



ARIIA

ATL 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: J C Bose University of Science and Technology, YMCA [ARI-U-0175]

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	incubation	Incubation Unit	Multidisciplinary	At all level	Both	1	2	0
2	central workshop	Pre-incubation unit	multidisciplinary	At all level	Technical	480	24	21
3	Centre of Excellence (CoE)	Centre of Excellence with Advance Tools & Equipment	multidisciplinary	At all level	Technical	45	1	3
4	Research Lab	Academic Department with lab facility	multidisciplinary	At all level	Both	125	55	7
5	Industry Relation Cell	Industry Institute Interface Unit	multidisciplinary	At all level	Both	515	3	0

Participation of HEI in Innovation & Entrepreneurship Initiatives of Ministry of Education (Till Today)

Programs/Initiatives	Status	Registration ID
Adopted National Innovation and Start-up Policy at the HEI	Yes	Not Required
Establishment of Institution's Innovation Council (IIC) at HEI	YES	IIC Registration ID : IC201810599
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)	No	Not Required

Section 1 > i : 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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1	Workshop: "Mathematical Modeling and Simulation"	Innovation	Workshop	Institute Lead Activity	Department of Mathematics, JCBUST	28-01-2020 00:00:00	29-01-2020 00:00:00	2	Within Campus	150	15	10	0	175	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	103000	No
2	Maths' Fest 19	Innovation	B-Plan Competitions	Institute Lead Activity	Department of Mathematics, JCBUST	11-09-2019 00:00:00	11-09-2019 00:00:00	1	Within Campus	180	15	100	10	305	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	35333	No
3	Thin Film Deposition Techniques-2020	Innovation	Workshop	Institute Lead Activity	Department of Physics	17-02-2020 00:00:00	20-02-2020 00:00:00	4	Within Campus	100	13	0	0	113	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	25000	No
4	Vigyan Samagam	Innovation	Exposure visit	Institute Lead Activity	Department of Physics	14-02-2020 00:00:00	14-02-2020 00:00:00	1	Outside Campus	40	3	0	0	43	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	3426	No
5	NPL Visit	Innovation	Exposure visit	Institute Lead Activity	Department of Physics	26-09-2019 00:00:00	26-09-2019 00:00:00	1	Within Campus	40	5	0	0	45	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	6000	No
6	IUAC Visit	Innovation	Exposure visit	Institute Lead Activity	Department of Physics	13-02-2020 00:00:00	13-02-2020 00:00:00	1	Outside Campus	40	2	0	0	42	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	3200	No
7	Invited Talk on Experimental Nuclear Physics	Innovation	Seminar	Institute Lead Activity	Department of Physics	07-02-2020 00:00:00	07-02-2020 00:00:00	1	Within Campus	100	13	0	0	113	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	6000	No
8	Escalade 8.0 Prelims	Innovation	Innovation Contest	Student Lead Activity	Microbird, Dean Student Welfare office	07-07-2019 00:00:00	07-07-2019 00:00:00	1	Within Campus	30	0	10	0	40	No	No	

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9	Laezo Reizo	Innovation	Exhibition	Student Lead Activity	Microbird , Dean Student Welfare Office	16-12-2019 00:00:00	16-12-2019 00:00:00	1	Within Campus	210	20	40	5	275	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	9000	No						
10	Stimulated Loop Tracer	Innovation	Workshop	Student Lead Activity	Microbird , Dean Student Welfare Office	28-09-2019 00:00:00	29-09-2019 00:00:00	2	Within Campus	126	4	0	0	130	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	10000	<table border="1"> <tr> <td>Award / Position / Recognition Secured</td> <td>Award</td> </tr> <tr> <td>Title of Innovation / Start-up Secured the Award / Recognition</td> <td>Recognition (Best Performer)</td> </tr> <tr> <td>Award/Recognition/Achievement Received for</td> <td></td> </tr> </table>	Award / Position / Recognition Secured	Award	Title of Innovation / Start-up Secured the Award / Recognition	Recognition (Best Performer)	Award/Recognition/Achievement Received for	
Award / Position / Recognition Secured	Award																						
Title of Innovation / Start-up Secured the Award / Recognition	Recognition (Best Performer)																						
Award/Recognition/Achievement Received for																							
11	PCB Designing	Innovation	Workshop	Student Lead Activity	Microbird , Dean Student Welfare Office	23-12-2019 00:00:00	23-12-2019 00:00:00	1	Within Campus	80	4	0	0	84	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	5000	No						
12	Motor control via Image processing	Innovation	Workshop	Student Lead Activity	Samarpan, Dean Student Welfare Office	24-08-2019 00:00:00	24-08-2019 00:00:00	1	Within Campus	180	0	20	0	200	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	8465	No						
13	Wireless Communication	Innovation	Workshop	Student Lead Activity	Samarpan, Dean Student Welfare Office	18-10-2019 00:00:00	18-10-2019 00:00:00	1	Within Campus	90	0	0	0	90	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	9000	No						
14	Gui using lot and python	Innovation	Workshop	Student Lead Activity	Samarpan, Dean Student Welfare Office	09-11-2019 00:00:00	09-11-2019 00:00:00	1	Within Campus	71	0	0	0	71	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	9500	No						

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15	Pcb designing and fabrication Competition	Innovation	Innovation Contest	Student Lead Activity	Samarpan , Dean Student Welfare Office	10-01-2020 00:00:00	10-01-2020 00:00:00	1	Within Campus	56	1	2	0	59	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	5560	Award / Position / Recognition Secured	Award
																	Title of Innovation / Start-up Secured the Award / Recognition	Best Designer
																	Award/Recognition/Achievement Received for	
16	Stimulated Loop Tracers & Decision Control	Innovation	Innovation Contest	Student Lead Activity	Microbird , Dean Student Welfare Office	28-09-2019 00:00:00	28-09-2019 00:00:00	1	Within Campus	85	5	20	0	110	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	10000	No	
17	Pragyan	Innovation	Workshop	Student Lead Activity	Microbird , Dean Student Welfare Office	01-01-2020 00:00:00	01-01-2020 00:00:00	1	Within Campus	26	4	12	0	42	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	4200	Award / Position / Recognition Secured	Award
																	Title of Innovation / Start-up Secured the Award / Recognition	Innovative(Best Project)
																	Award/Recognition/Achievement Received for	
18	ARDUINO CONTROL & BLUETOOTH CAR	Innovation	Demo Day	Student Lead Activity	Mechnext , Dean Student Welfare Office	10-09-2019 00:00:00	10-09-2019 00:00:00	1	Within Campus	66	0	0	0	66	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	10000	No	
19	Internal Combustion Engine	Innovation	Demo Day	Student Lead Activity	Mechnext , Dean Student Welfare Office	15-02-2020 00:00:00	15-02-2020 00:00:00	1	Within Campus	46	0	0	0	46	No		No	
20	RC Plane	Innovation	Demo Day	Student Lead Activity	Mechnext , Dean Student Welfare Office	25-02-2020 00:00:00	25-02-2020 00:00:00	1	Within Campus	52	0	0	0	52	No		No	

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21	PCB Designing Competition for first year students	Innovation	Innovation Contest	Student Lead Activity	IEEE, Dean Student Welfare Office	11-01-2020 00:00:00	12-01-2020 00:00:00	2	Within Campus	40	1	0	0	41	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	500	Award / Position / Recognition Secured	Position
																	Title of Innovation / Start-up Secured the Award / Recognition	Best PCB Designer
																	Award/Recognition/Achievement Received for	
22	Projects Completion based on Real-Life Problems :	Innovation	Innovation Contest	Student Lead Activity	IEEE, Dean Student Welfare Office	21-01-2020 00:00:00	05-02-2020 00:00:00	16	Within Campus	53	1	0	0	54	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	500	Award / Position / Recognition Secured	Position
																	Title of Innovation / Start-up Secured the Award / Recognition	Best Project
																	Award/Recognition/Achievement Received for	
23	Session on How to build your own computer	Innovation	Workshop	Student Lead Activity	IEEE, Dean Student Welfare Office	07-02-2020 00:00:00	07-02-2020 00:00:00	1	Within Campus	35	1	0	0	36	No		No	
24	Dynamic Programming	Innovation	Workshop	Student Lead Activity	Manan, Dean Student Welfare Office	10-09-2019 00:00:00	10-09-2019 00:00:00	1	Within Campus	80	2	0	0	82	No		No	
25	Segment Trees	Innovation	Workshop	Student Lead Activity	Manan, Dean Student Welfare Office	11-10-2019 00:00:00	11-10-2019 00:00:00	1	Within Campus	70	2	0	0	72	No		No	
26	Mock ICPC	Innovation	Innovation Contest	Student Lead Activity	Manan, Dean Student Welfare Office	14-10-2019 00:00:00	14-10-2019 00:00:00	1	Within Campus	72	0	40	0	112	No		No	

