



ARIIA

ATAL RANKING OF INSTITUTIONS ON INNOVATION ACHIEVEMENTS



MoE
Ministry of Education
Government of India

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

Institute Name: Narula Institute of Technology [ARI-C-6257]

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

Srno	Department / Center / Unit Name	Type of Department / Center / Unit	Mention the Stream / Discipline / Sector of focus	Department / Center / Unit Level	Program Type	Student / Beneficiary Strength (2019-20)	Academic Staff Strength (2019-20)	Non-academic Staff Strength (2019-20)
1	CE	Academic Department with lab facility	Civil Engineering	UG / PG / PhD	Technical	484	30	4
2	ECE	Academic Department with lab facility	Electronics and Communication Engineering	At all level	Technical	539	37	7
3	EE	Academic Department with lab facility	Electrical Engineering	UG / PG / PhD	Technical	521	36	7
4	EIE	Academic Department with lab facility	Electronics and Instrumentation Engineering	UG / PG / PhD	Technical	187	12	2
5	CSE	Academic Department with lab facility	Computer Science & Engineering	UG / PG / PhD	Technical	628	30	4
6	IT	Academic Department with lab facility	Information Technology	UG / PG / PhD	Technical	248	12	3
7	ME	Academic Department with lab facility	Mechanical Engineering	UG / PG / PhD	Technical	240	15	7
8	R and D Cell	Research Unit / Park	multidisciplinary/multi sector	At all level	Not Allowed	0	1	1
9	TBI-NIT	Incubation Unit	multidisciplinary/multi sector	Not Allowed	Not Allowed	46	1	1
10	Pre Incubation Cell	Pre-incubation unit	Pre Incubation Cell	Not Allowed	Not Allowed	0	1	1
11	IIPC	Industry Institute Interface Unit	IIPC	Not Allowed	Not Allowed	0	1	1
12	IPR Cell	IPR Cell / Patent Facilitation Unit / Technology Transfer Centre	multidisciplinary/multi sector	At all level	Not Allowed	56	1	1
13	JIS Bosch Rexroth Centre of Excellence	Centre of Excellence with Advance Tools & Equipment	multidisciplinary/multi sector	At all level	Not Allowed	0	2	3

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

14	BSHU	Academic Department with lab facility	Basic Science and Humanities	At all level	Not Allowed	2847	50	4
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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 : IC201810289
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)	Yes	Not Required

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

Smo	Name of Program (Full Name)	Program Theme	Program Type	Program Category	Organizing Department / Centre / Student Body Name	Program Start Date	Program End Date	Program Duration(in Days)	Program Location	Internal Participants (Student)	Internal Participants (Faculty)	External Participants (Student)	External Participants (Faculty)	Total Number of Participants	Had institute spent expenses either from own resource/received fund to organise the program/activity/event?		Did any of the participants received any awards/recognition for startup / innovation ideas / research?	
1	Essay writing competition on Innovation and Entrepreneurship	Entrepreneurship/Startup	Awareness	Institute Lead Activity	MHRD IIC section of Narula Institute of Technology	27-09-2019 00:00:00	27-09-2019 00:00:00	1	Within Campus	108	4	0	0	112	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	2581	Award / Position / Recognition Secured	1st Position
																Title of Innovation / Start-up Secured the Award / Recognition	Entrepreneurship as Carrier	
																Award/Recognition/Achievement Received for	Idea/Innovation/Prototype	

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

2	Innovation Day	Innovation	Awareness	Institute Lead Activity	MHRD IIC section of Narula Institute of Technology	15-10-2019 00:00:00	15-10-2019 00:00:00	1	Within Campus	54	5	0	0	59	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	1378	Award / Position / Recognition Secured	1st Position
																	Title of Innovation / Start-up Secured the Award / Recognition	Startup or 9 to 5 job
																	Award/Recognition/Achievement Received for	Idea/Innovation/Prototype
3	Workshop on National Innovation and Start-up Policy (NISIP)	Entrepreneurship/Startup	Seminar	Institute Lead Activity	MHRD IIC section of Narula Institute of Technology	13-12-2019 00:00:00	13-12-2019 00:00:00	1	Within Campus	207	24	0	0	231	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	3451	No	
4	Innovation Day Campaign	Entrepreneurship/Startup	Boot camp	Institute Lead Activity	MHRD IIC section of Narula Institute of Technology	27-09-2019 00:00:00	15-10-2019 00:00:00	19	Within Campus	300	11	0	0	311	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	3690	No	
5	Internal Hackathon for SIH 2020	Innovation	Hackathon	Institute Lead Activity	MHRD IIC section of Narula Institute of Technology	28-01-2020 00:00:00	28-01-2020 00:00:00	1	Within Campus	132	18	0	0	150	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	10547	Award / Position / Recognition Secured	13 Team short listed for 2nd Round (SIH2020)
																	Title of Innovation / Start-up Secured the Award / Recognition	IoT Web App Monitoring of Irrigation System was the Joint Winner in SIH2020 (Hardware) Team Irrigatasaur
																	Award/Recognition/Achievement Received for	Idea/Innovation/Prototype
6	Workshop on Entrepreneurship and Innovation as Career Opportunity	Entrepreneurship/Startup	Workshop	Institute Lead Activity	MHRD IIC section of Narula Institute of Technology	26-09-2019 00:00:00	27-09-2019 00:00:00	2	Within Campus	252	15	0	0	267	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	7678	No	

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

7	NASA International Space Apps Challenge 2019	Innovation	Hackathon	Institute Lead Activity	Narula Institute of Technology	19-09-2019 00:00:00	21-09-2019 00:00:00	3	Within Campus	200	20	0	0	220	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	112745	No
8	Student Solar Ambassador Workshop	Entrepreneurship/Startup	Workshop	Institute Lead Activity	Narula Institute of Technology in collaboration with IIT Bombay	01-10-2019 00:00:00	01-10-2019 00:00:00	1	Within Campus	425	15	0	0	440	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	174250	No
9	Exhibition on Innovative Project : Demo Day – Exhibition Cum Demo for PoCs ; Mentorship Session for Innovators (or) Student Entrepreneurs	Innovation	Demo Day	Institute Lead Activity	MHRD IIC section of Narula Institute of Technology	17-12-2019 00:00:00	18-12-2019 00:00:00	2	Within Campus	45	14	0	0	59	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	10524	No
10	Industry visit to Electronics Regional Test Laboratory (East)	Innovation	Exposure visit	Institute Lead Activity	ECE Dept and MHRD IIC Section of Narula Institute of Technology	08-11-2019 00:00:00	08-11-2019 00:00:00	1	Outside Campus	20	3	0	0	23	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	3254	No
11	Industry visit to MSME-Central Tool Room and Training Center	Innovation	Exposure visit	Institute Lead Activity	ECE Dept and MHRD IIC Section of Narula Institute of Technology	11-11-2019 00:00:00	11-11-2019 00:00:00	1	Outside Campus	30	2	0	0	32	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	3254	No
12	Industry visit to MSME-Central Tool Room and Training Center	Innovation	Exposure visit	Institute Lead Activity	ECE Dept and MHRD IIC Section of Narula Institute of Technology	20-11-2019 00:00:00	20-11-2019 00:00:00	1	Outside Campus	26	2	0	0	28	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	3254	No

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

13	Industrial visit at Meija Thermal Power Station(MTPS), DVC	Innovation	Exposure visit	Institute Lead Activity	ECE Dept	29-02-2020 00:00:00	29-02-2020 00:00:00	1	Outside Campus	20	6	0	0	26	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	4138	No
14	Lecture Session on Implementations of IOT in various fields	Innovation	Motivational speak	Institute Lead Activity	ECE Dept	26-02-2020 00:00:00	26-02-2020 00:00:00	1	Within Campus	100	16	0	0	116	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	3549	No
15	Technical Lecture Program on Internet of Things	Innovation	Motivational speak	Institute Lead Activity	ECE Dept	19-12-2019 00:00:00	19-12-2019 00:00:00	1	Within Campus	100	16	0	0	116	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	3954	No
16	3D Structural Modelling by Narula and Fest Shaastra (IIT Madras)	Innovation	Skill development	Institute Lead Activity	CE	19-09-2019 00:00:00	20-09-2019 00:00:00	2	Within Campus	45	6	0	0	51	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	10768	No
17	National Conference on Environmental Sustainability, Water Resource and Management (ESWRM -2019)	IPR	Conference	Institute Lead Activity	ME	08-11-2019 00:00:00	09-11-2019 00:00:00	2	Within Campus	153	21	14	10	198	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	178450	No
18	Ecstasy 2020	Innovation	Workshop	Institute Lead Activity	NIT	04-02-2020 00:00:00	04-02-2020 00:00:00	1	Within Campus	29	11	1409	0	1449	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	245076	No

