



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: HINDUSTHAN INSTITUTE OF TECHNOLOGY [ARI-C-37046]

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	Hindusthan Institute of Technology	Academic Department with lab facility	Engineering	UG / PG / PhD	Both	1583	169	60

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 : IC201811572
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

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?		
1	Entrepreneurship Awareness Camp	Entrepreneurship/Startup	Awareness	Institute Lead Activity	Aeronautical Engineering	09-01-2020 00:00:00	11-01-2020 00:00:00	3	Within Campus	98	7	0	0	105	<table border="1"> <tr> <td>Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)</td> <td>15000</td> </tr> </table>	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	15000	No
Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	15000																	

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2	Workshop on "Methodology involved in conceptual design of Aircraft"	Innovation	Workshop	Institute Lead Activity	Aeronautical Engineering	14-11-2019 00:00:00	14-11-2019 00:00:00	1	Within Campus	98	7	0	0	105	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	10441	Award / Position / Recognition Secured	Recognition
																	Title of Innovation / Start-up Secured the Award / Recognition	Letter of Appreciation
																	Award/Recognition/Achievement Received for	Novel Research Paper/Work
3	National Seminar on "Emerging Technologies in Drones"	Innovation	Seminar	Institute Lead Activity	Aeronautical Engineering	31-01-2020 00:00:00	31-01-2020 00:00:00	1	Within Campus	98	7	0	0	105	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	15223	No	
4	"National Seminar on "Computational and Non-computational Tools involved in Aircraft Engine and Structural Health Monitoring System" "	Innovation	Seminar	Institute Lead Activity	Institution of Engineers (India) in association with Aeronautical Department	05-02-2020 00:00:00	06-02-2020 00:00:00	2	Within Campus	98	7	30	0	135	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	30392	No	
5	National Symposium on Industrial applications of Drones and UAV	Innovation	Skill development	Institute Lead Activity	Aeronautical Engineering	11-03-2020 00:00:00	11-03-2020 00:00:00	1	Within Campus	97	7	48	0	152	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	34695	Award / Position / Recognition Secured	Position
																	Title of Innovation / Start-up Secured the Award / Recognition	First, Second and Third positions
																	Award/Recognition/Achievement Received for	Idea/Innovation/Prototype
6	Webinar on Unmanned Aerial Vehicles and systems	Innovation	Training	Institute Lead Activity	Jet Aerospace Aviation Research Centre	13-03-2020 00:00:00	16-03-2020 00:00:00	4	Within Campus	98	7	0	0	105	No		No	

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7	One day workshop on Application of NDT in Automotive Industry	Innovation	Awareness	Institute Lead Activity	Automobile Engineering	09-09-2019 00:00:00	09-09-2019 00:00:00	1	Within Campus	90	10	0	0	100	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	5000	No
8	One day workshop on Industrial Automation in Robotics	Innovation	Workshop	Institute Lead Activity	Automobile Engineering	22-08-2019 00:00:00	22-08-2019 00:00:00	1	Within Campus	84	8	0	0	92	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	6000	No
9	4th National level technical symposium	Innovation	Motivational speak	Institute Lead Activity	Automobile Engineering	05-03-2020 00:00:00	05-03-2020 00:00:00	1	Within Campus	90	10	52	4	156	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	25000	No
10	One day workshop on Engine dismantling and Assembling	Innovation	Training	Institute Lead Activity	Automobile Engineering	07-02-2020 00:00:00	07-02-2020 00:00:00	1	Within Campus	0	10	250	8	268	No	No	
11	"Financial Assistance and Facilities for Entrepreneurs"	Entrepreneurship/Startup	Training	Institute Lead Activity	Department of Management Studies	03-05-2019 00:00:00	03-05-2019 00:00:00	1	Within Campus	50	2	0	0	52	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	5000	No
12	"Opportunities for Entrepreneurship"	Entrepreneurship/Startup	Training	Institute Lead Activity	Department of Management Studies	09-10-2019 00:00:00	09-10-2019 00:00:00	1	Within Campus	50	2	0	0	52	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	6000	No
13	"Entrepreneur Vs Intreprenur"	Entrepreneurship/Startup	Training	Institute Lead Activity	Department of Management Studies	05-10-2019 00:00:00	05-10-2019 00:00:00	1	Within Campus	50	2	0	0	52	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	5500	No