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27	Ideathon	Innovation	Innovation Contest	Student Lead Activity	Manan, Dean Student Welfare Office	07-11-2019 00:00:00	07-11-2019 00:00:00	1	Within Campus	156	20	90	20	286	<div style="background-color: #002060; color: white; padding: 5px;"> Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) </div> 40000	<div style="background-color: #002060; color: white; padding: 5px;"> Award / Position / Recognition Secured </div> Position
																<div style="background-color: #002060; color: white; padding: 5px;"> Title of Innovation / Start-up Secured the Award / Recognition </div> Best idea for each theme
																<div style="background-color: #002060; color: white; padding: 5px;"> Award/Recognition/Achievement Received for </div>
28	Session on how to hack the interview	Innovation	Workshop	Student Lead Activity	Manan, Dean Student Welfare Office	23-10-2019 00:00:00	23-10-2019 00:00:00	1	Within Campus	200	2	0	0	202	No	No
29	Session on linked list	Innovation	Workshop	Student Lead Activity	Manan, Dean Student Welfare Office	30-10-2019 00:00:00	30-10-2019 00:00:00	1	Within Campus	120	2	0	0	122	No	No
30	Code Cadet XVIII	Innovation	Innovation Contest	Student Lead Activity	Manan, Dean Student Welfare Office	04-11-2019 00:00:00	04-11-2019 00:00:00	1	Within Campus	100	2	40	0	142	<div style="background-color: #002060; color: white; padding: 5px;"> Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) </div> 2500	<div style="background-color: #002060; color: white; padding: 5px;"> Award / Position / Recognition Secured </div> Position
																<div style="background-color: #002060; color: white; padding: 5px;"> Title of Innovation / Start-up Secured the Award / Recognition </div> Rank 1 CP(Scoring First Position in Contest)
																<div style="background-color: #002060; color: white; padding: 5px;"> Award/Recognition/Achievement Received for </div>
31	Kickstarting Web Development	Innovation	Workshop	Student Lead Activity	Manan, Dean Student Welfare Office	07-11-2019 00:00:00	07-11-2019 00:00:00	1	Within Campus	150	2	0	0	152	No	No

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32	Code Wars	Innovation	Innovation Contest	Student Lead Activity	Manan, Dean Student Welfare Office	09-11-2019 00:00:00	09-11-2019 00:00:00	1	Within Campus	130	1	160	2	293	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	3000	Award / Position / Recognition Secured	Position
																Title of Innovation / Start-up Secured the Award / Recognition	Scoring First Position in the contest	
																Award/Recognition/Achievement Received for		
33	Code-O-Fiesta	Innovation	Innovation Contest	Student Lead Activity	Manan, Dean Student Welfare Office	23-11-2019 00:00:00	23-11-2019 00:00:00	1	Within Campus	70	2	0	0	72	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	2500	Award / Position / Recognition Secured	Position
																Title of Innovation / Start-up Secured the Award / Recognition	First Position in the contest	
																Award/Recognition/Achievement Received for		
34	Problem Solving	Innovation	Innovation Contest	Student Lead Activity	Manan, Dean Student Welfare Office	20-01-2020 00:00:00	20-01-2020 00:00:00	1	Within Campus	90	2	0	0	92	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	2500	Award / Position / Recognition Secured	Position
																Title of Innovation / Start-up Secured the Award / Recognition	First Position in the Contest	
																Award/Recognition/Achievement Received for		

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

35	Code Cadet XX	Innovation	Innovation Contest	Student Lead Activity	Manan, Dean Student Welfare Office	15-02-2020 00:00:00	15-02-2020 00:00:00	1	Within Campus	130	2	60	0	192	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	4000	Award / Position / Recognition Secured	Position
																Title of Innovation / Start-up Secured the Award / Recognition	First Position	
																Award/Recognition/Achievement Received for		
36	Code Cadet XXI	Innovation	Innovation Contest	Student Lead Activity	Manan, Dean Student Welfare Office	26-03-2020 00:00:00	26-03-2020 00:00:00	1	Within Campus	110	2	40	0	152	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	3000	Award / Position / Recognition Secured	Position
																Title of Innovation / Start-up Secured the Award / Recognition	First Position	
																Award/Recognition/Achievement Received for		
37	Lecture on Entrepreneurship Orientation by Sh. Rajesh Kumar, DGM cum Centre Head, NSIC Technical Centre, Neemka, Faridabad	Entrepreneurship/Startup	Seminar	Institute Lead Activity	Department of Management Studies	17-09-2019 00:00:00	17-09-2019 00:00:00	1	Within Campus	165	2	0	0	167	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	3000	No	
38	Expert lecture on Nature of futuristic jobs by CA (Dr.) AmanChugh, (Father of Financial Planning, Portfolio Management and Derivatives)	Innovation	Awareness	Institute Lead Activity	Department of Management Studies	09-09-2019 00:00:00	09-09-2019 00:00:00	1	Within Campus	97	3	0	0	100	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	3000	No	

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39	MAC-20 (Marketing and Advertising Competition)	Entrepreneurship/Startup	B-Plan Competitions	Student Lead Activity	EI- Marc Club, Department of Management Studies	20-02-2020 00:00:00	20-02-2020 00:00:00	1	Within Campus	171	15	30	4	220	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	12400	Award / Position / Recognition Secured	Position
																	Title of Innovation / Start-up Secured the Award / Recognition	First, Second, Third Prize in Case Study Competition , First, Second, Third Prize in Live Project, First, Second, Third Prize in Ad Mad Show, First, Second, Third Prize in Poster-making, First, Second, Third Prize in Turncoat Competition
																	Award/Recognition/Achievement Received for	
40	Academia-Industry Meet (AIM-2019)	Entrepreneurship/Startup	Awareness	Institute Lead Activity	Department of Management Studies	16-11-2019 00:00:00	16-11-2019 00:00:00	1	Within Campus	35	15	0	16	66	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	12076	No	
41	Business Meet	Entrepreneurship/Startup	Awareness	Institute Lead Activity	Department of Management Studies	23-11-2019 00:00:00	23-11-2019 00:00:00	1	Within Campus	20	15	0	23	58	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	16920	No	
42	Business Quiz	Innovation	B-Plan Competitions	Student Lead Activity	KOSH, Finance Club, Department of Management Studies	08-02-2020 00:00:00	08-02-2020 00:00:00	1	Within Campus	28	2	0	0	30	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	900	Award / Position / Recognition Secured	Position
																	Title of Innovation / Start-up Secured the Award / Recognition	First, Second, Third Prize to winners of Business Quiz
																	Award/Recognition/Achievement Received for	

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43	Productivity, Cost and Quality challenges in MSME Sector	Entrepreneurship/Startup	Awareness	Student Lead Activity	Department of Management Studies	31-01-2020 00:00:00	31-01-2020 00:00:00	1	Within Campus	35	15	0	35	85	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	18200	No
44	Industrial Visit to Indian Oil Corporation Limited, Asaoti	Innovation	Exposure visit	Institute Lead Activity	Department of Management Studies	04-09-2019 00:00:00	04-09-2019 00:00:00	1	Outside Campus	36	3	0	0	39	No	No	
45	Digital Marketing	Entrepreneurship/Startup	Seminar	Institute Lead Activity	Department of Management Studies	14-10-2019 00:00:00	14-10-2019 00:00:00	1	Within Campus	208	6	0	0	214	No	No	
46	Visit to BSE Office, New Delhi	Innovation	Exposure visit	Institute Lead Activity	Department of Management Studies	22-10-2019 00:00:00	22-10-2019 00:00:00	1	Outside Campus	38	2	0	0	40	No	No	
47	Seminar on Energy Meter	Entrepreneurship/Startup	Seminar	Institute Lead Activity	Electrical Engg. Dept.	26-08-2019 00:00:00	26-08-2019 00:00:00	1	Within Campus	48	0	0	0	48	No	No	
48	Seminar on Industrial Safety	Entrepreneurship/Startup	Seminar	Institute Lead Activity	Electrical Engg. Dept.	27-08-2019 00:00:00	27-08-2019 00:00:00	1	Within Campus	60	0	0	0	60	No	No	
49	Seminar on Electrical Safety Audit	Entrepreneurship/Startup	Seminar	Institute Lead Activity	Electrical Engg. Dept.	29-08-2019 00:00:00	29-08-2019 00:00:00	1	Within Campus	64	0	0	0	64	No	No	
50	Seminar on Satellite Communication and application in Indian Economy	Entrepreneurship/Startup	Seminar	Institute Lead Activity	Electrical Engg. Dept.	31-08-2019 00:00:00	31-08-2019 00:00:00	1	Within Campus	49	0	0	0	49	No	No	
51	Seminar on HVAC systems and new technologies	Entrepreneurship/Startup	Seminar	Institute Lead Activity	Electrical Engg. Dept.	04-10-2019 00:00:00	04-10-2019 00:00:00	1	Within Campus	60	0	0	0	60	No	No	
52	Seminar on project management	Entrepreneurship/Startup	Seminar	Institute Lead Activity	Electrical Engg. Dept.	30-09-2019 00:00:00	30-09-2019 00:00:00	1	Within Campus	16	0	0	0	16	No	No	

