round by NM IU				

Name	Type	Gender	Email	Contact
kousumi bhattacharyya	Student	Female	kousumi98@gmail.com	7980662606

Name	Type	Gender	Email	Contact
Tarak Das	Faculty	Male	tarakdas111@gmail.com	9836358261

Laser based Vibration sensor	Product Innovation	Technological		Student	TRL 0 : Idea. Unproven concept, no testing has been performed .	TRL 4 : Small scale prototype built in a laboratory environme nt ("ugly" prototype).	Innovation Developm ent Ongoing	No	No	No	No	No
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Name	Type	Gender	Email	Contact
AVIJIT DAS	Student	Male	avijitdasxp@gmail.com	8777653929

Name	Type	Gender	Email	Contact
Shilpi Mukherjee	Student	Female	shilpimukherjee72@gmail.com	8159845571

E-Diwali Lighting using Swarm of Drones	Product Innovation	Technological	Student	TRL 0 : Idea. Unproven concept, no testing has been performed .	TRL 2 : Technology formulation. Concept and application have been formulated .	Innovation Development Ongoing	Agency Name	18th CII Conference	No	Grant Amount in Rs	12000	No	No
							Agency Type	Corporate / Industry Association					
							Award / Position / Recognition Secured	Selected for funding proposal but not received					

Name	Type	Gender	Email	Contact
ARGHADIP CHAKRABORTY	Student	Male	01argha@gmail.com	8637384257

Name	Type	Gender	Email	Contact
Dhruba Sengupta	Student	Male	dhruba.toni@gmail.com	9903226714

REAPE R-45	Product Innovation	Technological	External to the Institute/Incubatee	TRL 0 : Idea. Unproven concept, no testing has been performed .	TRL 3 : Applied research. First laboratory tests completed ; proof of concept.	Innovation Development Dropped	No	No	No	No	No
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Name	Type	Gender	Email	Contact
RICTOR BHOWMICK	Innovator/Entrepreneur External to Institute	Male	bhowmickrictor@gmail.com	8444994443

8	Name	Email
9	Name	Email

10	Savadaya(sabka automation industry ka vikas)	Product Innovation	Technological		Student	TRL 0 : Idea. Unproven concept, no testing has been performed .	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype).	Innovation Development Ongoing	Agency Name	Department of Science and Technology	No	No	No	No
									Agency Type	Govt. Agency (State)				
									Award / Position / Recognition Secured	Selected for Science Congress Exhibitions				
Name		Type			Gender			Email			Contact			
Swastik Das		Student			Male			dasswastikjio@gmail.com			8240722358			
Name		Type			Gender			Email			Contact			
DEBOJYOTI PRAMANIK		Student			Male			debojyotip.ee2018@nsec.ac.in			6295816514			
11	WATER FROM AIR	Product Innovation	Technological		Student	TRL 0 : Idea. Unproven concept, no testing has been performed .	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype).	Innovation Development Ongoing	Agency Name	Smart India Hackathon on Hardware	No	30000	No	No
									Agency Type	Govt. Agency (Central)				
									Award / Position / Recognition Secured	Runners up				
Name		Type			Gender			Email			Contact			
ROHIT YADAV		Student			Male			rohitrambansh@gmail.com			9831808979			
Name		Type			Gender			Email			Contact			
SUMIT KUMAR		Student			Male			sumitks8499@gmail.com			7278176710			

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	Birpurnush Private Limited	Product Innovation	Technological	5531	Student	Venture with Corporate Identification Number (CIN) Registration U74999 WB2019PTC232689	2019-20	Received Incubation Support from Incubation Unit	No	No	No	No	Yes
Name		DIN number		Type		Gender		Email		Contact			
Arghya Kamal Acharjee		08497223		Student		Female		arghyakamalacharjee@gmail.com		9547113214			
Dibakar Majumder		08497224		Innovator/Entrepreneur External to Institute		Male		birpurnushprivatelimited@gmail.com		9563239835			
2	ZHAKASINDIA FOODS PRIVATE LIMITED	Process Innovation	Non-Technological	5531	Alumni	Venture with Corporate Identification Number (CIN) Registration U55204 RJ2019PTC065032	2019-20	Received Incubation Support from Incubation Unit	No	No	No	No	Yes
Name		DIN number		Type		Gender		Email		Contact			
ANINDITA BETAL		08462187		Alumni Entrepreneur		Female		anibetal@gmail.com		9432406091			
MANOJ KUMAR SAINI		0238979		Innovator/Entrepreneur External to Institute		Male		zhakasindia31@gmail.com		9982289111			