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14	"Growth of Entrepreneurship"	Entrepreneurship/Start-up	Training	Institute Lead Activity	Department of Management Studies	02-07-2019 00:00:00	02-07-2019 00:00:00	1	Within Campus	50	2	0	0	52	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	4000	No
15	Computational Mathematics and Statistics for Artificial Intelligence and Data Science	Innovation	Seminar	Institute Lead Activity	Science and Humanities	25-01-2020 00:00:00	25-01-2020 00:00:00	1	Within Campus	50	15	40	15	120	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	15000	No
16	"Flexible Energy Storage Devices Using Nanomaterials"	Innovation	Conference	Institute Lead Activity	Science and Humanities	12-02-2020 00:00:00	13-02-2020 00:00:00	2	Within Campus	3	0	40	11	54	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	30000	No
17	"Hands on Training in MATLAB – a Numerical Computing Software"	Innovation	Workshop	Institute Lead Activity	Science and Humanities	13-03-2020 00:00:00	13-03-2020 00:00:00	1	Within Campus	0	0	30	10	40	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	10000	No
18	FDP on "Data science and Big data Analytics"	Innovation	Skill development	Institute Lead Activity	Computer Science and Engineering	11-06-2019 00:00:00	14-06-2019 00:00:00	4	Within Campus	0	5	0	25	30	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	10045	No
19	5G Simulators and Implementation of Testbeds	Innovation	Seminar	Institute Lead Activity	Computer Science and Engineering	17-07-2019 00:00:00	17-07-2019 00:00:00	1	Within Campus	75	10	125	0	210	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	75081	No

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20	Skill Training in Technology and Soft Skills in association with ICT Academy and CSS Corp	Entrepreneurship/Startup	Skill development	Institute Lead Activity	Computer Science and Engineering	24-07-2019 00:00:00	14-08-2019 00:00:00	22	Within Campus	60	0	0	0	60	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	10000	No
21	Challenges and Opportunities in integrating Blockchain Technology with IoT	Innovation	Workshop	Institute Lead Activity	Computer Science and Engineering	25-07-2019 00:00:00	26-07-2019 00:00:00	2	Within Campus	75	10	60	0	145	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	84003	No
22	Challenges and Opportunities of Virtual Reality and Augmented Reality integrated with AI	Innovation	Workshop	Institute Lead Activity	Computer Science and Engineering	18-09-2019 00:00:00	19-09-2019 00:00:00	2	Within Campus	30	10	90	0	130	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	62002	No
23	Salesforce ADX201 - Administrator	Innovation	Workshop	Institute Lead Activity	Computer Science and Engineering	30-09-2019 00:00:00	05-10-2019 00:00:00	6	Within Campus	60	0	0	0	60	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	2000	No
24	Entrepreneurship Awareness camp	Entrepreneurship/Startup	Awareness	Institute Lead Activity	Computer Science and Engineering	19-12-2019 00:00:00	22-12-2019 00:00:00	4	Within Campus	128	0	0	0	128	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	20000	No
25	Augmented Analytics – The next generation Data Analytics Using Machine Learning	Innovation	Workshop	Institute Lead Activity	Computer Science and Engineering	07-02-2020 00:00:00	07-02-2020 00:00:00	1	Within Campus	60	10	48	0	118	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	39741	No