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53	Electricity , Generation and Transmission	Entrepreneurship/ Startup	Seminar	Institute Lead Activity	Electrical Engg. Dept.	30-09-2019 00:00:00	30-09-2019 00:00:00	1	Within Campus	60	0	0	0	60	No	No	
54	Low voltage Switchgear, application, selection and coordination	Entrepreneurship/ Startup	Seminar	Institute Lead Activity	Electrical Engg. Dept.	01-10-2019 00:00:00	01-10-2019 00:00:00	1	Within Campus	60	0	0	0	60	No	No	
55	Workshop Conducted on VLCI Module 3&4	Entrepreneurship/ Startup	Skill development	Institute Lead Activity	Mechanical Engg.	29-07-2019 00:00:00	31-07-2019 00:00:00	3	Within Campus	12	2	1	0	15	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	10000	No
56	Workshop Conducted on Refrigeration and Air Conditioning	Entrepreneurship/ Startup	Skill development	Institute Lead Activity	Mechanical Engg.	11-07-2019 00:00:00	11-07-2019 00:00:00	1	Within Campus	90	1	0	4	95	No	No	
57	Expert Lecture on Rapid Prototyping	Innovation	Awareness	Institute Lead Activity	Mechanical Engg.	20-01-2020 00:00:00	24-01-2020 00:00:00	5	Within Campus	50	1	0	0	51	No	No	
58	Awareness session on E-waste management "Karo Sambhav"	Innovation	Awareness	Institute Lead Activity	Environmental Sciences	27-02-2020 00:00:00	27-02-2020 00:00:00	1	Within Campus	37	6	0	0	43	No	No	
59	TEQIP Workshop on "CAD : Specialized Softwares"	Innovation	Awareness	Institute Lead Activity	Department of civil Engineering	22-07-2019 00:00:00	26-07-2019 00:00:00	5	Within Campus	94	2	10	6	112	No	No	
60	Skill Training in Surveying Camp	Innovation	Skill development	Institute Lead Activity	Department of civil Engineering	16-01-2020 00:00:00	16-01-2020 00:00:00	1	Within Campus	40	1	0	8	49	No	No	

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61	One day TEQIP-III Workshop on " BIS Guidelines for Construction "	Innovation	Awareness	Institute Lead Activity	Department of civil Engineering	13-02-2020 00:00:00	13-02-2020 00:00:00	1	Within Campus	69	3	0	4	76	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	10500	No
62	Lecture on AMI Smart metering, Trends communication Technology	Entrepreneurship/Startup	Awareness	Institute Lead Activity	Electronics Engineering	20-09-2019 00:00:00	20-09-2019 00:00:00	1	Within Campus	66	0	0	0	66	No	No	
63	Lecture on Transformation in cellular communication network-A precursor to 5G	Entrepreneurship/Startup	Orientation Session	Institute Lead Activity	Electronics Engineering	03-10-2019 00:00:00	03-10-2019 00:00:00	1	Within Campus	59	0	0	0	59	No	No	
64	Lecture on Introduction to cement of manufacturing and trend change in its packing system and Basic Trends of Consumer and home application and MDU Industry	Entrepreneurship/Startup	Awareness	Institute Lead Activity	Electronics Engineering	19-09-2019 00:00:00	19-09-2019 00:00:00	1	Within Campus	69	0	0	0	69	No	No	
65	Lecture on Super Computers-High Performance Computing	Entrepreneurship/Startup	Seminar	Institute Lead Activity	Electronics Engineering	02-08-2019 00:00:00	02-08-2019 00:00:00	1	Within Campus	71	0	0	0	71	No	No	
66	Lecture on Emerging Trends in IT Computing	Entrepreneurship/Startup	Awareness	Institute Lead Activity	Electronics Engineering	03-09-2019 00:00:00	03-09-2019 00:00:00	1	Within Campus	64	0	0	0	64	No	No	

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

67	Lecture on Entrepreneurship	Entrepreneurship/Startup	Awareness	Institute Lead Activity	Electronics Engineering	03-09-2019 00:00:00	03-09-2019 00:00:00	1	Within Campus	67	0	0	0	67	No	No	
68	Lecture on Rich Communication Suite-future of messaging	Entrepreneurship/Startup	Awareness	Institute Lead Activity	Electronics Engineering	06-08-2019 00:00:00	06-08-2019 00:00:00	1	Within Campus	62	0	0	0	62	No	No	
69	Lecture on Telecom Networks and Implementation	Entrepreneurship/Startup	Skill development	Institute Lead Activity	Electronics Engineering	07-08-2019 00:00:00	07-08-2019 00:00:00	1	Within Campus	72	0	0	0	72	No	No	
70	Lecture on Trends and Generations in Fire Alarm Detection and protection Technologies in Modern Buildings	Entrepreneurship/Startup	Awareness	Institute Lead Activity	Electronics Engineering	10-08-2019 00:00:00	10-08-2019 00:00:00	1	Within Campus	58	0	0	0	58	No	No	
71	Lecture on Smart Cities, System on chip product life cycle, Development IT networks of Indian Railways.	Innovation	Awareness	Institute Lead Activity	Electronics Engineering	22-08-2019 00:00:00	22-08-2019 00:00:00	1	Within Campus	62	0	0	0	62	No	No	
72	IOT AND ITS APPLICATIONS	Innovation	Skill development	Institute Lead Activity	Electronics Engineering	26-08-2019 00:00:00	26-08-2019 00:00:00	1	Within Campus	41	4	0	0	45	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	5000	No
73	Expert lecture	Innovation	Seminar	Institute Lead Activity	Chemistry	02-11-2019 00:00:00	02-11-2019 00:00:00	1	Within Campus	95	5	0	1	101	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	2500	No

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

74	Science Day	Innovation	Seminar	Student Lead Activity	Chemistry	28-02-2020 00:00:00	28-02-2020 00:00:00	1	Within Campus	253	28	0	2	283	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	18500	No
75	Expert lecture	Innovation	Seminar	Institute Lead Activity	Chemistry	02-11-2019 00:00:00	02-11-2019 00:00:00	1	Within Campus	253	28	0	2	283	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	2500	No
76	Awareness Program on Water Conservation	Innovation	Awareness	Institute Lead Activity	Environmental Studies	22-07-2019 00:00:00	22-07-2019 00:00:00	1	Within Campus	150	10	0	0	160	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	6500	No
77	Plastic waste awareness program on "Sustainable Solid Waste Management Practices"	Innovation	Awareness	Institute Lead Activity	Environmental Sciences	11-09-2019 00:00:00	11-09-2019 00:00:00	1	Within Campus	100	15	0	0	115	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	1086	No
78	Expert Lecture on "Disaster Management"	Innovation	Motivational speak	Institute Lead Activity	Environmental Sciences	11-09-2019 00:00:00	11-09-2019 00:00:00	1	Within Campus	70	10	0	0	80	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	8774	No
79	Plastic Waste Free India Campaign "Essay Writing, Poster making, Best Out of Waste Competition"	Innovation	Workshop	Institute Lead Activity	Environmental Sciences	16-10-2019 00:00:00	24-10-2019 00:00:00	9	Within Campus	200	20	0	0	220	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	15000	No

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

80	Awareness session on E-waste management "Karo Sambhav"	Innovation	Awareness	Institute Lead Activity	Environmental Sciences	27-02-2020 00:00:00	27-02-2020 00:00:00	1	Within Campus	37	6	0	0	43	No	No	
81	Expert Lecture on Various Scholarship Offered by Foreign countries	IPR	Seminar	Institute Lead Activity	IAC Cell	15-11-2019 00:00:00	15-11-2019 00:00:00	1	Within Campus	98	4	0	0	102	No	No	
82	Expert Lecture on Wireless Sensor Networks	Innovation	Seminar	Institute Lead Activity	IAC Cell	21-01-2020 00:00:00	21-01-2020 00:00:00	1	Within Campus	213	6	57	2	278	No	No	
83	Motivational Talk on Self Rejuvenating and Confidence Building	Entrepreneurship/Startup	Motivational speak	Institute Lead Activity	IAC Cell	18-09-2019 00:00:00	21-09-2019 00:00:00	4	Within Campus	500	10	0	0	510	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	2000	No
84	Visit to Wings Automobile Products (Pvt.) Ltd.	Entrepreneurship/Startup	Exposure visit	Institute Lead Activity	IIC Cell	05-12-2019 00:00:00	05-12-2019 00:00:00	1	Outside Campus	18	3	0	0	21	No	No	
85	Seminar on Soft Skill of Personality Development	Entrepreneurship/Startup	Skill development	Institute Lead Activity	IIC Cell	10-11-2019 00:00:00	10-11-2019 00:00:00	1	Within Campus	123	0	0	0	123	No	No	
86	Seminar on Soft Skill of Personality Development	Entrepreneurship/Startup	Skill development	Institute Lead Activity	IIC Cell	10-10-2019 00:00:00	10-10-2019 00:00:00	1	Within Campus	118	4	0	0	122	No	No	
87	Workshop on Development of IoT Based Device	Entrepreneurship/Startup, Innovation	Workshop	Institute Lead Activity	IIC Cell	13-11-2019 00:00:00	13-11-2019 00:00:00	1	Within Campus	20	0	0	0	20	No	No	