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

19	International Conference on Future Trends and Technological Advancement in Engineering-2020 (ICFTTA E-2020)	Innovation	Conference	Institute Lead Activity	NIT	31-01-2020 00:00:00	01-02-2020 00:00:00	2	Within Campus	25	32	4	49	110	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	278943	No
20	Industry visit to Kolaghat Thermal Power Station (KTPS)	Innovation	Exposure visit	Institute Lead Activity	EE	26-02-2020 00:00:00	26-02-2020 00:00:00	1	Outside Campus	51	2	0	0	53	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	5536	No
21	PCB Design and PLC Programming	Entrepreneurship/Start-up	Workshop	Institute Lead Activity	ECE	29-03-2020 00:00:00	29-03-2020 00:00:00	1	Within Campus	77	11	0	0	88	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	3978	No
22	Business Continuity and Operational Resilience	Entrepreneurship/Start-up	Workshop	Institute Lead Activity	NIT	06-03-2020 00:00:00	06-03-2020 00:00:00	1	Within Campus	68	22	0	0	90	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	3750	No
23	One Day Mentoring Session on IPR and IP Management for Innovation and Startups	IPR	Workshop	Institute Lead Activity	IIC section of NIT	05-03-2020 00:00:00	05-03-2020 00:00:00	1	Within Campus	171	18	0	0	189	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	3650	No
24	Industrial Training on IoT	Innovation	Training	Institute Lead Activity	IT	18-02-2020 00:00:00	18-02-2020 00:00:00	1	Within Campus	36	2	0	0	38	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	3867	No
25	Industrial Training on Data Science	Innovation	Training	Institute Lead Activity	IT	22-08-2019 00:00:00	22-08-2019 00:00:00	1	Within Campus	53	7	0	0	60	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	3560	No

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

Srno	Name of Program (Full Name)	Program Theme	Program Type	Organizing Agency / Institute Name	Organizing Agency Type	Program Start Date	Program End Date	Program Duration(in Days)	Participants (Students)	Participants (Faculty)	Total Number of Participants	Awards/Recognitions/Achievements	Award / Position / Recognition Secured	Title of Innovation / Start-up Secured the Award / Recognition	Had institute spent expenses either from own resource/ received fund towards sending delegation to participate / represent the activity /event?	Did any of the participants received any awards/recognition for startup / innovation ideas / research						
1	IIC innovation Ambassador Training series	Entrepreneurship/Startup	Training	Institutions Innovation Council of MHRD Innovation Cell, AICTE	Govt. Agency (Central)	06-03-2020 00:00:00	07-03-2020 00:00:00	2	0	6	6	No	---	---	No	No						
2	SIH 2020 (Hardware)	Innovation	Hackathon	AICTE	Govt. Agency (Central)	27-12-2019 00:00:00	29-01-2020 00:00:00	34	6	0	6	Yes	Joint winner in hardware section for Problem statement SG67	IoT Web App Monitoring of Irrigation System	No	<table border="1"> <tr> <td>Award / Position / Recognition Secured</td> <td>Joint winner in hardware section for Problem statement SG67</td> </tr> <tr> <td>Title of Innovation / Start-up Secured the Award / Recognition</td> <td>IoT Web App Monitoring of Irrigation System</td> </tr> <tr> <td>Award/Recognition/Achievement Received for</td> <td>Idea/Innovation/Prototype</td> </tr> </table>	Award / Position / Recognition Secured	Joint winner in hardware section for Problem statement SG67	Title of Innovation / Start-up Secured the Award / Recognition	IoT Web App Monitoring of Irrigation System	Award/Recognition/Achievement Received for	Idea/Innovation/Prototype
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Title of Innovation / Start-up Secured the Award / Recognition	IoT Web App Monitoring of Irrigation System																					
Award/Recognition/Achievement Received for	Idea/Innovation/Prototype																					
3	BENGAL ATHON 2019	Innovation	Hackathon	Govt of West Bengal	Govt. Agency (State)	17-11-2019 00:00:00	17-11-2019 00:00:00	1	4	0	4	Yes	1st Prize in Elderly Care Problem Statement	EOG Based Wheelchair for Quadruplegic Patients	No	<table border="1"> <tr> <td>Award / Position / Recognition Secured</td> <td>1st Prize in Elderly Care Problem Statement</td> </tr> <tr> <td>Title of Innovation / Start-up Secured the Award / Recognition</td> <td>EOG Based Wheelchair for Quadruplegic Patients</td> </tr> <tr> <td>Award/Recognition/Achievement Received for</td> <td>Idea/Innovation/Prototype</td> </tr> </table>	Award / Position / Recognition Secured	1st Prize in Elderly Care Problem Statement	Title of Innovation / Start-up Secured the Award / Recognition	EOG Based Wheelchair for Quadruplegic Patients	Award/Recognition/Achievement Received for	Idea/Innovation/Prototype
Award / Position / Recognition Secured	1st Prize in Elderly Care Problem Statement																					
Title of Innovation / Start-up Secured the Award / Recognition	EOG Based Wheelchair for Quadruplegic Patients																					
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Section 1 > ii : Details of Students, Faculties/Staff Participation/Representation in Co-curricular events/programs related to Innovation, IPR and Entrepreneurship/Start-up at the State, National and (or) International Level (Organized by External Organizations) sent by the HEI

4	SIH 2020 (Software)	Innovation	Hackathon	AICTE	Govt. Agency (Central)	27-12-2019 00:00:00	29-01-2020 00:00:00	34	6	0	6	Yes	Selected for Grand Finale	DigiDoc for problem statement VA47	No	<table border="1"> <tr> <td>Award / Position / Recognition Secured</td> <td>Selected for Grand Finale</td> </tr> <tr> <td>Title of Innovation / Start-up Secured the Award / Recognition</td> <td>DigiDoc for problem statement VA47</td> </tr> <tr> <td>Award/Recognition/Achievement Received for</td> <td>Idea/Innovation/Prototype</td> </tr> </table>		Award / Position / Recognition Secured	Selected for Grand Finale	Title of Innovation / Start-up Secured the Award / Recognition	DigiDoc for problem statement VA47	Award/Recognition/Achievement Received for	Idea/Innovation/Prototype
Award / Position / Recognition Secured	Selected for Grand Finale																						
Title of Innovation / Start-up Secured the Award / Recognition	DigiDoc for problem statement VA47																						
Award/Recognition/Achievement Received for	Idea/Innovation/Prototype																						
5	India First Leadership Talk Series	Entrepreneurship/Startup	Motivational speak	MIC-MoE	Govt. Agency (Central)	27-09-2019 00:00:00	27-09-2019 00:00:00	1	252	7	259	No	---	---	No	No							
6	India International Science Festival - Industry Academia Conclave	Entrepreneurship/Startup	Conference	Govt of West Bengal	Govt. Agency (State)	05-11-2019 00:00:00	08-11-2019 00:00:00	4	10	2	12	No	---	---	<table border="1"> <tr> <td>Total Total Expense Amount Incurred by Institute? (In Rupees)</td> <td>3650</td> </tr> </table>		Total Total Expense Amount Incurred by Institute? (In Rupees)	3650	No				
Total Total Expense Amount Incurred by Institute? (In Rupees)	3650																						
7	National Youth Science Fair	Entrepreneurship/Startup	Demo Day	Govt of West Bengal	Govt. Agency (State)	17-12-2019 00:00:00	19-12-2019 00:00:00	3	4	2	6	Yes	1st Position	Low Cost Gesture Control Wheel Chair	No	<table border="1"> <tr> <td>Award / Position / Recognition Secured</td> <td>1st Position</td> </tr> <tr> <td>Title of Innovation / Start-up Secured the Award / Recognition</td> <td>Low Cost Gesture Control Wheel Chair</td> </tr> <tr> <td>Award/Recognition/Achievement Received for</td> <td>Idea/Innovation/Prototype</td> </tr> </table>		Award / Position / Recognition Secured	1st Position	Title of Innovation / Start-up Secured the Award / Recognition	Low Cost Gesture Control Wheel Chair	Award/Recognition/Achievement Received for	Idea/Innovation/Prototype
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Title of Innovation / Start-up Secured the Award / Recognition	Low Cost Gesture Control Wheel Chair																						
Award/Recognition/Achievement Received for	Idea/Innovation/Prototype																						
8	Regional State Science and Technology Congress	IPR	Demo Day	MAKAUT	Educational Institute	23-12-2019 00:00:00	24-12-2019 00:00:00	2	15	2	17	No	---	---	<table border="1"> <tr> <td>Total Total Expense Amount Incurred by Institute? (In Rupees)</td> <td>4876</td> </tr> </table>		Total Total Expense Amount Incurred by Institute? (In Rupees)	4876	No				
Total Total Expense Amount Incurred by Institute? (In Rupees)	4876																						
9	Technical Lecture Program on Internet of Things	Innovation	Skill development	IEEE CAS Chapter Kolkata Section	International Agencies	19-12-2019 00:00:00	19-12-2019 00:00:00	1	75	68	143	No	---	---	No	No							