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26	National Level Seminar on Hydraulic Systems in Industries	Innovation	Seminar	Institute Lead Activity	Mechanical Engineering	08-01-2020 00:00:00	08-01-2020 00:00:00	1	Within Campus	50	16	7	1	74	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	13478	No						
27	National Level Technical Symposium on MECHTRIGERZ-19	Innovation	Skill development	Institute Lead Activity	Mechanical Engineering	26-09-2019 00:00:00	26-09-2019 00:00:00	1	Within Campus	320	16	27	4	367	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	24936	<table border="1"> <tbody> <tr> <td>Award / Position / Recognition Secured</td> <td>Recognition</td> </tr> <tr> <td>Title of Innovation / Start-up Secured the Award / Recognition</td> <td>Winners</td> </tr> <tr> <td>Award/Recognition/Achievement Received for</td> <td>Idea/Innovation/Prototype</td> </tr> </tbody> </table>	Award / Position / Recognition Secured	Recognition	Title of Innovation / Start-up Secured the Award / Recognition	Winners	Award/Recognition/Achievement Received for	Idea/Innovation/Prototype
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Title of Innovation / Start-up Secured the Award / Recognition	Winners																						
Award/Recognition/Achievement Received for	Idea/Innovation/Prototype																						
28	CSIR Sponsored One Day National Level Symposium on "Headways of Vacuum Science & Technology in Material Science and Instrumentation"	Innovation	Seminar	Student Lead Activity	Department of Electronics and Communication Engineering	04-07-2019 00:00:00	04-07-2019 00:00:00	1	Within Campus	200	40	200	20	460	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	20000	<table border="1"> <tbody> <tr> <td>Award / Position / Recognition Secured</td> <td>Recognition</td> </tr> <tr> <td>Title of Innovation / Start-up Secured the Award / Recognition</td> <td>Recognition</td> </tr> <tr> <td>Award/Recognition/Achievement Received for</td> <td></td> </tr> </tbody> </table>	Award / Position / Recognition Secured	Recognition	Title of Innovation / Start-up Secured the Award / Recognition	Recognition	Award/Recognition/Achievement Received for	
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Award/Recognition/Achievement Received for																							
29	CSIR Sponsored One Day National Level Seminar on "Impact of Power Electronic Converters in Distributed Generation and Micro Grid"	Innovation	Seminar	Student Lead Activity	Department of Electronics and Communication Engineering	05-07-2019 00:00:00	05-07-2019 00:00:00	1	Within Campus	150	30	150	20	350	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	50000	<table border="1"> <tbody> <tr> <td>Award / Position / Recognition Secured</td> <td>Recognition</td> </tr> <tr> <td>Title of Innovation / Start-up Secured the Award / Recognition</td> <td>Recognition</td> </tr> <tr> <td>Award/Recognition/Achievement Received for</td> <td></td> </tr> </tbody> </table>	Award / Position / Recognition Secured	Recognition	Title of Innovation / Start-up Secured the Award / Recognition	Recognition	Award/Recognition/Achievement Received for	
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30	CSIR Sponsore d One Day National Level Seminar on "Integrated Smart Energy Management System for Smart Meters, Sensors & for Business Solutions "	Innovatio n	Seminar	Student Lead Activity	Departm ent of Electroni cs and Communi cation Engineeri ng	11-07-20 19 00:00:00	11-07-20 19 00:00:00	1	Within Campus	150	25	160	15	350	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	50000	Award / Position / Recognition Secured	Recognition
31	CSIR Sponsore d One Day National Level Seminar on "Smart IoT Solutions for Preventiv e Health care in India"	Innovatio n	Seminar	Student Lead Activity	Departm ent of Electroni cs and Communi cation Engineeri ng	12-07-20 19 00:00:00	12-07-20 19 00:00:00	1	Within Campus	160	20	150	20	350	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	50000	Award / Position / Recognition Secured	Recognition
32	CSIR Sponsore d One Day National Level Seminar on "Energy Storage Systems: Roles and Impacts on Future Power Systems"	Innovatio n	Seminar	Student Lead Activity	Departm ent of Electroni cs and Communi cation Engineeri ng	19-07-20 19 00:00:00	19-07-20 19 00:00:00	1	Within Campus	150	30	150	20	350	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	50000	Award / Position / Recognition Secured	Recognition
																Title of Innovation / Start-up Secured the Award / Recognition	Recognition	
																Award/Recogn ition/Achieve ment Received for		

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33	The Institution of Engineers (India) IEL- Sponsored National level Conference on "Application of Electronics and Instrumentation in Betterment of Human Healthcare"	Innovation	Innovation Contest	Student Lead Activity	Department of Electronics and Communication Engineering	02-08-2019 00:00:00	03-08-2019 00:00:00	2	Within Campus	160	20	140	15	335	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	20000	Award / Position / Recognition Secured	Recognition
																	Title of Innovation / Start-up Secured the Award / Recognition	Recognition
																	Award/Recognition/Achievement Received for	
34	"CSIR Sponsored Two Day National Level Workshop on "Innovative Technologies for Micro-Grid and Smart-Grid Systems for Energy Conversion and Storage Applications for Future Needs" "	Innovation	Workshop	Student Lead Activity	Department of Electronics and Communication Engineering	08-08-2019 00:00:00	09-08-2019 00:00:00	2	Within Campus	25	5	35	5	70	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	50000	Award / Position / Recognition Secured	Recognition
																	Title of Innovation / Start-up Secured the Award / Recognition	Recognition
																	Award/Recognition/Achievement Received for	
35	"CSIR Sponsored One Day National Level Seminar on "Cloud based Machine Learning for IOT Applications in Health Care Systems" "	Innovation	Seminar	Student Lead Activity	Department of Electronics and Communication Engineering	16-08-2019 00:00:00	16-08-2019 00:00:00	1	Within Campus	150	20	140	25	335	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	50000	Award / Position / Recognition Secured	Recognition
																	Title of Innovation / Start-up Secured the Award / Recognition	Recognition
																	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