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

88	Workshop on IPR	IPR	Workshop	Institute Lead Activity	IIC Cell	08-11-2019 00:00:00	08-11-2019 00:00:00	1	Within Campus	100	0	0	0	100	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	3000	No
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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

Sno	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	IPR workshop for MSMEs of Faridabad	IPR	Workshop	Department of Computer Engineering, in coordination with DST, IIC Cell	Educational Institute	23-01-2020 00:00:00	23-01-2020 00:00:00	1	100	0	100	No	---	---	Total Expense Amount Incurred by Institute? (In Rupees)	29402	No
2	Internet of Things	Innovation	Workshop	Department of Computer Engineering	Educational Institute	20-09-2019 00:00:00	21-09-2019 00:00:00	2	200	70	270	No	---	---	Total Expense Amount Incurred by Institute? (In Rupees)	153307	No
3	Workshop conducted on Opportunistic Networks	Innovation	Workshop	Department of Computer Engineering	Educational Institute	03-10-2019 00:00:00	04-10-2019 00:00:00	2	45	0	45	No	---	---	Total Expense Amount Incurred by Institute? (In Rupees)	16165	No
4	Expert Lecture on Open Source Technology	Innovation	Training	Department of Computer Engineering Department of Computer Applications	Educational Institute	24-10-2019 00:00:00	24-10-2019 00:00:00	1	100	0	100	No	---	---	Total Expense Amount Incurred by Institute? (In Rupees)	4000	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

5	Data Science with Python	Innovation	Training	Department of Computer Engineering Industrial Relation Cell ICT Academy	Educational Institute	15-01-2020 00:00:00	17-01-2020 00:00:00	3	12	30	42	No	---	---	Total Total Expense Amount Incurred by Institute? (In Rupees)	13070	No
6	One Week Workshop on Hands on Training on IoT Modules	Innovation	Workshop	Department of Computer Engineering In coordination with (if any) Department of Electronics Engineering in collaboration with CSIR-CEERI PILANI	Educational Institute	24-02-2020 00:00:00	29-02-2020 00:00:00	6	33	7	40	No	---	---	Total Total Expense Amount Incurred by Institute? (In Rupees)	83426	No
7	IEEE, 7th International Conference on Signal Processing and Integrated Networks (SPIN), 2020, Noida, India	IPR	Conference	Amity University, Noida	Educational Institute	27-02-2020 00:00:00	28-02-2020 00:00:00	2	0	1	1	No	---	---	Total Total Expense Amount Incurred by Institute? (In Rupees)	11704	No
8	2019 3rd International Conference (RDCAP E)	IPR	Conference	Amity University, Noida	Educational Institute	10-10-2019 00:00:00	11-10-2019 00:00:00	2	1	5	6	No	---	---	Total Total Expense Amount Incurred by Institute? (In Rupees)	9000	No
9	Crystallography for Material Science	Innovation	Training	IIT Delhi	Educational Institute	24-06-2019 00:00:00	28-06-2019 00:00:00	5	0	1	1	No	---	---	Total Total Expense Amount Incurred by Institute? (In Rupees)	4960	No
10	Current Trends in Material Science	IPR	Training	Kolkata, India	Educational Institute	18-07-2019 00:00:00	20-07-2019 00:00:00	3	0	1	1	No	---	---	Total Total Expense Amount Incurred by Institute? (In Rupees)	19790	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

11	Electric Vehicle Technologies based on Power Electronics	Innovation	Training	IIT Delhi	Educational Institute	26-11-2019 00:00:00	30-11-2019 00:00:00	5	0	1	1	No	---	---	Total Expense Amount Incurred by Institute? (In Rupees)	18108	No
12	Finance for Non-Finance Executives	Innovation	Training	IIM Calcutta	Educational Institute	08-06-2019 00:00:00	12-06-2019 00:00:00	5	0	1	1	No	---	---	Total Expense Amount Incurred by Institute? (In Rupees)	52769	No
13	Finite Element Method for Engineers and Researchers	Innovation	Training	IIT Mandi, Himachal Pradesh	Educational Institute	24-06-2019 00:00:00	28-06-2019 00:00:00	5	0	3	3	No	---	---	Total Expense Amount Incurred by Institute? (In Rupees)	35666	No
14	Intelligent Systems Applications to Power Systems	Innovation	Conference	IIT Delhi	Educational Institute	10-12-2019 00:00:00	14-12-2019 00:00:00	5	0	1	1	No	---	---	Total Expense Amount Incurred by Institute? (In Rupees)	11000	No
15	NCMBS national conference on medical instrumentation, bio materials and signal processing	Innovation	Conference	DCRUST, Murthal	Educational Institute	26-02-2020 00:00:00	27-02-2020 00:00:00	2	2	3	5	No	---	---	Total Expense Amount Incurred by Institute? (In Rupees)	8400	No
16	SPIN	Entrepreneurship/Startup	Conference	Amity school of Engineering and Technology, Uttar Pradesh	Educational Institute	07-03-2020 00:00:00	08-03-2020 00:00:00	2	0	2	2	No	---	---	Total Expense Amount Incurred by Institute? (In Rupees)	6000	No
17	ICACCT conference Kurukshetra	Innovation	Conference	NIT kurukshetra	Educational Institute	06-12-2019 00:00:00	07-12-2019 00:00:00	2	0	2	2	No	---	---	Total Expense Amount Incurred by Institute? (In Rupees)	20560	No
18	management Development Program	Entrepreneurship/Startup	Training	IIM Indore	Educational Institute	27-05-2019 00:00:00	31-05-2019 00:00:00	5	1	1	2	No	---	---	Total Expense Amount Incurred by Institute? (In Rupees)	34241	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

19	Hands on training on solar study lamp assembly	Innovation	Training	IITBombay	Educational Institute	01-05-2019 00:00:00	31-12-2019 00:00:00	24	12	0	12	No	---	---	No	No			
20	Industrial Visit Hyderabad industries limited	Entrepreneurship/Startup	Exposure visit	Hyderabad industries limited	Non-Govt. Agencies	25-02-2020 00:00:00	25-02-2020 00:00:00	1	37	2	39	No	---	---	No	No			
21	Industrial Visit VEEGEE INDUSTRIAL ENTERPRISES	Entrepreneurship/Startup	Exposure visit	VEEGEE INDUSTRIAL ENTERPRISES	Non-Govt. Agencies	02-06-2019 00:00:00	02-06-2019 00:00:00	1	28	2	30	No	---	---	No	No			
22	Industrial Visit in Bony Polymer Pvt. Ltd	Entrepreneurship/Startup	Exposure visit	Bony Polymer Pvt. Ltd. Talanpur	Non-Govt. Agencies	24-01-2020 00:00:00	24-01-2020 00:00:00	1	3	3	6	No	---	---	No	No			
23	Industrial Visit in Bony Polymer Pvt. Ltd	Entrepreneurship/Startup	Exposure visit	Bony Polymer Pvt. Ltd. Talanpur	Non-Govt. Agencies	30-01-2020 00:00:00	30-01-2020 00:00:00	1	3	3	6	No	---	---	No	No			
24	Expert Lecture on D-H parameters of Robotic Technology	Innovation	Awareness	Rajiv Gandhi Govt. Engineering College Kangra Nagrota	Non-Govt. Agencies	01-11-2019 00:00:00	02-11-2019 00:00:00	2	50	1	51	No	---	---	No	No			
25	Creating high performance organizations	Innovation	Mentoring Session	IIM Bangalore	Educational Institute	24-02-2020 00:00:00	28-02-2020 00:00:00	5	0	1	1	No	---	---	<table border="1"> <tr> <td>Total Expense Amount Incurred by Institute? (In Rupees)</td> <td>10000</td> </tr> </table>		Total Expense Amount Incurred by Institute? (In Rupees)	10000	No
Total Expense Amount Incurred by Institute? (In Rupees)	10000																		
26	Safety Management in Construction	Innovation	Mentoring Session	IIT Delhi	Educational Institute	09-03-2020 00:00:00	13-03-2020 00:00:00	5	0	2	2	No	---	---	No	No			
27	Expert Lecture on Fuel Cell	Innovation	Seminar	Vikram Sarabhai Space Centre (VSSC), Thiruvananthapuram (The lead Centre of ISRO)	Govt. Agency (State)	12-02-2020 00:00:00	12-02-2020 00:00:00	1	79	1	80	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