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

10	International Conference On Industry Interactive Innovations in Science Engineering and Technology	Innovation	Conference	JIS College of Engineering	Educational Institute	13-12-2019 00:00:00	14-12-2019 00:00:00	2	64	32	96	No	---	---	No	No							
11	Model Exhibition -Student Youth Science Fair 2019	Entrepreneurship/Startup	Innovation Contest	Govt of West Bengal	Govt. Agency (State)	24-11-2019 00:00:00	25-11-2019 00:00:00	2	12	3	15	Yes	1st prize worth Rs. 10,000	Gesture Controlled Wheelchair and Home Automation Control	Total Total Expense Amount Incurred by Institute? (In Rupees)	3650	<table border="1"> <tr> <td>Award / Position / Recognition Secured</td> <td>1st prize worth Rs. 10,000</td> </tr> <tr> <td>Title of Innovation / Start-up Secured the Award / Recognition</td> <td>Gesture Controlled Wheelchair and Home Automation Control</td> </tr> <tr> <td>Award/Recognition/Achievement Received for</td> <td>Idea/Innovation/Prototype</td> </tr> </table>	Award / Position / Recognition Secured	1st prize worth Rs. 10,000	Title of Innovation / Start-up Secured the Award / Recognition	Gesture Controlled Wheelchair and Home Automation Control	Award/Recognition/Achievement Received for	Idea/Innovation/Prototype
Award / Position / Recognition Secured	1st prize worth Rs. 10,000																						
Title of Innovation / Start-up Secured the Award / Recognition	Gesture Controlled Wheelchair and Home Automation Control																						
Award/Recognition/Achievement Received for	Idea/Innovation/Prototype																						
12	Model Exhibition -NASA international Space Apps Challenge 2019, Hackathon	Innovation	Hackathon	Thinkagain Educational Services LLP	Non-Govt. Agencies	21-09-2019 00:00:00	21-09-2019 00:00:00	1	200	20	220	Yes	1st Prize in Institute and State Level	Lunar Dust Detection and Mitigation	Total Total Expense Amount Incurred by Institute? (In Rupees)	112745	<table border="1"> <tr> <td>Award / Position / Recognition Secured</td> <td>1st Prize in Institute and State Level</td> </tr> <tr> <td>Title of Innovation / Start-up Secured the Award / Recognition</td> <td>Lunar Dust Detection and Mitigation</td> </tr> <tr> <td>Award/Recognition/Achievement Received for</td> <td>Idea/Innovation/Prototype</td> </tr> </table>	Award / Position / Recognition Secured	1st Prize in Institute and State Level	Title of Innovation / Start-up Secured the Award / Recognition	Lunar Dust Detection and Mitigation	Award/Recognition/Achievement Received for	Idea/Innovation/Prototype
Award / Position / Recognition Secured	1st Prize in Institute and State Level																						
Title of Innovation / Start-up Secured the Award / Recognition	Lunar Dust Detection and Mitigation																						
Award/Recognition/Achievement Received for	Idea/Innovation/Prototype																						
13	Model Exhibition	Innovation	Innovation Contest	IEM, Kolkata	Educational Institute	30-08-2019 00:00:00	31-08-2019 00:00:00	2	21	4	25	Yes	2nd Prize	Home Automation	No	<table border="1"> <tr> <td>Award / Position / Recognition Secured</td> <td>2nd Prize</td> </tr> <tr> <td>Title of Innovation / Start-up Secured the Award / Recognition</td> <td>Home Automation</td> </tr> <tr> <td>Award/Recognition/Achievement Received for</td> <td>Idea/Innovation/Prototype</td> </tr> </table>	Award / Position / Recognition Secured	2nd Prize	Title of Innovation / Start-up Secured the Award / Recognition	Home Automation	Award/Recognition/Achievement Received for	Idea/Innovation/Prototype	
Award / Position / Recognition Secured	2nd Prize																						
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14	Model Exhibition	Entrepreneurship/Startup	B-Plan Competitions	IIT, Guwahati	Educational Institute	29-08-2019 00:00:00	01-09-2019 00:00:00	4	6	2	8	Yes	3rd Prize worth Rs. 10,000	Gesture Controlled Wheelchair and Home Automation Control	Total Total Expense Amount Incurred by Institute? (In Rupees)	17000	Award / Position / Recognition Secured	3rd Prize worth Rs. 10,000
15	Technical Lecture Program on Sensors in Everyday Life	Innovation	Skill development	IEEE CAS Chapter Kolkata Section	International Agencies	19-08-2019 00:00:00	19-08-2019 00:00:00	1	75	68	143	No	---	---	No	No		
16	35th National Convention of Electronics and Telecommunication Engineers and National Conference on Intelligent Electronics Systems for State-of-the-Art Healthcare System	Innovation	Conference	The Institution of Engineers (India)	Non-Govt. Agencies	13-08-2019 00:00:00	13-08-2019 00:00:00	1	21	15	36	No	---	---	No	No		
17	Innovation Challenge Design Contest 2019	Innovation	Mentoring Session	Texas Instrument	International Agencies	11-08-2019 00:00:00	11-08-2019 00:00:00	1	16	4	20	No	---	---	No	No		
18	Leadership Talk with union minister of HRD, 22 Aug 2019	Entrepreneurship/Startup	Motivational speak	MIC-MoE	Govt. Agency (Central)	27-09-2019 00:00:00	27-09-2019 00:00:00	1	252	7	259	No	---	---	No	No		

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

5	Dr. Sandhya Pattanayak		ECE		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	MHRD MIC	Govt. Agency (Central)	06-03-2020 00:00:00	07-03-2020 00:00:00	2	Offline
6	Mr. Arkendu Mitra		EE		Assistant Professor		No		No		
7	Dr. Subhram Das		CSE		Assistant Professor		No		No		
8	Ms. Pratyusha Biswas Deb		EE		Assistant Professor		No		No		
9	Mr. Sudhangshu Sarkar		EE		Assistant Professor		No		No		
10	Mr. Pallab Dutta		EE		Assistant Professor		No		No		
11	Ms. Kamalika Banerjee		EE		Assistant Professor		No		No		
12	Dr. Biswajit Halder		EE		Associate Professor		No		No		
13	Ms. Subhra Mukherjee		EE		Assistant Professor		No		No		
14	Ms. Sagarika Chowdhury		CSE		Assistant Professor		No		No		
15	Ms. Bansari Deb Majumdar		EIE		Assistant Professor		No		No		
16	Mr. Shubhendu Banerjee		CSE		Assistant Professor		No		No		
17	Ms. Suchismita Maiti		IT		Assistant Professor		No		No		
18	Mr. Subhankar Das		CE		Assistant Professor		No		No		
19	Ms. Swati Barui		ECE		Assistant Professor		No		No		
20	Mr. Pranab Hazra		ECE		Assistant Professor		No		No		
21	Dr. Rupa Bhattacharyya		BSHU		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	MHRD MIC	Govt. Agency (Central)	06-03-2020 00:00:00	07-03-2020 00:00:00	2	Offline
22	Dr. Susmita Karan		BSHU		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	MHRD MIC	Govt. Agency (Central)	06-03-2020 00:00:00	07-03-2020 00:00:00	2	Offline

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

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
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1	CII- NIT Innovation Club	Innovation Club	2016	Co-working Space,Work Stations	Pre-Incubation Unit,Incubation Unit,Innovation Park/Research Park,Centre of Excellence with Advance Tools	16	Mr. Nilabhra Pal	nilabhrpal13@gmail.com	9051226722
2	NIT Idea Club	Idea Club	2019	Co-working Space,Work Stations	Pre-Incubation Unit,Incubation Unit,Innovation Labs,Innovation Park/Research Park,Centre of Excellence with Advance Tools	5	Debpuja Dhar	debpuja.dhar@gmail.com	6291396058
3	NIT Startup Club	Startup Club	2019	Co-working Space,Work Stations	Pre-Incubation Unit,Incubation Unit,Innovation Labs,Innovation Park/Research Park,Centre of Excellence with Advance Tools	3	Sujoy Bhowmik	sujoy.bhowmik654@gmail.com	8420425304

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

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?						
1	Innovation and Incubation Cell	Innovation Centre	2015	Co-working Space	Incubation Unit	Incubation Unit	<table border="1"> <tr> <td>Facility Incharge Name</td> <td>Prof. Dr. Bidyut K Medya</td> </tr> <tr> <td>Facility Incharge Email</td> <td>bidyut.medya@nit.ac.in</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>9830160783</td> </tr> </table>	Facility Incharge Name	Prof. Dr. Bidyut K Medya	Facility Incharge Email	bidyut.medya@nit.ac.in	Facility Incharge Phone	9830160783	2	Yes	No	No
Facility Incharge Name	Prof. Dr. Bidyut K Medya																
Facility Incharge Email	bidyut.medya@nit.ac.in																
Facility Incharge Phone	9830160783																

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

Srno	Name of CoE Facility	Year of Establishment	CoE with Access to Other I&E Facilities at the HEI	Name of the Funding Schemes Available with CoE, if any (Optional)	Facility Details	Total Nos of Dedicated Executive/Management team Strength Engaged at the Facility	Had the CoE Provided any Funding Support for Idea/Prototype/Innovation Development and implementation during the Financial Year 2019-20?	Had institute Generated Income either from Services Offered by CoE Centre/Facilities?	Had institute spent expenses either from own resource/received fund towards Establishment/Operation of CoE Centre/Facilities?
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Section 3 > ii > b : List the Centre of Excellence (CoE) Facilities with Advance Tools and Equipment at the HEI (>= 1000 Sq. Ft. Floor Area)