36	IEI Sponsored One Day Seminar on "Communication Technologies and Security Challenges for Internet of Things 2019"	Innovation	Seminar	Student Lead Activity	Department of Electronics and Communication Engineering	20-08-2019 00:00:00	20-08-2019 00:00:00	1	Within Campus	100	20	160	20	300	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	10000	Award / Position / Recognition Secured	Recognition	Title of Innovation / Start-up Secured the Award / Recognition	Recognition	Award/Recognition/Achievement Received for
37	12th National Level Technical Symposium "BARNs TROMZ 2K'19"	Innovation	Innovation Contest	Student Lead Activity	Department of Electronics and Communication Engineering	21-08-2019 00:00:00	21-08-2019 00:00:00	1	Within Campus	120	25	140	10	295	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	25000	Award / Position / Recognition Secured	Recognition	Title of Innovation / Start-up Secured the Award / Recognition	Recognition	Award/Recognition/Achievement Received for
38	Five days National Level awareness Program on "Entrepreneurship development training for Repair and Maintenance of Solar based Power supply, Inverter and UPS among Rural Women"	Entrepreneurship/Start-up	Training	Student Lead Activity	Department of Electronics and Communication Engineering	26-08-2019 00:00:00	30-08-2019 00:00:00	5	Within Campus	40	10	44	3	97	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	50000	Award / Position / Recognition Secured	Recognition	Title of Innovation / Start-up Secured the Award / Recognition	Recognition	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

39	"CSIR Sponsored One Day National Level Seminar on "Deep Learning Techniques in Health Care Applications"	Innovation	Seminar	Student Lead Activity	Department of Electronics and Communication Engineering	28-08-2019 00:00:00	28-08-2019 00:00:00	1	Within Campus	100	20	180	11	311	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	50000	Award / Position / Recognition Secured	Recognition
																Title of Innovation / Start-up Secured the Award / Recognition	Recognition	
																Award/Recognition/Achievement Received for		
40	One Day Awareness/Mentoring Session on IPR & IP Management for Innovation and Start-ups	IPR	Start-up Conclave	Student Lead Activity	Department of Electronics and Communication Engineering	24-01-2020 00:00:00	24-01-2020 00:00:00	1	Within Campus	100	22	106	7	235	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	10000	Award / Position / Recognition Secured	Recognition
																Title of Innovation / Start-up Secured the Award / Recognition	Recognition	
																Award/Recognition/Achievement Received for		
41	One Day Hands on Training on "PLC & SCADA – An Industry Perspective"	Innovation	Workshop	Student Lead Activity	Department of Electronics and Communication Engineering	21-02-2020 00:00:00	21-02-2020 00:00:00	1	Within Campus	22	12	33	5	72	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	12000	Award / Position / Recognition Secured	Recognition
																Title of Innovation / Start-up Secured the Award / Recognition	Recognition	
																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

42	State Level Project Expo	Innovation	Exhibition	Student Lead Activity	Department of Electronics and Communication Engineering	04-03-2020 00:00:00	04-03-2020 00:00:00	1	Within Campus	50	20	124	7	201	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) 25000		Award / Position / Recognition Secured Award	
															Title of Innovation / Start-up Secured the Award / Recognition		Recognition	
															Award/Recognition/Achievement Received for			
43	A National level Technical Workshop "Grid and Cloud Computing"	Innovation	Workshop	Institute Lead Activity	Department of Information Technology	17-09-2019 00:00:00	17-09-2019 00:00:00	1	Within Campus	50	10	90	10	160	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) 10000		No	
44	A National level Technical Workshop "Deep Learning"	Innovation	Workshop	Institute Lead Activity	Department of Information Technology	20-09-2019 00:00:00	20-09-2019 00:00:00	1	Within Campus	45	12	80	10	147	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) 10000		No	
45	A National level Technical Workshop "Data Science Using R Programming"	Innovation	Workshop	Institute Lead Activity	Department of Information Technology	24-09-2019 00:00:00	24-09-2019 00:00:00	1	Within Campus	60	20	80	15	175	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) 1500		No	
46	Seminar on DST-NSTEDB Sponsored ENTREPRENEURSHIP AWARENESS CAMP	Innovation	Seminar	Institute Lead Activity	Department of Information Technology	06-01-2020 00:00:00	06-01-2020 00:00:00	1	Within Campus	50	15	95	20	180	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) 25000		No	