28	Respond Review Program 2020 of ISRO	Innovation	Conference	Vikram Sarabhai Space Centre (VSSC), Thiruvananthapuram (The lead Centre of ISRO)	Govt. Agency (Central)	13-02-2020 00:00:00	14-02-2020 00:00:00	2	299	1	300	No	---	---	No	No	
29	FDP- Research methods and data analysis tool in business application	Entrepreneurship/Start-up	Training	YMCA Faridabad	Govt. Agency (State)	29-04-2019 00:00:00	04-05-2019 00:00:00	6	0	2	2	No	---	---	No	No	
30	Advanced Numerical Techniques and its application	Innovation	Workshop	Dehradun	Educational Institute	06-05-2019 00:00:00	11-05-2019 00:00:00	6	0	1	1	No	---	---	No	No	
31	Workshop- Metadata management and open source discovery systems for libraries	Entrepreneurship/Start-up	Workshop	Gandhinagar	Educational Institute	24-06-2019 00:00:00	29-06-2019 00:00:00	6	0	1	1	No	---	---	Total Total Expense Amount Incurred by Institute? (In Rupees)	14495	No
32	InCAP2019	Innovation	Conference	Ahmedabad	Educational Institute	19-12-2019 00:00:00	22-12-2019 00:00:00	4	0	1	1	No	---	---	Total Total Expense Amount Incurred by Institute? (In Rupees)	26433	No
33	IoT India Congress by Institution of Engineering and Technology	Innovation	Workshop	BENGALURU	Educational Institute	22-08-2019 00:00:00	23-08-2019 00:00:00	2	0	4	4	No	---	---	Total Total Expense Amount Incurred by Institute? (In Rupees)	110306	No
34	Machine Learning for Advanced Manufacturing Methods and Application	Innovation	Training	IIT Guwahati	Educational Institute	24-06-2019 00:00:00	28-06-2019 00:00:00	5	0	2	2	No	---	---	Total Total Expense Amount Incurred by Institute? (In Rupees)	82559	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

35	Management Development Programme	Innovation	Training	IIM Indore	Educational Institute	26-12-2019 00:00:00	28-12-2019 00:00:00	3	0	1	1	No	---	---	Total Total Expense Amount Incurred by Institute? (In Rupees)	13471	No
36	MATLAB and Simulink with Hands on Practice	Innovation	Training	YMCA University	Educational Institute	22-07-2019 00:00:00	26-07-2019 00:00:00	5	0	1	1	No	---	---	Total Total Expense Amount Incurred by Institute? (In Rupees)	42850	No
37	Metadata Management and Open Source Discovery Systems for Libraries	Innovation	Workshop	Gandhinagar, Gujarat	Educational Institute	24-06-2019 00:00:00	29-06-2019 00:00:00	6	0	1	1	No	---	---	Total Total Expense Amount Incurred by Institute? (In Rupees)	14495	No
38	Neural Network and its Application to Optimization based Control	Innovation	Workshop	Pune	Educational Institute	02-12-2019 00:00:00	06-12-2019 00:00:00	5	0	1	1	No	---	---	Total Total Expense Amount Incurred by Institute? (In Rupees)	40860	No
39	Next Generation Power Converters Design, PWM Strategy	Innovation	Training	IIT Delhi	Educational Institute	01-07-2019 00:00:00	05-07-2019 00:00:00	5	0	2	2	No	---	---	Total Total Expense Amount Incurred by Institute? (In Rupees)	8320	No
40	Power Electronics for Renewable Energy and Electric Vehicle	Innovation	Training	MNIT, Jaipur	Educational Institute	19-08-2019 00:00:00	23-08-2019 00:00:00	5	0	3	3	No	---	---	Total Total Expense Amount Incurred by Institute? (In Rupees)	79416	No
41	Research and Professional Skills	Innovation	Workshop	NIT, Kurukshetra	Educational Institute	27-05-2019 00:00:00	31-05-2019 00:00:00	5	0	1	1	No	---	---	Total Total Expense Amount Incurred by Institute? (In Rupees)	18602	No
42	Tribology for Sustainability	Innovation	Training	NIT Srinagar J and K	Educational Institute	17-06-2019 00:00:00	21-06-2019 00:00:00	5	0	1	1	No	---	---	Total Total Expense Amount Incurred by Institute? (In Rupees)	5000	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

43	INDICON	Innovation	Conference	Marwari university Gujrat	Educational Institute	13-12-2019 00:00:00	15-12-2019 00:00:00	3	2	2	4	No	---	---	No	No	
44	RDCAPE	Innovation	Conference	Amity university noida	Educational Institute	10-10-2019 00:00:00	11-10-2019 00:00:00	2	0	1	1	No	---	---	Total Expense Amount Incurred by Institute? (In Rupees)	9000	No
45	CISCO workshop on IoT- Application Development	Entrepreneurship/Startup	Training	R.V. College of Engineering, Bengaluru	Educational Institute	19-11-2019 00:00:00	23-11-2019 00:00:00	5	21	12	33	No	---	---	Total Expense Amount Incurred by Institute? (In Rupees)	1785740	No
46	NITTTR Chandigarh-AICTE Recognized FDP on Choice Based Credit System	Innovation	Training	J.C.Bose University of Science and Technology, YMCA Faridabad	Govt. Agency (State)	11-03-2020 00:00:00	13-03-2020 00:00:00	3	0	2	2	No	---	---	No	No	
47	First International Conference on Power, Control and Computing Technologies (ICPC2T) , 2020, NIT, Raipur, 2020	Innovation	Conference	NIT Raipur	Govt. Agency (Central)	04-01-2020 00:00:00	05-01-2020 00:00:00	2	0	1	1	No	---	---	No	No	
48	International Conference on Computing, Power and Communication Technologies (GUCON), NCR New Delhi, India, 2019	Innovation	Conference	Galgotia University	Educational Institute	27-09-2019 00:00:00	28-09-2019 00:00:00	2	1	1	2	No	---	---	No	No	

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

Srno	Title of Course/Subject Offered	Program Theme	Type of Course	Course Offering Department/Centre/Unit Name	Level of Course	Program Start Date	Program End Date	Program Duration(in Days)	Mode of Delivery	Total Numbers of Participants	Total Numbers of Contact Hours of Course (Minimum 30 Contact hours)
1	Computational Physics Skills	Entrepreneurship/Startup	Elective/Core Credit Course	Bachelor	Physics	15-01-2020	15-05-2020	122	Offline	30	40
2	Entrepreneurship Development	Entrepreneurship/Startup	Elective/Core Credit Course	Master	Department of Management Studies	15-07-2019	30-11-2019	139	Offline	150	40
3	Legal Aspects of Business	Entrepreneurship/Startup	Elective/Core Credit Course	Master	Department of Management Studies	15-07-2019	30-11-2019	139	Offline	134	40
4	Indian Business Environment	Entrepreneurship/Startup	Elective/Core Credit Course	Master	Department of Management Studies	15-07-2019	30-11-2019	139	Offline	134	40
5	International Business Environment	Entrepreneurship/Startup	Elective/Core Credit Course	Master	Department of Management Studies	15-01-2020	31-05-2020	138	Offline	134	40
6	Internet Marketing	Entrepreneurship/Startup	Elective/Core Credit Course	Master	Department of Management Studies	15-01-2020	31-05-2020	138	Offline	10	40
7	Relational Data Base Management System	Entrepreneurship/Startup	Elective/Core Credit Course	Master	Department of Management Studies	15-01-2020	31-05-2020	138	Offline	10	40
8	Search Engine Optimization Methods	Entrepreneurship/Startup	Elective/Core Credit Course	Master	Department of Management Studies	15-01-2020	31-05-2020	138	Offline	10	40
9	Total Quality Management	Entrepreneurship/Startup	Elective/Core Credit Course	Master	Department of Management Studies	15-01-2020	31-05-2020	138	Offline	45	40
10	Introduction to E-Business	Entrepreneurship/Startup	Elective/Core Credit Course	Master	Department of Management Studies	15-01-2020	31-05-2020	138	Offline	10	40
11	Business Law	Entrepreneurship/Startup	Elective/Core Credit Course	Bachelor	Department of Management Studies	15-01-2020	31-05-2020	138	Offline	57	40
12	Marketing Research Techniques	Entrepreneurship/Startup, Innovation	Short term Course	Master	Department of Management Studies	12-02-2020	24-04-2020	73	Offline	53	30
13	Industrial process control	Entrepreneurship/Startup	Elective/Core Credit Course	Master	Electronics Engineering	15-07-2019	30-11-2019	139	Offline	1	40
14	Industrial Electronics	Entrepreneurship/Startup	Elective/Core Credit Course	Master	Electronics Engineering	15-07-2019	30-11-2019	139	Offline	1	40
15	RTL simulation and synthesis with PLDS	Entrepreneurship/Startup	Elective/Core Credit Course	Master	Electronics Engineering	15-07-2019	30-11-2019	139	Offline	12	40