1	JIS Bosch Rexroth Centre of Excellence	2019	Innovation Labs, Innovation Park/Research Park, Student Clubs	Bosch Rexroth Ltd.	<table border="1"> <tr> <td>Facility Incharge Name</td> <td>Dr. Sumit Chabri</td> </tr> <tr> <td>Facility Incharge Email</td> <td>sumit.chabri@nit.ac.in</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>98303 63201</td> </tr> </table>	Facility Incharge Name	Dr. Sumit Chabri	Facility Incharge Email	sumit.chabri@nit.ac.in	Facility Incharge Phone	98303 63201	2	No	No	No
Facility Incharge Name	Dr. Sumit Chabri														
Facility Incharge Email	sumit.chabri@nit.ac.in														
Facility Incharge Phone	98303 63201														

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

Srno	Name of Incubation Facility	Year of Establishment	Incubation with Access to Other I&E Facilities at the HEI	Name of the Funding Schemes Available with Incubation Unit, if any (Optional)	Facility Details	Total Nos of Dedicated Executive/Management team 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	TBI-NIT	2018	Pre-Incubation, Innovation Labs, Innovation Park/Research Park, Centre of Excellence with Advance Tools, IPR Cell/Technology Transfer Centre, Student Clubs	MSME	<table border="1"> <tr> <td>Facility Incharge Name</td> <td>Dr. Sandhya Pattanayak</td> </tr> <tr> <td>Facility Incharge Email</td> <td>sandhya.pattanayak@nit.ac.in</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>90021 87894</td> </tr> </table>	Facility Incharge Name	Dr. Sandhya Pattanayak	Facility Incharge Email	sandhya.pattanayak@nit.ac.in	Facility Incharge Phone	90021 87894	1	No	No	No
Facility Incharge Name	Dr. Sandhya Pattanayak														
Facility Incharge Email	sandhya.pattanayak@nit.ac.in														
Facility Incharge Phone	90021 87894														

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

Srno	Name of Innovation Park/Research Park Facility	Year of Establishment	Innovation Park / Research Park with Access to Other I & E Facilities at the HEI	Name of the Funding Schemes Available with Research/Innovation Park, if any (Optional)	Facility Details	Total Nos of Dedicated Executive/Management team Engaged at the Facility	Had the Research Park/Innovation Park 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 Research Park/Innovation Park?	Had the Research Park/Innovation Park Provided any Funding Support for Idea/Prototype/Innovation/Start up/Venture Development and implementation during the Financial Year 2019-20?						
1	R and D Centre	2017	Pre-Incubation, Incubation Unit, Innovation Labs, Centre of Excellence with Advance Tools, IPR Cell/Technology Transfer Centre, Student Clubs		<table border="1"> <tr> <td>Facility Incharge Name</td> <td>Dr. Saradindu Panda</td> </tr> <tr> <td>Facility Incharge Email</td> <td>saradindu.panda@nit.ac.in</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>90518 20335</td> </tr> </table>	Facility Incharge Name	Dr. Saradindu Panda	Facility Incharge Email	saradindu.panda@nit.ac.in	Facility Incharge Phone	90518 20335	1	No	No	No
Facility Incharge Name	Dr. Saradindu Panda														
Facility Incharge Email	saradindu.panda@nit.ac.in														
Facility Incharge Phone	90518 20335														

Section 3 > ii > e : 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	IPR Cell	2019	Innovation Labs, Innovation Park, Research Park, Centre of Excellence with Advance Tools, Student Clubs		<table border="1"> <tr> <td>Facility Incharge Name</td> <td>Dr. Rupa Bhattacharyya</td> </tr> <tr> <td>Facility Incharge Email</td> <td>rupa.bhattacharyya@nit.ac.in</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>98302 25129</td> </tr> </table>	Facility Incharge Name	Dr. Rupa Bhattacharyya	Facility Incharge Email	rupa.bhattacharyya@nit.ac.in	Facility Incharge Phone	98302 25129	1	No	No	No
Facility Incharge Name	Dr. Rupa Bhattacharyya														
Facility Incharge Email	rupa.bhattacharyya@nit.ac.in														
Facility Incharge Phone	98302 25129														

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

Srno	Name of the Faculty	Designation of the Faculty	Mentor Expert Area	Years of Experience in Mentorship (In Years)
1	Dr. Saradindu Panda	Dean R and D	Idea/Innovation Development	4
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
Auto Sanitising Gloves		Within		
2	Dr. Anilesh Dey	Associate Professor	Idea/Innovation Development	4
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
EOG based wheelchairs for quadriplegic Patients		Within		
3	Mr. Soumya Bhattacharyya	Assistant Professor	Idea/Innovation Development	4
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
Wifi Logic Controlled Car		Within		
4	Dr. Sandhya Pattanayak	Assistant Professor	Idea/Innovation Development	4
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
AI and IoT based Smart Irrigation System		Within		
5	Mr. Arkendu Mitra	Assistant Professor	Idea/Innovation Development	4

Section 3 > iii > a : 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)
	Four Quadrant Operation of a DC Separately Excited Motor using Single Power Electronic Switch	Within	
6	Ms. Pratyusha Biswas Deb	Assistant Professor	Idea/Innovation Development
	Low Cost Solar Charged Mobile Power Bank	Within	
7	Dr. Subhram Das	Assistant Professor	Idea/Innovation Development
	Deep Learning Based Portable Fingerprint Lock Supported Handheld Multilingual Optical Character Recognizer	Within	
8	Ms. Sagarika Chowdhury	Assistant Professor	Idea/Innovation Development
	Intelligent CCTV Camera for a better Lifestyle	Within	
9	Ms. Pratyusha Biswas Deb	Assistant Professor	Idea/Innovation Development
	Hybrid Air Purifier	Within	
10	Mr. Arkendu Mitra	Assistant Professor	Idea/Innovation Development
	Protection of Power Electronic Devices in a Voltage Source Inverter against Over-current and Shoot-through Faults	Within	
11	Dr. Biswajit Halder	Associate Professor	Idea/Innovation Development
	Portrait image enhancement for printed security documents verification	Within	
12	Ms. Bansari Deb Majumdar	Assistant Professor	Idea/Innovation Development
	IoT based water quality monitoring systems in River, Lakes, and Ponds	Within	
13	Mr. Shubhendu Banerjee	Assistant Professor	Idea/Innovation Development
	Digitally Automated Car Parking Management	Within	

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

14	Ms. Suchismita Maiti	Assistant Professor	Idea/Innovation Development	4
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	Automatic Soil Moisture Control Irrigation System		Within	
15	Mr. Subhankar Das	Assistant Professor	Idea/Innovation Development	4
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	Anti-personal Unmanned Weapon System		Within	
16	Ms. Swati Barui	Assistant Professor	Idea/Innovation Development	4
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	IOT Based Water Pump Controller System using Atmega328p-pu Controller		Within	
17	Mr. Abhijit Ghosh	Assistant Professor	Idea/Innovation Development	4
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	Smart Energy Meter		Within	
18	Mr. Pranab Hazra	Assistant Professor	Idea/Innovation Development	4
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	Digital Restaurant Menu Ordering and GSM Based Billing System		Within	

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

No Data Filled!

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

Srno	Name of the Innovation Generated with the Support of HEI	Type of Innovation	Nature of Innovation	Name of the HEI Supported Innovation Development	Innovation Developed by	Stage of Innovation/ Stage of TRL it started receiving the Support during the FY 2019-20	Stage of Innovation/ Stage of TRL reached as on 31st March 2020	Status Pre-Incubation/Incubation Support to Innovation as on 31st March 2020	Had the Innovation Received any Recognition at State, National, International Level Programs during the financial period 2019-20	Had the Innovation 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
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1	Auto Sanitising Gloves	Product Innovation	Technological		Student-Faculty	TRL 4 : Small scale prototype built in a laboratory environment ("ugly prototype).	TRL 4 : Small scale prototype built in a laboratory environment ("ugly prototype).	Innovation Adopted and Implemented at Ground	Agency Name	MHRD IIC	No	No	No	No
									Agency Type	Govt. Agency (Central)				
									Award / Position / Recognition Secured	100000.00				

Name	Type	Gender	Email	Contact
Arnab Nag	Student	Male	arnabnag2000@gmail.com	8777253982

Name	Type	Gender	Email	Contact
Dr. Saradindu Panda	Faculty	Male	saradindu.panda@nit.ac.in	9051820335
Mr. Abhijit Ghosh	Faculty	Male	abhijit.ghosh@nit.ac.in	9748179097

2	Gesture Controlled Wheelchair & Home Automation Control	Product Innovation	Technological		Student-Faculty	TRL 4 : Small scale prototype built in a laboratory environment ("ugly prototype).	TRL 4 : Small scale prototype built in a laboratory environment ("ugly prototype).	Innovation Adopted and Implemented at Ground	Agency Name	Birla Industrial and Technological Museum, Ministry of Culture, Govt of India	No	Grant Amount in Rs	4100	No	No
									Agency Type	Govt. Agency (Central)					
									Award / Position / Recognition Secured	Awarded Special prize					