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47	A National level Technical Workshop "CSI Sponsored Two Days National Level Technical Workshop on "CISCO Certified Cyber Security Essentials and EC Council "	Innovation	Workshop	Institute Lead Activity	Department of Information Technology	03-02-2020 00:00:00	04-02-2020 00:00:00	2	Within Campus	60	10	80	15	165	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	20000	No
48	A National level Technical Symposium #TECHMAGNETS' 20	Innovation	Innovation Contest	Institute Lead Activity	Department of Information Technology	22-02-2020 00:00:00	22-02-2020 00:00:00	1	Within Campus	50	15	80	10	155	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	25000	No
49	National Conference on Advances in Computing Technologies NCACT 2020	Innovation	Conference	Institute Lead Activity	Department of Information Technology	28-02-2020 00:00:00	28-02-2020 00:00:00	1	Within Campus	50	16	95	15	176	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	15000	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	Bharat stage VI Emissions - concepts, approach, challenges and opportunities	Innovation	Seminar	Institution of Engineers (India)	Non-Govt. Agencies	20-09-2019 00:00:00	20-09-2019 00:00:00	1	1	1	2	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

2	Numerical Investigation of Natural convection Heat transfer in Enclosures	Innovation	Seminar	Coimbatore Institute of Technology	Educational Institute	07-06-2019 00:00:00	07-06-2019 00:00:00	1	1	0	1	No	---	---	No	No						
3	Relevance of Nuclear Power and Structural Materials for Prototype Fast Breeder Reactor	Innovation	Seminar	Institution of Engineers(India)	Non-Govt. Agencies	25-09-2019 00:00:00	25-09-2019 00:00:00	1	1	0	1	No	---	---	No	No						
4	Industrial visit - CSIR Lab	Innovation	Exposure visit	National Aerospace Laboratories	Govt. Agency (Central)	13-03-2020 00:00:00	13-03-2020 00:00:00	1	34	2	36	No	---	---	No	No						
5	InTech Olympiad 2020	Innovation	Innovation Contest	College of Engineering, Pune	Educational Institute	06-03-2020 00:00:00	06-03-2020 00:00:00	1	3	1	4	Yes	Position	Third Runner-up	No	<table border="1"> <tbody> <tr> <td>Award / Position / Recognition Secured</td> <td>Position</td> </tr> <tr> <td>Title of Innovation / Start-up Secured the Award / Recognition</td> <td>Third Runner-up</td> </tr> <tr> <td>Award/Recognition/Achievement Received for</td> <td>Idea/Innovation/Prototype</td> </tr> </tbody> </table>	Award / Position / Recognition Secured	Position	Title of Innovation / Start-up Secured the Award / Recognition	Third Runner-up	Award/Recognition/Achievement Received for	Idea/Innovation/Prototype
Award / Position / Recognition Secured	Position																					
Title of Innovation / Start-up Secured the Award / Recognition	Third Runner-up																					
Award/Recognition/Achievement Received for	Idea/Innovation/Prototype																					
6	National Level Technical Symposium Henosis 2K20	Innovation	Skill development	Dr. N.G. P. Institute of Technology, Coimbatore	Educational Institute	22-02-2020 00:00:00	22-02-2020 00:00:00	1	4	1	5	Yes	1	50 K Funda	No	<table border="1"> <tbody> <tr> <td>Award / Position / Recognition Secured</td> <td>1</td> </tr> <tr> <td>Title of Innovation / Start-up Secured the Award / Recognition</td> <td>50 K Funda</td> </tr> <tr> <td>Award/Recognition/Achievement Received for</td> <td>Idea/Innovation/Prototype</td> </tr> </tbody> </table>	Award / Position / Recognition Secured	1	Title of Innovation / Start-up Secured the Award / Recognition	50 K Funda	Award/Recognition/Achievement Received for	Idea/Innovation/Prototype
Award / Position / Recognition Secured	1																					
Title of Innovation / Start-up Secured the Award / Recognition	50 K Funda																					
Award/Recognition/Achievement Received for	Idea/Innovation/Prototype																					