16	Microcontroller and programmable digital signal processing	Entrepreneurship/Startup	Elective/Core Credit Course	Master	Electronics Engineering	15-07-2019	30-11-2019	139	Offline	12	40
17	Industrial process control	Entrepreneurship/Startup	Elective/Core Credit Course	Bachelor	Electronics Engineering	15-01-2020	31-05-2020	138	Online	72	38
18	Computer based instrumentation and control	Entrepreneurship/Startup	Elective/Core Credit Course	Bachelor	Electronics Engineering	15-01-2020	31-05-2020	138	Online	72	32
19	Industrial instrumentation	Entrepreneurship/Startup	Elective/Core Credit Course	Bachelor	Electronics Engineering	15-01-2020	31-05-2020	138	Online	72	38
20	Intelligent instrumentation	Innovation	Elective/Core Credit Course	Bachelor	Electronics Engineering	15-01-2020	31-05-2020	138	Online	63	38
21	VLSI design verification and testing	Entrepreneurship/Startup	Elective/Core Credit Course	Master	Electronics Engineering	15-01-2020	31-05-2020	138	Online	14	38
22	Instrumentation and Sensor Technologies for civil engineering applications	Innovation	Elective/Core Credit Course	Credit Course (Compulsory)	Civil Engineering	15-01-2020	31-05-2020	138	Offline	68	60
23	(SECC 02) Green Chemistry	Innovation	Elective/Core Credit Course	Bachelor	Chemistry	11-01-2019	15-05-2019	125	Online	67	30
24	Research Methodology and IPR	IPR	Elective/Core Credit Course	Master	Department of Computer Engineering	15-07-2019	30-11-2019	139	Offline	61	45
25	Electric Machine Design	Entrepreneurship/Startup	Elective/Core Credit Course	Bachelor	Electrical Engineering	15-07-2019	30-11-2019	139	Offline	76	38
26	Electrical Drive systems	Entrepreneurship/Startup	Elective/Core Credit Course	Bachelor	Electrical Engineering	15-07-2019	30-11-2019	139	Offline	8	38
27	Advances in Power Electronics converters	Entrepreneurship/Startup	Elective/Core Credit Course	Master	Electrical Engineering	15-07-2019	30-11-2019	139	Offline	8	38
28	Modelling and analysis of Electrical Machines	Entrepreneurship/Startup	Elective/Core Credit Course	Master	Electrical Engineering	15-07-2019	30-11-2019	139	Offline	8	38
29	Research Methodology	Innovation	Elective/Core Credit Course	Master	Electrical Engineering	15-07-2019	30-11-2019	139	Offline	16	38
30	Renewable Energy systems (RES)	Entrepreneurship/Startup	Elective/Core Credit Course	Master	Electrical Engineering	15-07-2019	30-11-2019	139	Offline	8	38
31	PWM converters and applications	Entrepreneurship/Startup	Elective/Core Credit Course	Master	Electrical Engineering	15-07-2019	30-11-2019	139	Offline	8	38
32	Industrial Electric system	Entrepreneurship/Startup	Elective/Core Credit Course	Bachelor	Electrical Engineering	15-01-2020	31-05-2020	138	Online	67	38
33	Electrical energy conservation and audit	Entrepreneurship/Startup	Elective/Core Credit Course	Bachelor	Electrical Engineering	15-01-2020	31-05-2020	138	Online	67	38
34	Wind and solar energy system	Entrepreneurship/Startup	Elective/Core Credit Course	Bachelor	Electrical Engineering	15-01-2020	31-05-2020	138	Online	75	38
35	AI Techniques	Innovation	Elective/Core Credit Course	Bachelor	Electrical Engineering	15-01-2020	31-05-2020	138	Online	77	38
36	Solid state control of Drives	Entrepreneurship/Startup	Elective/Core Credit Course	Bachelor	Electrical Engineering	15-01-2020	31-05-2020	138	Online	77	38
37	Utilisation of electrical energy	Entrepreneurship/Startup	Elective/Core Credit Course	Bachelor	Electrical Engineering	15-01-2020	31-05-2020	138	Online	77	38
38	AI Techniques	Innovation	Elective/Core Credit Course	Master	Electrical Engineering	15-01-2020	31-05-2020	138	Online	16	38

39	Restructuring in power system	Entrepreneurship/Startup	Elective/Core Credit Course	Master	Electrical Engineering	15-01-2020	31-05-2020	138	Online	8	38
40	Digital protection of power system	Entrepreneurship/Startup	Elective/Core Credit Course	Master	Electrical Engineering	01-02-2020	30-06-2020	151	Online	8	38
41	CAD CAM	Innovation	Elective/Core Credit Course	Bachelor	Mechanical Engineering Department	15-01-2020	31-05-2020	138	Online	137	35
42	Internal Combustion Engines	Innovation	Elective/Core Credit Course	Bachelor	Mechanical Engineering Department	15-01-2020	31-05-2020	138	Online	59	35
43	Industrial Engineering	Entrepreneurship/Startup	Elective/Core Credit Course	Bachelor	Mechanical Engineering Department	15-01-2020	31-05-2020	138	Online	71	44
44	Automobile Engineering	Innovation	Elective/Core Credit Course	Bachelor	Mechanical Engineering Department	15-01-2020	31-05-2020	138	Online	56	36
45	Airconditioning Equipments	Innovation	Elective/Core Credit Course	Bachelor	Mechanical Engineering Department	15-01-2020	31-05-2020	138	Online	46	36
46	Flexible manufacturing Systems	Innovation	Elective/Core Credit Course	Bachelor	Mechanical Engineering Department	15-01-2020	31-05-2020	138	Online	47	40
47	Human Resource Management	Entrepreneurship/Startup	Elective/Core Credit Course	Master	Mechanical Engineering Department	15-01-2020	31-05-2020	138	Online	32	41
48	Principles of Management	Entrepreneurship/Startup	Elective/Core Credit Course	Master	Mechanical Engineering Department	15-01-2020	31-05-2020	138	Online	16	41
49	Refrigeration and Air Conditioning	Innovation	Elective/Core Credit Course	Bachelor	Mechanical Engineering Department	15-07-2019	30-11-2019	139	Offline	137	42
50	Design of Machine Elements i	Innovation	Elective/Core Credit Course	Bachelor	Mechanical Engineering Department	15-07-2019	30-11-2019	139	Offline	137	42
51	Welding and Allied Processes	Innovation	Elective/Core Credit Course	Master	Mechanical Engineering Department	15-07-2019	30-11-2019	139	Offline	19	40
52	Communication Skills	Entrepreneurship/Startup	Elective/Core Credit Course	Bachelor	CCSD	08-01-2019	30-11-2019	327	Offline	300	45
53	Soft Skills	Entrepreneurship/Startup	Elective/Core Credit Course	Bachelor	CCSD	08-01-2019	30-11-2019	327	Offline	150	45
54	Employability Skills	Entrepreneurship/Startup	Elective/Core Credit Course	Bachelor	CCSD	20-01-2020	30-04-2020	102	Offline	150	45

Section 2 > ii : List 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	Hands-on Training on IoT Modules	Innovation	Employment Generation Training Programs	Department of Computer Engineering	24-02-2020	29-02-2020	6	Offline	40	36

2	Thin Film Deposition Techniques-2020	Innovation	Employment Generation Training Programs	Physics	17-02-2020	20-02-2020	4	Offline	100	30
3	MATLAB and Simulink with hands on Practice	Entrepreneurship/Startup	Employment Generation Training Programs	Electronics Engineering	22-07-2019	26-07-2019	5	Offline	40	30
4	Hands-on Training on Design and Fabrication of PCB	Entrepreneurship/Startup	Employment Generation Training Programs	Electronics Engineering	18-07-2019	24-07-2019	7	Offline	24	30
5	Recent Trends in Civil Engineering	Innovation	FDP in I&E / IPR	Civil Engineering	13-11-2019	17-11-2019	5	Offline	63	30
6	Trends and Advances in GIS and Surveying	Innovation	Employment Generation Training Programs	Civil Engineering	13-01-2020	17-01-2020	5	Offline	86	30
7	Value added course ob LabVIEW	Innovation	Employment Generation Training Programs	Electrical Engineering	15-07-2019	30-11-2019	139	Offline	73	30
8	3D Printing and Design	Entrepreneurship/Startup	Employment Generation Training Programs	Mechanical Engineering Department	15-01-2020	31-05-2020	138	Offline	27	35
9	Concepts for Industry Readiness	Entrepreneurship/Startup	Employment Generation Training Programs	Mechanical Engineering Department	15-01-2020	31-05-2020	138	Offline	22	30