Name	Type	Gender	Email	Contact
Sambhunath Surai	Student	Male	sambhu.surai@gmail.com	9836981274

Name	Type	Gender	Email	Contact
Arnab Nag	Student	Male	arnabnag2000@gmail.com	8777253982
Dr. Saradindu Panda	Faculty	-	saradindu.panda@nit.ac.in	9051820335
-	Faculty	-	abhijit.ghosh@nit.ac.in	9748179097

3	Gesture Controlled Wheelchair & Home Automation Control	Product Innovation	Technological		Student-Faculty	TRL 4 : Small scale prototype built in a laboratory environment ("ugly prototype).	TRL 4 : Small scale prototype built in a laboratory environment ("ugly prototype).	Innovation Adopted and Implemented at Ground	Agency Name	Science Model Competition of West Bengal State-Student Youth Science Fair 2019	No	3870	No	No
									Agency Type	Govt. Agency (State)		Grant Amount in Rs		
									Award / Position / Recognition Secured	Winner in this Competition and Awarded 3 lakhs Money for establishing Startup				

Name	Type	Gender	Email	Contact
Sambhunath Surai	Student	Male	sambhu.surai@gmail.com	9836981274

Name	Type	Gender	Email	Contact
Arnab Nag	Student	Male	arnabnag2000@gmail.com	8777253982
Dr. Saradindu Panda	Faculty	Male	saradindu.panda@nit.ac.in	9051820335
Mr. Abhijit Ghosh	Faculty	Male	abhijit.ghosh@nit.ac.in	9748179097

4	Gesture Controlled Wheelchair & Home Automation Control	Product Innovation	Technological		Student-Faculty	TRL 4 : Small scale prototype built in a laboratory environment ("ugly prototype).	TRL 4 : Small scale prototype built in a laboratory environment ("ugly prototype).	Innovation Adopted and Implemented at Ground	Agency Name	Energia 2k19 by IIS WB M, Kolkata	No	No	No	No
									Agency Type	Educational Institute				
									Award / Position / Recognition Secured	1st Position in this Competition.				

Name	Type	Gender	Email	Contact
Sambhunath Surai	Student	Male	sambhu.surai@gmail.com	9836981274

Name	Type	Gender	Email	Contact
Arnab Nag	Student	Male	arnabnag2000@gmail.com	8777253982
Dr. Saradindu Panda	Faculty	Male	saradindu.panda@nit.ac.in	9051820335
Mr. Abhijit Ghosh	Faculty	Male	abhijit.ghosh@nit.ac.in	9748179097

5	Gesture Controlled Wheelchair & Home Automation Control	Product Innovation	Technological		Student-Faculty	TRL 4 : Small scale prototype built in a laboratory environment ("ugly prototype).	TRL 4 : Small scale prototype built in a laboratory environment ("ugly prototype).	Innovation Adopted and Implemented at Ground	Agency Name	B Placement of the Corporate Module, organized by IIT Guwahati	No	No	No	No
									Agency Type	Educational Institute				
									Award / Position / Recognition Secured	3rd Position in this Competition				

Name	Type	Gender	Email	Contact
Sambhunath Surai	Student	Male	sambhu.surai@gmail.com	9836981274

Name	Type	Gender	Email	Contact
Arnab Nag	Student	Male	arnabnag2000@gmail.com	8777253982
Dr. Saradindu Panda	Faculty	Male	saradindu.panda@nit.ac.in	9051820335
Mr. Abhijit Ghosh	Faculty	Male	abhijit.ghosh@nit.ac.in	9748179097

6	Gesture Controlled Wheelchair & Home Automation Control	Product Innovation	Technological		Student-Faculty	TRL 4 : Small scale prototype built in a laboratory environment ("ugly prototype).	TRL 4 : Small scale prototype built in a laboratory environment ("ugly prototype).	Innovation Adopted and Implemented at Ground	Agency Name	TechExpo 2k19 organized by IIT Guwahati	No	4300	No	No
									Agency Type	Educational Institute		Grant Amount in Rs		
									Award / Position / Recognition Secured	2nd Position in this competition				

Name	Type	Gender	Email	Contact
Sambhunath Surai	Student	Male	sambhu.surai@gmail.com	9836981274

Name	Type	Gender	Email	Contact
Arnab Nag	Student	Male	arnabnag2000@gmail.com	8777253982
Dr. Saradindu Panda	Faculty	Male	saradindu.panda@nit.ac.in	9051820335
Mr. Abhijit Ghosh	Faculty	Male	abhijit.ghosh@nit.ac.in	9748179097

7	Gesture Controlled Wheelchair & Home Automation Control	Product Innovation	Technological		Student-Faculty	TRL 4 : Small scale prototype built in a laboratory environment ("ugly prototype).	TRL 4 : Small scale prototype built in a laboratory environment ("ugly prototype).	Innovation Adopted and Implemented at Ground	TECHNE X 2019 in two categories one for MODEX and another for B-Plan. This is the official Techno-management fest of IIT (BHU) Varanasi	No	3600	No	No
									Agency Name				
									Agency Type	Educational Institute			
									Award / Position / Recognition Secured	2nd Position in this Competition			
											Grant Amount in Rs		

Name	Type	Gender	Email	Contact
Sambhunath Surai	Student	Male	sambhu.surai@gmail.com	9836981274

Name	Type	Gender	Email	Contact
Arnab Nag	Student	Male	arnabnag2000@gmail.com	8777253982
Dr. Saradindu Panda	Faculty	Male	saradindu.panda@nit.ac.in	9051820335
Mr. Abhijit Ghosh	Faculty	Male	abhijit.ghosh@nit.ac.in	9748179097

8	Lunar Dust Detection and Mitigation	Product Innovation	Technological		Student-Faculty	TRL 4 : Small scale prototype built in a laboratory environment ("ugly prototype).	TRL 4 : Small scale prototype built in a laboratory environment ("ugly prototype).	Innovation Adopted and Implemented at Ground	Agency Name	Thinkag in Educational Services LLP	No	No	No	No
									Agency Type	Not-Govt. Agencies				
									Award / Position / Recognition Secured	1st Prize in Institute and State Level				

Name	Type	Gender	Email	Contact
Rajdeep Sinha	Student	Male	rajdeepsinha9619@gmail.com	7449470508

Name	Type	Gender	Email	Contact
Arnab Nag	Student	Male	arnabnag2000@gmail.com	8777253982
Arpita Basu	Student	Female	arpitabasu74@gmail.com	9874337703
Dr. Saradindu Panda	Faculty	Male	saradindu.panda@nit.ac.in	9051820335
Mr. Abhijit Ghosh	Faculty	Male	abhijit.ghosh@nit.ac.in	9748179097

9	Home Automation	Product Innovation	Technological		Student-Faculty	TRL 4 : Small scale prototype built in a laboratory environment ("ugly prototype).	TRL 4 : Small scale prototype built in a laboratory environment ("ugly prototype).	Innovation Adopted and Implemented at Ground	Agency Name	IEM Kolkata	No	No	No	No
									Agency Type	Educational Institute				
									Award / Position / Recognition Secured	2nd Prize				

Name	Type	Gender	Email	Contact
Rajdeep Sinha	Student	Male	rajdeepsinha9619@gmail.com	7449470508

Name	Type	Gender	Email	Contact
Arnab Nag	Student	Male	arnabnag2000@gmail.com	8777253982
Amarnath Samanta	Student	Male	amarnathsamanta1999@gmail.com	7980952043
Arpita Basu	Student	Female	arpitabasu74@gmail.com	9874337703
Isita Das	Student	Female	isitanitdas@gmail.com	7685848605
Dr. Saradindu Panda	Faculty	Male	saradindu.panda@nit.ac.in	9051820335
Mr. Abhijit Ghosh	Faculty	Male	abhijit.ghosh@nit.ac.in	9748179097

10	CNC MACHINE USING ARDUINO	Product Innovation	Technological		Student	TRL 3 : Applied research. First laboratory tests completed; proof of concept.	TRL 3 : Applied research. First laboratory tests completed; proof of concept.	Innovation Development Ongoing	No	No	No	No	No
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Name	Type	Gender	Email	Contact
CHANDAN KUMAR	Student	Male	chandan.nit.cse@gmail.com	7909043915

Name	Type	Gender	Email	Contact
MD AFROZ	Student	Male	afrozrizwi512786@gmail.com	8481054455

11	Line Following Robot Car	Product Innovation	Technological		Student	TRL 3 : Applied research. First laboratory tests completed; proof of concept.	TRL 3 : Applied research. First laboratory tests completed; proof of concept.	Innovation Development Ongoing	No	No	No	No	No
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Name	Type	Gender	Email	Contact
Anup sarkar	Student	Male	anup.sarkar2012@gmail.com	9903814548

Name	Type	Gender	Email	Contact
Souvik kundu	Student	Male	souvikkundu120@gmail.com	9883821085