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

7	National Level Technical Symposium - Urjith	Innovation	Skill development	GRG School of Management Studies	Educational Institute	31-01-2020 00:00:00	31-01-2020 00:00:00	1	3	1	4	Yes	2	Business Architect	No	<table border="1"> <tr> <td>Award / Position / Recognition Secured</td> <td>2</td> </tr> <tr> <td>Title of Innovation / Start-up Secured the Award / Recognition</td> <td>Business Architect</td> </tr> <tr> <td>Award/Recognition/Achievement Received for</td> <td>Business Model/Start up</td> </tr> </table>	Award / Position / Recognition Secured	2	Title of Innovation / Start-up Secured the Award / Recognition	Business Architect	Award/Recognition/Achievement Received for	Business Model/Start up
Award / Position / Recognition Secured	2																					
Title of Innovation / Start-up Secured the Award / Recognition	Business Architect																					
Award/Recognition/Achievement Received for	Business Model/Start up																					
8	Media Max	Innovation	Innovation Contest	Sri Eshwar College of Engineering	Educational Institute	14-03-2020 00:00:00	14-03-2020 00:00:00	1	1	1	2	Yes	III	-	No	<table border="1"> <tr> <td>Award / Position / Recognition Secured</td> <td>III</td> </tr> <tr> <td>Title of Innovation / Start-up Secured the Award / Recognition</td> <td>-</td> </tr> <tr> <td>Award/Recognition/Achievement Received for</td> <td>Idea/Innovation/Prototype</td> </tr> </table>	Award / Position / Recognition Secured	III	Title of Innovation / Start-up Secured the Award / Recognition	-	Award/Recognition/Achievement Received for	Idea/Innovation/Prototype
Award / Position / Recognition Secured	III																					
Title of Innovation / Start-up Secured the Award / Recognition	-																					
Award/Recognition/Achievement Received for	Idea/Innovation/Prototype																					
9	Advances in Engineering	Innovation	Workshop	Nehru Institute of Engineering and Technology	Educational Institute	30-07-2019 00:00:00	01-08-2019 00:00:00	3	0	1	1	No	---	---	No	No						
10	International Conference in Conjunction with 15th Biennial Conference of ISIAM	Innovation	Conference	Bharathiar University	Educational Institute	05-12-2019 00:00:00	07-12-2019 00:00:00	3	0	1	1	No	---	---	No	No						
11	Become a Python Developer	Innovation	Skill development	LinkedIn Learning	Corporate / Industry Association	15-04-2019 00:00:00	15-04-2019 00:00:00	1	1	1	2	No	---	---	No	No						
12	Master the Fundamentals of AI and Machine Learning	Innovation	Skill development	LinkedIn Learning	Corporate / Industry Association	04-04-2019 00:00:00	04-04-2019 00:00:00	1	1	1	2	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

13	Embedded Systems	Innovation	Training	ASCENT Z TECHNOLOGIES	Corporate / Industry Association	04-12-2019 00:00:00	17-12-2019 00:00:00	14	1	1	2	No	---	---	No	No
14	One Day Seminar on Communication Technologies and Security Challenges for Internet of Things	Innovation	Seminar	IE(I) and Hindustan Institute of Technology	Educational Institute	20-08-2019 00:00:00	20-08-2019 00:00:00	1	2	2	4	No	---	---	No	No
15	MICFA 19	Innovation	Skill development	University College of Engineering, BIT Campus, Anna University, Trichy.	Educational Institute	26-09-2019 00:00:00	27-09-2019 00:00:00	2	5	2	7	No	---	---	No	No
16	CRYPTERA A9	Innovation	Skill development	Coimbatore Institute of Technology	Educational Institute	29-08-2019 00:00:00	29-08-2019 00:00:00	1	2	1	3	No	---	---	No	No
17	MATLAB for engineering applications	Innovation	Training	Kumaraguru College of Technology	Educational Institute	02-03-2020 00:00:00	02-03-2020 00:00:00	1	3	1	4	No	---	---	No	No
18	Image Processing and Computer Vision	Innovation	Training	IIT Madras Research Park	Educational Institute	14-03-2020 00:00:00	15-03-2020 00:00:00	2	3	0	3	No	---	---	No	No
19	Smart Phone Troubleshooting	Innovation	Training	Hindustan Institute of Technology	Educational Institute	24-02-2020 00:00:00	25-02-2020 00:00:00	2	25	2	27	No	---	---	No	No
20	Software Testing	Innovation	Training	Intent India	Corporate / Industry Association	27-07-2019 00:00:00	27-07-2019 00:00:00	1	5	1	6	No	---	---	No	No
21	Hands-on workshop on Android app development	Innovation	Workshop	Panimalar Institute of Technology	Educational Institute	07-02-2020 00:00:00	07-02-2020 00:00:00	1	1	5	6	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