Section 2 > iii : 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	Dr M.L Aggarwal	Mechanical Engineering	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
	Additive Manufacturing with Interdisciplinary Applications	Entrepreneurship/Startup	MDP in I&E, IPR	NIT Jalandhar	Educational Institute	26-06-2020 00:00:00	30-06-2020 00:00:00	5	Online
2	Dr Neetu Gupta	Mathematics	Associate 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
	FDP Research in modern Era	Innovation	FDP in I&E, IPR	JC Bose UST, YMCA, Faridabad	Govt. Agency (State)	30-05-2020 00:00:00	03-06-2020 00:00:00	5	Online
3	Dr Renuka Gupta	Environmental Sciences	Associate 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
	One Week Online Faculty Development Program	Innovation	FDP in I&E, IPR	JC Bose UST, YMCA, Faridabad	Govt. Agency (State)	20-06-2020 00:00:00	24-06-2020 00:00:00	5	Offline
4	Dr Smita	Environmental Sciences	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
	Two-Week Online Short-Term Training Program on "Green Energy Technologies for Sustainable Development"	Innovation	FDP in I&E, IPR	JC Bose UST, YMCA, Faridabad	Govt. Agency (State)	10-06-2020 00:00:00	19-06-2020 00:00:00	10	Online
	5-day FDP on	Innovation	FDP in I&E, IPR	JC Bose UST, YMCA, Faridabad	Govt. Agency (State)	31-05-2020 00:00:00	04-06-2020 00:00:00	5	Online
5	Dr Navish kataria	Environmental Sciences		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
	Energy Conservation and Renewable Energy	Innovation	FDP in I&E, IPR	Indira Gandhi National Open University, New Delhi	Govt. Agency (Central)	07-06-2020 00:00:00	11-06-2020 00:00:00	5	Online
6	Dr Navish Kataria	Environmental Sciences		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
	Science Leadership Workshop	Innovation	Short term Certificate	Central University of Punjab, Bathinda, India	Govt. Agency (Central)	21-06-2020 00:00:00	27-06-2020 00:00:00	7	Online
7	Dr Lalit Mohan Goyal	Computer Engineering		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
	Introduction to Machine Learning- IIT Kharagpur	Innovation	FDP in I&E, IPR	SWAYAM MOOC	Govt. Agency (Central)	28-07-2019 00:00:00	19-09-2019 00:00:00	54	Online
8	Dr Amita Arora	Computer Engineering		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
	Introduction to Internet of Things - Online	Innovation	FDP in I&E, IPR	SWAYAM MOOC	Govt. Agency (Central)	29-07-2019 00:00:00	18-10-2019 00:00:00	82	Online
9	Dr Poonam	Computer Engineering		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
	Introduction to Internet of Things - Online	Innovation	FDP in I&E, IPR	SWAYAM MOOC	Govt. Agency (Central)	29-07-2019 00:00:00	18-10-2019 00:00:00	82	Online
10	Dr Sanjeev Kumar	Mechanical Engineering		Associate 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
	Work System Design - Online	Innovation	FDP in I&E, IPR	SWAYAM MOOC	Govt. Agency (Central)	29-07-2019 00:00:00	18-10-2019 00:00:00	82	Online

11	Dr Ashlesha Gupta	Computer Engineering	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
	Introduction to Internet of Things - Online	Innovation	FDP in I&E, IPR	SWAYAM MOOC	Govt. Agency (Central)	29-07-2019 00:00:00	18-10-2019 00:00:00	82	Online
12	Dr Anuradha Pillai	Computer Engineering	Associate 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
	Introduction to Internet of Things - Online	Innovation	FDP in I&E, IPR	SWAYAM MOOC	Govt. Agency (Central)	29-07-2019 00:00:00	18-10-2019 00:00:00	82	Online
13	Dr Preeti Sethi	Computer Engineering	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
	Introduction to Internet of Things - Online	Innovation	FDP in I&E, IPR	SWAYAM MOOC	Govt. Agency (Central)	29-07-2019 00:00:00	18-10-2019 00:00:00	82	Online
14	Dr Rashmi Popli	Computer Engineering	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
	Introduction to Internet of Things - Online	Innovation	FDP in I&E, IPR	SWAYAM MOOC	Govt. Agency (Central)	29-07-2019 00:00:00	18-10-2019 00:00:00	82	Online
15	Dr SanjeevGoyal	Mechanical Engineering	Associate 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
	Introduction to Internet of Things - Online	Innovation	FDP in I&E, IPR	SWAYAM MOOC	Govt. Agency (Central)	29-07-2019 00:00:00	18-10-2019 00:00:00	82	Online
16	Dr Parul Tomar	Computer Engineering	Associate 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
	Introduction to Internet of Things - Online	Innovation	FDP in I&E, IPR	SWAYAM MOOC	Govt. Agency (Central)	29-07-2019 00:00:00	18-10-2019 00:00:00	82	Online
17	Dr Sapna	Computer Engineering	Associate 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
	Introduction to Internet of Things - Online	Innovation	FDP in I&E, IPR	SWAYAM MOOC	Govt. Agency (Central)	29-07-2019 00:00:00	18-10-2019 00:00:00	82	Online
18	Dr Rajesh Kumar Attri	Mechanical Engineering	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
	Work System Design - Online	Innovation	FDP in I&E, IPR	SWAYAM MOOC	Govt. Agency (Central)	29-07-2019 00:00:00	18-10-2019 00:00:00	82	Online
19	Dr Sandhya Dixit	Mechanical Engineering		Associate 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
	Work System Design - Online	Innovation	FDP in I&E, IPR	SWAYAM MOOC	Govt. Agency (Central)	29-07-2019 00:00:00	18-10-2019 00:00:00	82	Online
20	Dr Rajeev Kumar Saha	Mechanical Engineering		Associate 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
	Work System Design - Online	Innovation	FDP in I&E, IPR	SWAYAM MOOC	Govt. Agency (Central)	29-07-2019 00:00:00	18-10-2019 00:00:00	82	Online
21	Dr Mahesh Chand	Mechanical Engineering		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
	Work System Design - Online	Innovation	FDP in I&E, IPR	SWAYAM MOOC	Govt. Agency (Central)	29-07-2019 00:00:00	18-10-2019 00:00:00	82	Online
22	Mr Surender Singh	Mechanical Engineering		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
	Work System Design - Online	Innovation	FDP in I&E, IPR	SWAYAM MOOC	Govt. Agency (Central)	29-07-2019 00:00:00	18-10-2019 00:00:00	82	Online
23	Mr Nitin Panwar	Mechanical Engineering		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
	Work System Design - Online	Innovation	FDP in I&E, IPR	SWAYAM MOOC	Govt. Agency (Central)	29-07-2019 00:00:00	18-10-2019 00:00:00	82	Online
24	Dr Vinod Kumar	Chemistry		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
	DTITLP course	Innovation	Short term Certificate	IIT BOMBAY	Govt. Agency (Central)	06-04-2020 00:00:00	22-04-2020 00:00:00	17	Online
25	Dr. Anurag Prakash Sunda	Chemistry		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
	DTITLP course	Innovation	Short term Certificate	IIT BOMBAY	Govt. Agency (Central)	06-04-2020 00:00:00	22-04-2020 00:00:00	17	Online
	STC Course	Innovation	Short term Certificate	NITTR CHANDIGARH	Govt. Agency (Central)	12-03-2020 00:00:00	15-03-2020 00:00:00	4	Online
26	Ms Pooja	Chemistry		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
	DTITLP course	Innovation	Short term Certificate	IIT BOMBAY	Govt. Agency (Central)	06-04-2020 00:00:00	22-04-2020 00:00:00	17	Online
27	Dr. Anurag Prakash Sunda	Chemistry		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
	Spectroscopy and Analytical Techniques: Applications	Innovation	FDP in I&E, IPR	JC Bose UST, YMCA	Govt. Agency (State)	25-05-2020 00:00:00	29-05-2020 00:00:00	5	Online
28	Dr. Vishwas Khurana	Chemistry		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
	DTITLP course	Innovation	Short term Certificate	IIT BOMBAY	Govt. Agency (Central)	06-04-2020 00:00:00	22-04-2020 00:00:00	17	Online
29	Dr. Shilpa Behl	Chemistry		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
	DTITLP course	Innovation	Short term Certificate	IIT BOMBAY	Govt. Agency (Central)	06-04-2020 00:00:00	22-04-2020 00:00:00	17	Online

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
1	SAE collegiate	Idea Club	2020	Co-working Space, Work Stations	Incubation Unit	1	Ayush	iamayush2901@gmail.com	8851100592
2	IEEE	Innovation Club	2010	Co-working Space, Work Stations	Incubation Unit	20	Sumit Prasad	sk14452@gmail.com	9958764813
3	Samarpan	Idea Club	2010	Co-working Space	Incubation Unit	13	Vaibhav Mishra	vaibhavamishra520@gmail.com	9582351692
4	MechNext	Innovation Club	2010	Co-working Space, 3D Printing	Incubation Unit	10	Rishabh	mechnext.jcboseust@gmail.com	8890569981

5	Manan	Idea Club	2010	Work Stations	Incubation Unit	25	Ridham Bhat	ridham.bhat@gmail.com	9911473900
6	Microbird	Idea Club	2010	Co-working Space, Work Stations	Incubation Unit	10	Daksh Bakshi	dakshbksh@hmai.com	9205848563

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)

No Data Filled!