12	Portable pulse reader and transmitter	Product Innovation	Technological		Student	TRL 3 : Applied research. First laboratory tests completed; proof of concept.	TRL 3 : Applied research. First laboratory tests completed; proof of concept.	Innovation Development Ongoing	No	No	No	No	No
Name		Type			Gender		Email			Contact			
Souvik Ghosh		Student			Male		xandersavy@gmail.com			8981430140			
Name		Type			Gender		Email			Contact			
Pratik Dey		Student			Male		pratikdey.pro@gmail.com			6291300371			
13	Automatic Home light control using Arduino UNO and PIR Sensor	Product Innovation	Technological		Student	TRL 3 : Applied research. First laboratory tests completed; proof of concept.	TRL 3 : Applied research. First laboratory tests completed; proof of concept.	Innovation Development Ongoing	No	No	No	No	No
Name		Type			Gender		Email			Contact			
Somtirtha Maity		Student			Male		som7686@gmail.com			9836726652			
Name		Type			Gender		Email			Contact			
Subhadeep Mukherjee		Student			Male		subhodeep790@gmail.com			6291956924			
14	Air Command Technology	Product Innovation	Technological		Student	TRL 3 : Applied research. First laboratory tests completed; proof of concept.	TRL 3 : Applied research. First laboratory tests completed; proof of concept.	Innovation Development Ongoing	No	No	No	No	No

Name	Type	Gender	Email	Contact
Tanmoy Karmakar	Student	Male	tanmoykarmakar.dob@gmail.com	9073500973

Name	Type	Gender	Email	Contact
Shreyoshee Paul	Student	Female	sonaipaul.malda@gmail.com	7001875628

15	Sound detector	Product Innovation	Technological	Student	TRL 3 : Applied research. First laboratory tests completed; proof of concept.	TRL 3 : Applied research. First laboratory tests completed; proof of concept.	Innovation Development Ongoing	No	No	No	No	No
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Name	Type	Gender	Email	Contact
Prasanta majumder	Student	Male	prasantamajumder575@gmail.com	6294838260

Name	Type	Gender	Email	Contact
Souvik pal	Student	Male	Palsouvik123@gmail.com	7908475338

16	Accident prevention road safety project	Product Innovation	Technological	Student	TRL 3 : Applied research. First laboratory tests completed; proof of concept.	TRL 3 : Applied research. First laboratory tests completed; proof of concept.	Innovation Development Ongoing	No	No	No	No	No
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Name	Type	Gender	Email	Contact
Stuti Bhattacharjee	Student	Female	bhattacharjeestuti@gmail.com	9330455068

Name	Type	Gender	Email	Contact
Koustav Adhikary	Student	Male	adhikarykoustav2@gmail.com	9163919858

17	HOME AUTOMATION	Product Innovation	Technological		Student	TRL 3 : Applied research. First laboratory tests completed; proof of concept.	TRL 3 : Applied research. First laboratory tests completed; proof of concept.	Innovation Development Ongoing	No	No	No	No	No
Name		Type			Gender			Email			Contact		
MAINAK DEY		Student			Male			mainakdey2001@gmail.com			8910869199		
Name		Type			Gender			Email			Contact		
SOUMAJIT KARMAKAR		Student			Male			soumajitkohli18@gmail.com			8910093905		
18	Prototype of a space exploration Rover	Product Innovation	Technological		Student	TRL 3 : Applied research. First laboratory tests completed; proof of concept.	TRL 3 : Applied research. First laboratory tests completed; proof of concept.	Innovation Development Ongoing	No	No	No	No	No
Name		Type			Gender			Email			Contact		
Sanmitra Biswas		Student			Female			sanmitrabiswas10@gmail.com			6291786192		
Name		Type			Gender			Email			Contact		
Hiranangshu Ghosh		Student			Male			hiranangshu@gmail.com			7044581928		
19	SMART ECO DUSTBIN	Product Innovation	Technological		Student	TRL 3 : Applied research. First laboratory tests completed; proof of concept.	TRL 3 : Applied research. First laboratory tests completed; proof of concept.	Innovation Development Ongoing	No	No	No	No	No

Name	Type	Gender	Email	Contact
SOUVIK DATTA	Student	Male	souvik1999datta2015@gmail.com	9064497926

Name	Type	Gender	Email	Contact
TANMOY ADAK	Student	Male	tanmoyadak1012@gmail.com	7980966273

20	Smart Shoe	Product Innovation	Technological	Student	TRL 3 : Applied research. First laboratory tests completed; proof of concept.	TRL 3 : Applied research. First laboratory tests completed; proof of concept.	Innovation Development Ongoing	No	No	No	No	No
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Name	Type	Gender	Email	Contact
Bichitrita Bhowmick	Student	Female	bichitrita2014@gmail.com	9123621586

Name	Type	Gender	Email	Contact
Srabani Ghoshal	Student	Female	ghoshal.srabani98@gmail.com	8240574869

21	Home Automation	Product Innovation	Technological	Student	TRL 3 : Applied research. First laboratory tests completed; proof of concept.	TRL 3 : Applied research. First laboratory tests completed; proof of concept.	Innovation Development Ongoing	No	No	No	No	No
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Name	Type	Gender	Email	Contact
BISWARUP BHATTACHARJEE	Student	Male	biswarup14rick@gmail.com	8420157314

Name	Type	Gender	Email	Contact
Tanmoy Sarkar	Student	Male	tanmoysrkr2014@gmail.com	9674277959

22	ARDUINO BASED FLAME AND SMOKE ALARM	Product Innovation	Technological		Student	TRL 3 : Applied research. First laboratory tests completed; proof of concept.	TRL 3 : Applied research. First laboratory tests completed; proof of concept.	Innovation Development Ongoing	No	No	No	No	No
Name		Type			Gender			Email		Contact			
Subhadeep Mondal		Student			Male			msubhadeep555@gmail.com		8972996698			
Name		Type			Gender			Email		Contact			
ANJALI KAUR		Student			Female			kauranjali05@gmail.com		7044698285			
23	Automatic traffic signal using sound sensor	Product Innovation	Technological		Student	TRL 3 : Applied research. First laboratory tests completed; proof of concept.	TRL 3 : Applied research. First laboratory tests completed; proof of concept.	Innovation Development Ongoing	No	No	No	No	No
Name		Type			Gender			Email		Contact			
Raunak Kumar shaw		Student			Male			raunakshaw82@gmail.com		917278932724			
Name		Type			Gender			Email		Contact			
Suvam Kumar Sen		Student			Male			suvam.sen.31@gmail.com		8789259470			
24	Human following Robot	Product Innovation	Technological		Student	TRL 3 : Applied research. First laboratory tests completed; proof of concept.	TRL 3 : Applied research. First laboratory tests completed; proof of concept.	Innovation Development Ongoing	No	No	No	No	No

Name	Type	Gender	Email	Contact
Kriti Keshari	Student	Female	kritikeshari19@gmail.com	7596862985

Name	Type	Gender	Email	Contact
Abheek Bose	Student	Male	abheekbose504@gmail.com	9874990671

25	Mobile phone detector	Product Innovation	Technological		Student	TRL 3 : Applied research. First laboratory tests completed; proof of concept.	TRL 3 : Applied research. First laboratory tests completed; proof of concept.	Innovation Development Ongoing	No	No	No	No	No
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Name	Type	Gender	Email	Contact
Kriti keshari	Student	Female	kritikeshari19@gmail.com	7596862985

Name	Type	Gender	Email	Contact
Abheek Bose	Student	Male	abheekbose504@gmail.com	9874990671

26	Smart traffic light system for emergency vehicles	Product Innovation	Technological		Student	TRL 3 : Applied research. First laboratory tests completed; proof of concept.	TRL 3 : Applied research. First laboratory tests completed; proof of concept.	Innovation Development Ongoing	No	No	No	No	No
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Name	Type	Gender	Email	Contact
Rajat kumar prasad	Student	Male	rajatprasad562@gmail.com	9477525078

Name	Type	Gender	Email	Contact
Simanchal Pattanayak	Student	Male	psimachal001@gmail.com	7003792543

27	Air pressure rocket launcher	Product Innovation	Technological		Student	TRL 2 : Technology formulation . Concept and application have been formulated.	TRL 3 : Applied research. First laboratory tests completed; proof of concept.	Innovation Development Ongoing	No	No	No	No	No
Name		Type			Gender			Email			Contact		
Samrat Jana		Student			Male			samratjana5@gmail.com			7688007463		
Name		Type			Gender			Email			Contact		
Abhijit Sharma		Student			Male			abhijitsharma8820@gmail.com			8820753731		
28	Home automation control iot based	Product Innovation	Technological		Student	TRL 3 : Applied research. First laboratory tests completed; proof of concept.	TRL 3 : Applied research. First laboratory tests completed; proof of concept.	Innovation Development Ongoing	No	No	No	No	No
Name		Type			Gender			Email			Contact		
SABYASACHI SARANGI		Student			Male			sabyasachisarangi23@gmail.com			8240642093		
Name		Type			Gender			Email			Contact		
Sampad Dutta		Student			Male			sampad31dutta@gmail.com			6289351179		
29	Automatic IOT based monitoring of temperature & humidity of soil & atmosphere.	Product Innovation	Technological		Student	TRL 3 : Applied research. First laboratory tests completed; proof of concept.	TRL 3 : Applied research. First laboratory tests completed; proof of concept.	Innovation Development Ongoing	No	No	No	No	No