22	Deep learning based neural network systems	Entrepreneurship/Startup	Workshop	GKM college of Engineering and Technology	Educational Institute	07-03-2020 00:00:00	07-03-2020 00:00:00	1	1	6	7	No	---	---	No	No
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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	Aircraft Design Project - I	Innovation	Elective/Core Credit Course	Bachelor	Aeronautical Engineering	17-06-2019	14-10-2019	120	Offline	36	60
2	Aircraft Design Project - II	Innovation	Elective/Core Credit Course	Bachelor	Aeronautical Engineering	16-12-2019	16-03-2020	92	Offline	35	60
3	Entrepreneurship Development	Entrepreneurship/Startup	Elective/Core Credit Course	Credit Course (Elective)	Department of Management Studies	03-07-2019	30-11-2019	151	Offline	25	45
4	E-Business Management	Entrepreneurship/Startup	Elective/Core Credit Course	Credit Course (Elective)	Department of Management Studies	03-07-2019	30-11-2019	151	Offline	21	45
5	Services Marketing	Innovation	Elective/Core Credit Course	Credit Course (Elective)	Department of Management Studies	03-07-2019	30-11-2019	151	Offline	22	45
6	Social Marketing	Innovation	Elective/Core Credit Course	Credit Course (Elective)	Department of Management Studies	03-07-2019	30-11-2019	151	Offline	25	45
7	Legal Aspects of Management	IPR	Elective/Core Credit Course	Credit Course (Elective)	Department of Management Studies	03-07-2019	30-11-2019	151	Offline	25	45
8	Salesforce ADX Administrator Training	Innovation	Short term Course	Short Term Certificate Course	Computer Science and Engineering	30-09-2019	05-10-2019	6	Offline	60	40
9	Skill Training in Technology and Soft Skills	Innovation	Short term Course	Short Term Certificate Course	Computer Science and Engineering	24-07-2019	14-08-2019	22	Offline	60	120
10	REDHAT certified System Administrator	Innovation	Short term Course	Short Term Certificate Course	Computer Science and Engineering	20-05-2019	29-05-2019	10	Offline	10	60
11	Software Testing	Innovation	Elective/Core Credit Course	Credit Course (Elective)	Computer Science and Engineering	16-12-2019	27-03-2020	103	Offline	82	45
12	Machine Learning Techniques	Innovation	Elective/Core Credit Course	Credit Course (Compulsory)	Computer Science and Engineering	16-12-2019	27-03-2020	103	Offline	82	45

13	Mobile Application Development Laboratory	Innovation	Elective/Core Credit Course	Credit Course (Compulsory)	Computer Science and Engineering	16-12-2019	27-03-2020	103	Offline	82	60
14	Cloud Computing Laboratory	Innovation	Elective/Core Credit Course	Credit Course (Compulsory)	Computer Science and Engineering	01-07-2019	19-10-2019	111	Offline	76	45
15	Department of Science and Technology (DST) Sponsored Entrepreneurship Awareness Camp	Entrepreneurship/Startup	Short term Course	Short Term Certificate Course	Mechanical Engineering	22-01-2020	25-01-2020	4	Offline	196	30

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	Entrepreneurship Awareness Camp	Entrepreneurship/Startup	EDP in I&E / IPR	Aeronautical Engineering	09-01-2020	12-01-2020	4	Offline	108	30
2	Skill Training in Technology and Soft Skills in association with ICT Academy and CSS Corp	Entrepreneurship/Startup	Employment Generation Training Programs	Computer Science and Engineering	24-07-2019	14-08-2019	22	Offline	60	120
3	Salesforce ADX201 - Administrator	Innovation	Employment Generation Training Programs	Computer Science and Engineering	30-09-2019	05-10-2019	6	Offline	60	40
4	Entrepreneurship Awareness camp	Entrepreneurship/Startup	EDP in I&E / IPR	Computer Science and Engineering	19-12-2019	22-12-2019	4	Offline	130	30
5	Present and futute role of renewable energy sources in sustainable rural and tribal development	IPR	Employment Generation Training Programs	Mechanical Engineering	02-03-2020	07-03-2020	6	Offline	77	30
6	Five days National Level awareness Programme on Entrepreneurship development training for Repair and Maintenance of Solar based Power supply Inverter and UPS among Rural Women	Entrepreneurship/Startup	Employment Generation Training Programs	Department of Electronics and Communication Engineering	26-08-2019	30-08-2019	5	Offline	121	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. K P Dhanabalakrishnan	Aeronautical Engineering	Professor	Yes	Yes						
	<table border="1"> <tr> <td>Highest degree name in I&E and IPR</td> <td>Hybrid composites</td> </tr> <tr> <td>Degree Type</td> <td>PhD</td> </tr> <tr> <td>Year of Highest degree in I&E and IPR</td> <td>2013</td> </tr> </table>	Highest degree name in I&E and IPR	Hybrid composites	Degree Type	PhD	Year of Highest degree in I&E and IPR	2013				
Highest degree name in I&E and IPR	Hybrid composites										
Degree Type	PhD										
Year of Highest degree in I&E and IPR	2013										
		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	