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

No Data Filled!

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

No Data Filled!

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

No Data Filled!

Section 3 > ii > e : List the IPR Cell/Technology Transfer Centre Facilities at the HEI

No Data Filled!

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 Nikhil Dev	Assistant Professor	Idea/Innovation Development	2
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	Alternator-Based Kinetic Energy Recovery System: The objective of this KERS set-up is to use a Clutch-assembly which gets engaged while decelerating a vehicle, and thus converting the Kinetic Energy o		Within	
	Self Stablisng Mechanism: Through this self stablisng mechanism, we intend to power the gyroscopic wheel in a real-time and requirement based manner. This means that the gyroscopic wheel shall be po		Within	
	Development of ATV		Within	
	Development of Formula one car		Within	
2	Dr Krishan Verma	Assistant Professor	Idea/Innovation Development	2

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)
Alternator-Based Kinetic Energy Recovery System: The objective of this KERS set-up is to use a Clutch-assembly which gets engaged while decelerating a vehicle, and thus converting the Kinetic Energy o		Within		
Self Stablising Mechanism: Through this self stablising mechanism, we intend to power the gyroscopic wheel in a real-time and requirement based manner. This means that the gyroscopic wheel shall be po		Within		
3	Aishbir singh	Adjunct faculty	Idea/Innovation Development	21
Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI		CIN (in case it is Startup)
Covid Kavach		Within		
Fabotics / Mobilab		Within		
CYNDI Technologies		Within		U72U72900HR2020PTC0901469
Luneblaze		Within		U80904HR2017PTC067719
4	Ms Rashmi Chawla	Assistant Professor	Idea/Innovation Development	2
Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI		CIN (in case it is Startup)
Fabotics		Outside		
Smart-TEE		Within		
Boond-The drop of life		Within		

Section 3 > iii > b : 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	Anurag Pandey	Idea/Innovation Development					Structured Mentorship
Structured Mentorship Program Name		Start Date	End Date	Total No of Days of Mentorship Program	No of Mentors Involved	Mentorship Cohort Size (No. of Mentee)	Type of Mentee
SIH Workshop		09-01-2020	11-01-2020	3	4	168	Innovation/Prototype

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										
														Agency Name	Agency Type	Award / Position / Recognition Secured							
1	Fabotics	Product Innovation	Technological	No	Student-Faculty	TRL 9 : Full commercial application, technology available for consumers.	TRL 9 : Full commercial application, technology available for consumers.	Innovation Adopted and Implemented at Ground	Agency Name	ST Microelectronics	No	No	No	No									
									Agency Type	Corporate / Industry Association					Award / Position / Recognition Secured	50000 Rs							
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:30%;">Name</th> <th style="width:20%;">Type</th> <th style="width:15%;">Gender</th> <th style="width:30%;">Email</th> <th style="width:15%;">Contact</th> </tr> </thead> <tbody> <tr> <td>Ms. Rashmi Chawla</td> <td>Faculty</td> <td>Female</td> <td>rashmichawlaymca@gmail.com</td> <td>9810368881</td> </tr> </tbody> </table>														Name	Type	Gender	Email	Contact	Ms. Rashmi Chawla	Faculty	Female	rashmichawlaymca@gmail.com	9810368881
Name	Type	Gender	Email	Contact																			
Ms. Rashmi Chawla	Faculty	Female	rashmichawlaymca@gmail.com	9810368881																			
2	Smart-TEE	Product Innovation	Technological	No	Student-Faculty	TRL 9 : Full commercial application, technology available for consumers.	TRL 9 : Full commercial application, technology available for consumers.	Innovation Adopted and Implemented at Ground	Agency Name	Manav Rachna University	No	No	No	No									
									Agency Type	Educational Institute					Award / Position / Recognition Secured	250000 Rs(Seed Money)							

Name		Type		Gender		Email		Contact					
Ms. Rashmi Chawla		Faculty		Female		rashmichawlaymca@gmail.com		9810368881					
3	Boond-The drop of life	Product Innovation	Technological	No	Faculty	TRL 9 : Full commercial application, technology available for consumers.	TRL 9 : Full commercial application, technology available for consumers.	Innovation Adopted and Implemented at Ground	Agency Name Rotary Blood Bank	No	No	No	No
									Agency Type Not-Govt. Agencies				
									Award / Position / Recognition Secured 350000 Rs(Data Analysis Lab Set Up in University)				
Name		Type		Gender		Email		Contact					
Ms. Rashmi Chawla		Faculty		Female		rashmichawlaymca@gmail.com		9810368881					
Name		Type		Gender		Email		Contact					
Mr. Shailender		Faculty		Male		shailender81@gmail.com		7011301240					
4	Design & Fabrication of a Two Seat Solar Car	Product Innovation	Technological	No	Student-Faculty	TRL 6 : Prototype system tested in intended environment close to expected performance.	TRL 6 : Prototype system tested in intended environment close to expected performance.	Innovation Development Ongoing	No	No	Grant Amount in Rs 707000	No	No
Name		Type		Gender		Email		Contact					
Dr Krishan Kumar		Faculty		Male		dr.krishanverma.me@gmail.com		9896596710					

Name		Type							Gender		Email		Contact	
Dr. O. P. Mishra		Faculty							Male		opmishra.m@rediffmail.com		9818602901	
5	Pond Restoration	Product Innovation	Technological	No	Student-Faculty	TRL 9 : Full commercial application, technology available for consumers.	TRL 9 : Full commercial application, technology available for consumers.	Innovation Adopted and Implemented at Ground	Agency Name	University	No	No	No	No
									Agency Type	Educational Institute				
									Award / Position / Recognition Secured	No				
Name		Type							Gender		Email		Contact	
Prof M.L Aggarwal		Faculty							Male		aggarwalml@rediffmail.com		9810971654	
6	Eching and MARKing device considering Dry film thickness using laser	Product Innovation	Technological	JCBTIC	Student	TRL 0 : Idea. Unproven concept, no testing has been performed.	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	Innovation Development Ongoing	No	No	Grant Amount in Rs	120000	No	No
Name		Type							Gender		Email		Contact	
Ajay		Student							Male		ajayjhajjar007@gmail.com		7056469215	

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

No Data Filled!

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	Urban rain water harvesting and its monitoring	202011014493	National	2020 - 01	Uploaded
2	Stiffness measurement of walnut, method and its used	201911015672	National	2019 - 04	Uploaded
3	Multifaceted Illumination Device	201911028646	National	2019 - 10	Uploaded
4	Systems and Methods for Content Tagging	201911037509	National	2019 - 09	Uploaded
5	Automatic Sanitization Device	202011014147	National	2020 - 03	Uploaded
6	Real time decision making using machine learning for etching/marketing process of laser machine.	201911052469	National	2019 - 12	Uploaded
7	SYSTEMS AND METHODS FOR WELL-BEING OF HOMOSAPIENS	202011012271	National	2020 - 03	Uploaded

Section 8 > v : List the IPs hold by the Innovation teams/Startups Incubated at the Pre-incubation/incubation Unit of the HEI**No Data Filled!****Section 8 > vi : 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. Dinesh Kumar (Head of Institute) and Mr. Lakhwinder Singh (Nodal Officer) jointly declaring on behalf of our institute is that all the information submitted are true and correct to best of our knowledge.

Thank you

The Head of Institute

Specimen Signature


Prof. Dinesh Kumar
Head of the Institution,
Faridabad, Haryana

Nodal officer

Specimen Signature


Mr. Lakhwinder Singh
Nodal Officer,
Faridabad, Haryana