Name		Type			Gender		Email		Contact				
Pranjal Mazumder		Student			Male		pranjalmazumder2898@gmail.com		8910012702				
Name		Type			Gender		Email		Contact				
Sayan Chakraborty		Student			Male		sayanchakraborty447@gmail.com		8617760631				
30	Dingdang	Product Innovation	Technological		Student	TRL 3 : Applied research. First laboratory tests completed; proof of concept.	TRL 3 : Applied research. First laboratory tests completed; proof of concept.	Innovation Development Ongoing	No	No	No	No	No
Name		Type			Gender		Email		Contact				
Swarna Saha		Student			Female		swarnasaha29@gmail.com		7998183298				
Name		Type			Gender		Email		Contact				
Sanchita Nandy		Student			Female		Sanchitanandy458@gmail.com		918617714629				
31	RC Sweeping Car	Product Innovation	Technological		Student	TRL 3 : Applied research. First laboratory tests completed; proof of concept.	TRL 3 : Applied research. First laboratory tests completed; proof of concept.	Innovation Development Ongoing	No	No	No	No	No
Name		Type			Gender		Email		Contact				
SOUMYA DIPTA BORAL		Student			Male		soumyaboral400@gmail.com		9088722445				
Name		Type			Gender		Email		Contact				
Abhisek Das		Student			Male		chandranidas40@gmail.com		7044802196				

32	advanced ecommerce store	Product Innovation	Technological		Student	TRL 3 : Applied research. First laboratory tests completed; proof of concept.	TRL 3 : Applied research. First laboratory tests completed; proof of concept.	Innovation Development Ongoing	No	No	No	No	No
Name		Type			Gender			Email		Contact			
Sankha Sengupta		Student			Male			sankhasengupta2360@gmail.com		6290016459			
Name		Type			Gender			Email		Contact			
Priyam Dutta		Student			Male			priyamduttayt@gmail.com		9007768700			
33	Password Management App	Product Innovation	Technological		Student	TRL 2 : Technology formulation . Concept and application have been formulated.	TRL 3 : Applied research. First laboratory tests completed; proof of concept.	Innovation Development Ongoing	No	No	No	No	No
Name		Type			Gender			Email		Contact			
Roshan Singh		Student			Male			roshansingh1886@gmail.com		7003147990			
Name		Type			Gender			Email		Contact			
Rituparna Patra		Student			Female			rituparna141095@gmail.com		9433804590			
34	Self leveling quadcopter using Arduino uno	Product Innovation	Technological		Student	TRL 2 : Technology formulation . Concept and application have been formulated.	TRL 3 : Applied research. First laboratory tests completed; proof of concept.	Innovation Development Ongoing	No	No	No	No	No

Name		Type		Gender		Email		Contact				
Arijit Dutta		Student		Male		duttaarijit143@gmail.com		7003507374				
Name		Type		Gender		Email		Contact				
Sujay Chandra Das		Student		Male		sdas8438@gmail.com		8910885430				
35	Speed control of DC Motor	Product Innovation	Technological	Student	TRL 2 : Technology formulation . Concept and application have been formulated.	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype).	Innovation Development Ongoing	No	No	No	No	No
Name		Type		Gender		Email		Contact				
Shuvajit Mitra		Student		Male		mitrashuvajit@gmail.com		7384339403				
Name		Type		Gender		Email		Contact				
Priyabrata Maity		Student		Male		priyabratamaity32@gmail.com		7998422551				
36	Automatic Irrigation system using moisture sensor	Product Innovation	Technological	Student	TRL 2 : Technology formulation . Concept and application have been formulated.	TRL 3 : Applied research. First laboratory tests completed; proof of concept.	Innovation Development Ongoing	No	No	No	No	No
Name		Type		Gender		Email		Contact				
Komal Kumari roy		Student		Male		komalkkr5@gmail.com		9674441084				
Name		Type		Gender		Email		Contact				
Rimisha das		Student		Female		rimishadas19@gmail.com		7980804226				

37	Technical house	Product Innovation	Technological		Student	TRL 2 : Technology formulation . Concept and application have been formulated.	TRL 3 : Applied research. First laboratory tests completed; proof of concept.	Innovation Development Ongoing	No	No	No	No	No
					Name		Type		Gender		Email		Contact
					Samima Ansari		Student		Female		samima1804@gmail.com		9674553883
					Name		Type		Gender		Email		Contact
					Abhishek Kumar		Student		Male		abhishekr3537625@gmail.com		7449421322
38	Biometric Authentication System	Product Innovation	Technological		Student	TRL 2 : Technology formulation . Concept and application have been formulated.	TRL 3 : Applied research. First laboratory tests completed; proof of concept.	Innovation Development Ongoing	No	No	No	No	No
					Name		Type		Gender		Email		Contact
					Ishita Mukherjee		Student		Female		ishitamukherjee99@gmail.com		8335041396
					Name		Type		Gender		Email		Contact
					Debonita Chatterjee		Student		Female		debonitachatterjee.2000@gmail.com		8420535305
39	DESIGNING OF SMART FOOTWEAR FOR WOMEN SECURITY	Product Innovation	Technological		Student	TRL 2 : Technology formulation . Concept and application have been formulated.	TRL 3 : Applied research. First laboratory tests completed; proof of concept.	Innovation Development Ongoing	No	No	No	No	No

Name		Type			Gender		Email			Contact		
RATUL SAHA		Student			Male		ratulsahastudy17550@gmail.com			7047225121		
Name		Type			Gender		Email			Contact		
SOURAB GHOSH		Student			Male		ghoshsourabron@gmail.com			8017020338		
40	Smart dustbin	Product Innovation	Technological		Student	TRL 2 : Technology formulation . Concept and application have been formulated.	TRL 3 : Applied research. First laboratory tests completed; proof of concept.	Innovation Development Ongoing	No	No	No	No
Name		Type			Gender		Email			Contact		
Sourab Chowdhury		Student			Male		schowdhury2501@gmail.com			9874439995		
Name		Type			Gender		Email			Contact		
Aditi mandal		Student			Female		aditimandal0720@gmail.com			7872366471		
41	Profit city	Product Innovation	Technological		Student	TRL 2 : Technology formulation . Concept and application have been formulated.	TRL 3 : Applied research. First laboratory tests completed; proof of concept.	Innovation Development Ongoing	No	No	No	No
Name		Type			Gender		Email			Contact		
Ankit Chatterjee		Student			Male		chatterjeeankit81@gmail.com			6289862687		
Name		Type			Gender		Email			Contact		
Shubhadip jana		Student			Male		shubhadipjana641@gmail.com			7797535680		

42	GREEN CONCRETE	Product Innovation	Technological		Student	TRL 2 : Technology formulation . Concept and application have been formulated.	TRL 3 : Applied research. First laboratory tests completed; proof of concept.	Innovation Development Ongoing	No	No	No	No	No
Name		Type			Gender		Email			Contact			
SUHREET SAHA		Student			Male		suhreet123saha@gmail.com			9804342959			
43	Sports and fitness website	Product Innovation	Technological		Student	TRL 2 : Technology formulation . Concept and application have been formulated.	TRL 3 : Applied research. First laboratory tests completed; proof of concept.	Innovation Development Ongoing	No	No	No	No	No
Name		Type			Gender		Email			Contact			
Subhradip Pramanik		Student			Male		pramaniksubhradip008@gmail.com			8585849513			
Name		Type			Gender		Email			Contact			
Dibyabibha Bhattacharya		Student			Male		dibyabibha@hotmail.com			8336064844			
44	Laser Security System	Product Innovation	Technological		Student	TRL 2 : Technology formulation . Concept and application have been formulated.	TRL 3 : Applied research. First laboratory tests completed; proof of concept.	Innovation Development Ongoing	No	No	No	No	No
Name		Type			Gender		Email			Contact			
Tirtharaj Sarkar		Student			Male		tirtharaja000@gmail.com			8620944468			

Name		Type				Gender			Email		Contact	
Soumi Dey		Student				Female			soumidey31@gmail.com		9830534230	
45	SMART ECO DUSTBIN	Product Innovation	Technological		Student	TRL 2 : Technology formulation . Concept and application have been formulated.	TRL 3 : Applied research. First laboratory tests completed; proof of concept.	Innovation Development Ongoing	No	No	No	No
	Name		Type				Gender			Email		Contact
	SOUVIK DATTA		Student				Male			souvik1999datta2015@gmail.com		9064497926
	Name		Type				Gender			Email		Contact
TANMOY ADAK		Student				Male			tanmoyadak1012@gmail.com		7980966273	
46	CABLE STAYED BRIDGE	Product Innovation	Technological		Student	TRL 2 : Technology formulation . Concept and application have been formulated.	TRL 3 : Applied research. First laboratory tests completed; proof of concept.	Innovation Development Ongoing	No	No	No	No
	Name		Type				Gender			Email		Contact
	Anirban Sarkar		Student				Male			abs499220@gmail.com		7908828694
	Name		Type				Gender			Email		Contact
Srijan Upadhyay		Student				Male			riju10upadhyay@gmail.com		7001813981	