3	NUOVE	Service Innovation	Technologica	5531	Alumni	Venture with MSME Registration No WB10E 004051 1		2016-17	Received Incubation Support from Incubation Unit	No	No	No	No	No
						Venture with GST No 19AAM FN5785 H1ZK								
Name		DIN number			Type	Gender		Email		Contact				
RUPAK PAUL					Alumni Entrepreneur	Male		nuove.in@gmail.com		9831949435				
4	Qdip Solutions	Service Innovation	Technologica	5531	Alumni	Venture with MSME Registration No HMC/W 29/2822 96/20		2019-20	Received Incubation Support from Incubation Unit	No	No	No	No	No
						Venture with GST No 19BHX PS7287 Q1ZK								
Name		DIN number			Type	Gender		Email		Contact				
Amar Kumar Shahi					Alumni Entrepreneur	Male		amarshahismile@gmail.com		9874181540				
5	CREATIVE CUBES	Management Process	Non-Technologica	5531	Alumni	Venture with MSME Registration No 110650 700946		2017-18	Received Incubation Support from Incubation Unit	No	No	No	No	No
						Venture with GST No 19DVA PS7693 D1Z1								
Name		DIN number			Type	Gender		Email		Contact				
ABADUR RAHMAN SIDDIQI					Alumni Entrepreneur	Male		abadur.siddiqi@creativecubeindia.com		9831440783				

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	Confederation of Indian Industries (CII)	Corporate / Industry Association	Collaboration with Startups/Industry Associations/Knowledge Agencies to Promote I&E Activities and/or Internship Opportunities	Mentoring,Networking	3	20-05-2019
2	National Entrepreneurship Network (NEN)	Corporate / Industry Association	Providing (or) Receiving Mentor and Handholding Support to Support I&E Activities	Mentoring,Networking	7	31-07-2019

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**No Data Filled!****List the IPs hold by the Innovation teams/Startups Incubated at the Pre-incubation/incubation Unit of the HEI**

Sno	Title/Name of IP	Type of IP	IP Registration Number	Current Status of IP as on 31st March 2020	Copy of IP screenshot
1	X-SPARK: Generation of Electricity from Human or Vehicle Pressure using PEC Material	PatentsHoldByInnovations	201931024351	Published	Uploaded
Applicant Name		Applicant Type		Start-up/Innovator Name	
NASEEM AHMAD		Incubatee Innovator		NASEEM AHMAD	
ASTHA GUPTA		Incubatee Innovator		ASTHA GUPTA	
SHILPI BOSE		Incubatee Innovator		SHILPI BOSE	

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

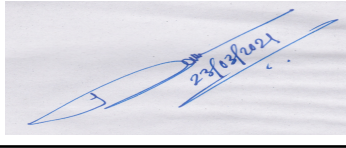
Joint Declaration by the Head of the Institute and Nodal Officer

Dear Sir,

Herewith, myself Prof. Tirthankar Datta (Head of Institute) and Mr. Shilpi Bose (Nodal Officer) jointly declaring on behalf of our institute is that all the information submitted are true and correct to best of our knowledge.

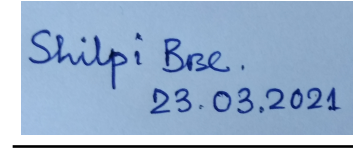
Thank you

The Head of Institute



Prof. Tirthankar Datta
Head of the Institution,
South Twenty Four Parganas, West Bengal

Nodal officer



Mr. Shilpi Bose
Nodal Officer,
South Twenty Four Parganas, West Bengal