47	Speed control of DC Motor	Product Innovation	Technological		Student	TRL 2 : Technology formulation . Concept and application have been formulated.	TRL 3 : Applied research. First laboratory tests completed; proof of concept.	Innovation Development Ongoing	No	No	No	No	No
Name		Type			Gender		Email			Contact			
Shuvajit Mitra		Student			Male		mitrashuvajit@gmail.com			7384339403			
Name		Type			Gender		Email			Contact			
Priyabrata Maity		Student			Male		priyabratamaity32@gmail.com			7998422551			
48	Least first sort	Product Innovation	Technological		Student	TRL 2 : Technology formulation . Concept and application have been formulated.	TRL 3 : Applied research. First laboratory tests completed; proof of concept.	Innovation Development Ongoing	No	No	No	No	No
Name		Type			Gender		Email			Contact			
Swarna Saha		Student			Female		swarnasaha29@gmail.com			7998183298			
49	Door Alarm	Product Innovation	Technological		Student	TRL 2 : Technology formulation . Concept and application have been formulated.	TRL 3 : Applied research. First laboratory tests completed; proof of concept.	Innovation Development Ongoing	No	No	No	No	No
Name		Type			Gender		Email			Contact			
suparna dhare		Student			Female		suparna.shield@gmail.com			6296920936			

Name		Type				Gender			Email			Contact	
Subhajit chakraborty		Student				Male			Subhopinku@gmail.com			9804899727	
50	Automatic railway track crack detection vehicles	Product Innovation	Technological		Student	TRL 2 : Technology formulation . Concept and application have been formulated.	TRL 3 : Applied research. First laboratory tests completed; proof of concept.	Innovation Development Ongoing	No	No	No	No	No
	Name		Type				Gender			Email			Contact
	Shyamsundar Banerjee		Student				Male			shyamsundarbanerjee888@gmail.com			8116745574
	Name		Type				Gender			Email			Contact
Soutrik Karmakar		Student				Male			karmakarsoutrik@gmail.com			9674446201	
51	human posture monitoring system	Product Innovation	Technological		Student	TRL 2 : Technology formulation . Concept and application have been formulated.	TRL 3 : Applied research. First laboratory tests completed; proof of concept.	Innovation Development Ongoing	No	No	No	No	No
	Name		Type				Gender			Email			Contact
	Nilesh Misra		Student				Male			nilesh11misra@gmail.com			9123909248
	Name		Type				Gender			Email			Contact
Debarati Das		Student				Female			dasdebarati07@gmail.com			8583875821	

52	Assistive technology for blind people	Product Innovation	Technological		Student	TRL 2 : Technology formulation . Concept and application have been formulated.	TRL 3 : Applied research. First laboratory tests completed; proof of concept.	Innovation Development Ongoing	No	No	No	No	No
Name		Type			Gender		Email			Contact			
Tathagata Pal		Student			Male		tathagatapal12@gmail.com			9875434446			
Name		Type			Gender		Email			Contact			
Anirban Karmakar		Student			Male		anirbankarmakar558@gmail.com			8837004467			
53	Portable Air Pollution Detector using Arduino	Product Innovation	Technological		Student	TRL 2 : Technology formulation . Concept and application have been formulated.	TRL 3 : Applied research. First laboratory tests completed; proof of concept.	Innovation Development Ongoing	No	No	No	No	No
Name		Type			Gender		Email			Contact			
Aritra Kar		Student			Male		babaipal149@gmail.com			7980372706			
Name		Type			Gender		Email			Contact			
Prasun Banerjee		Student			Male		prasun1997@gmail.com			7980215130			
54	Drone ambulance	Product Innovation	Technological		Student	TRL 2 : Technology formulation . Concept and application have been formulated.	TRL 3 : Applied research. First laboratory tests completed; proof of concept.	Innovation Development Ongoing	No	No	No	No	No

Name		Type			Gender			Email		Contact			
Rituraj Saha		Student			Male			rituraj10saha@gmail.com		8910901854			
55	Assistive technology for blind people	Product Innovation	Technological		Student	TRL 2 : Technology formulation . Concept and application have been formulated.	TRL 3 : Applied research. First laboratory tests completed; proof of concept.	Innovation Development Ongoing	No	No	No	No	No
Name		Type			Gender			Email		Contact			
Tathagata pal		Student			Male			tathagatapal12@gmail.com		9875434446			
Name		Type			Gender			Email		Contact			
Anirban karmakar		Student			Male			anirbankarmakar558@gmail.com		8837004467			
56	ELECTRICAL POWER FREE GENERATOR WITH DC MOTOR	Product Innovation	Technological		Student	TRL 2 : Technology formulation . Concept and application have been formulated.	TRL 3 : Applied research. First laboratory tests completed; proof of concept.	Innovation Development Ongoing	No	No	No	No	No
Name		Type			Gender			Email		Contact			
Arup Halder		Student			Male			aruphalder108@gmail.com		8777759402			
Name		Type			Gender			Email		Contact			
Sweta Paul		Student			Female			swetapaul6253@gmail.com		8697900925			

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

No Data Filled!

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

Srno	Collaborated Agency Name	Collaborated Agency Type	Purpose of Collaboration	Type of Support Offered	No. of Student Projects/ Ideas / Innovation / Startups from the HEI get benefitted through this partnership	Date of MOU / Agreement Signed on
1	MEDILABZ	Non-Govt. Agencies	Collaboration with Startups/Industry Associations/Knowledge Agencies to Promote I&E Activities and/or Internship Opportunities	Incubation	2	09-09-2019
2	IC Design and Fabrication Centre under the Department of Electronics & Telecommunication Engineering of Jadavpur University	Govt. Agency (State)	Collaboration with Startups/Industry Associations/Knowledge Agencies to Promote I&E Activities and/or Internship Opportunities	Incubation	2	04-12-2019
3	MSME	Govt. Agency (Central)	Providing (or) Receiving Incubation/Pre-Incubation Support Services to Innovators/Startups	Pre-incubation,Incubation	1	13-01-2020

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

No Data Filled!

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

Srno	Title/Name of Patent	IP Registration Number	Date of Filed/Published (Year, Month)	Application Level	Copy of receipt / application screenshot [PDF or Image]
1	Mechanical property modification of PVC - poly(ethyl acrylate) blend by incorporation of Nano Calcium Carbonate	201931050740	National	2019 - 09	Uploaded
2	Green route of Preparation of PVA-Cellulose Nano-composite	201931050741	National	2019 - 09	Uploaded
3	Production of Bio-Diesel from Palm Fatty Acid Distillate using Bio-Hydrolysis and Bio-Desertification Reaction	201931050742	National	2019 - 09	Uploaded
4	Radio Jingle – A Novel Technique for Betterment of Listening & Writing Skills	201931050743	National	2019 - 09	Uploaded
5	Oil Seed Meals: A Novel Cheap Source of Prebiotic Food Material	201931050744	National	2019 - 09	Uploaded
6	Portrait Image Enhancement for Printed Security Documents Verification	201931050748	National	2019 - 09	Uploaded
7	Intelligent CCTV Camera for a Better Lifestyle	201931050749	National	2019 - 09	Uploaded
8	IoT Based Water Quality Monitoring Systems in River, Lakes and Ponds	201931050750	National	2019 - 09	Uploaded
9	Implementation of IOT for Tracking CSR Assets	201931050751	National	2019 - 09	Uploaded
10	Deep Learning Based Portable Fingerprint Lock Supported Handheld Multilingual Optical Character Recognizer	201931050752	National	2019 - 09	Uploaded
11	Electrooculogram Signal Controlled Wheelchair	201931050774	National	2019 - 09	Uploaded
12	Four Quadrant Operation of a DC Separately Excited Motor using Single Power Electronic Switch	201931050775	National	2019 - 09	Uploaded
13	Low Cost Solar Charged Mobile Power Bank	201931050776	National	2019 - 09	Uploaded

14	Digitally Automated Car Parking Management	201931050777	National	2019 - 09	Uploaded
15	Hybrid Air Purifier	201931050778	National	2019 - 09	Uploaded
16	Protection of Power Electronic Devices in a Voltage Source Inverter against Over-current and Shoot-through Faults	201931050910	National	2019 - 10	Uploaded
17	Automatic Soil Moisture Control Irrigation System	201931050911	National	2019 - 10	Uploaded
18	Criminal Face Detection Mechanism using Image Recognition	201931050912	National	2019 - 10	Uploaded
19	Anti-personal Unmanned Weapon System	201931050913	National	2019 - 10	Uploaded
20	Database Builder from Physical Documents	201931050914	National	2019 - 10	Uploaded
21	Electromyogram Signal Acquisition System	201931050918	National	2019 - 10	Uploaded
22	IOT Based Water Pump Controller System using Atmega328p-pu Controller	201931050919	National	2019 - 10	Uploaded
23	Artificial Intelligence based Domestic Solar Power Saving System	201931050920	National	2019 - 10	Uploaded
24	Smart Energy Meter	201931050921	National	2019 - 10	Uploaded
25	Digital Restaurant Menu Ordering and GSM Based Billing System	201931050922	National	2019 - 10	Uploaded
26	Gesture controlled Wheelchair	201931026807A	National	2019 - 09	Uploaded