2	M Moses Devaprasanna	Aeronautical 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
	FDP on Manufacturing and Analysis of Advanced materials and Engineering structure	Innovation	FDP in I&E, IPR	MLR Institute of Technology	Educational Institute	25-05-2020 00:00:00	29-05-2020 00:00:00	5	Online
3	M S Prabhu	Aeronautical 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
4	M Harish	Aeronautical 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
5	N Maheswaran	Aeronautical 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
6	Mr. K. Mujiburrahman	Automobile 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
7	Mr. V. Ganesan	Automobile 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
8	Ms.B.Kiruba	Computer Science and 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
9	M.Viswanath	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
10	R.V.Rangarajan	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
11	R.Sundaramoorthy	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
12	J.Justin Maria Hillary	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		
13	S.Manoj kumar	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		
14	Ganeshkumar.KV	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		
15	A.Jeevarathinam	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		
16	Dr. B. PAULCHAMY	Department of Electronics and Communication Engineering		Professor and Head		Yes		Yes			
	Highest degree name in I&E and IPR	Image Processing	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
	Degree Type	PhD									
	Year of Highest degree in I&E and IPR	2015									
17	Dr.K.Mahendran	Electronics and Communication Engineering		Associate Professor		Yes		Yes			
	Highest degree name in I&E and IPR	Information and Communication	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
	Degree Type	PhD									
	Year of Highest degree in I&E and IPR	2019									
18	Dr.R.Saravanakumar	Electronics and Communication Engineering		Associate Professor		Yes		Yes			
	Highest degree name in I&E and IPR	Information and Communication	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
	Degree Type	PhD									
	Year of Highest degree in I&E and IPR	2019									
19	Mr.N.Rathan	Electronics and Communication 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		
20	Ms.K.Kalpna	Electronics and Communication 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		

21	Ms.R.Priyadharsini		Electronics and Communication 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		
22	Ms.S.Ramya		Electronics and Communication 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		
23	Ms.N.Vinodhini		Electronics and Communication 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		
24	Mr.K.R.Kannan		Electronics and Communication 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		
25	Mr.M.Vignesh		Electronics and Communication 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		
26	Ms.S.Brindha		Electronics and Communication 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		
27	Dr.S.Chinnapparaj		Electronics and Communication Engineering		Associate Professor		Yes		Yes				
	Highest degree name in I&E and IPR		Information and Communication		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
	Degree Type		PhD										
	Year of Highest degree in I&E and IPR		2019										
Mr. E.Krishna Kumar		Electronics and Communication 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			

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	Aero Modeling Club	Innovation Club	2020	Co-working Space	Centre of Excellence with Advance Tools	2	Mr. M.S.Prabhu	prabhu@hit.edu.in	9994510037

2	SAE Collegiate Club	Idea Club	2015	Co-working Space, Work Stations	Innovation Labs	1	R Lewin Vishal	vishallewin@gmail.com	733915922
3	Electronics Club	Idea Club	2015	Work Stations	Centre of Excellence with Advance Tools	2	Sanjay M	sanjaymohankumar1512999@gmail.com	6380326697

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	Volvo Eicher Training Centre	Design Centre	2019	Work Stations	IPR Cell/Technology Transfer Centre	IPR Cell/Technology Transfer Centre	Facility Incharge Name	24	No	No	Yes	
							Facility Incharge Email					praveen.ts@hit.edu.in
							Facility Incharge Phone					9360192324
							Source of Grant / Fund					Agency Name
Institute's Own Fund / Resource		Hindusthan Institute of Technology		Educational Institute		5000000						
Institute's Own Fund / Resource		Volvo Eicher		Not-Govt. Agencies		25000000						
2	AUTOMOTIVE FABRICATION LAB	Tinkering Lab	2016	3D Printing & Prototype Equipment	Innovation Labs, Student Clubs	Innovation Labs, Student Clubs	Facility Incharge Name	2	No	No	No	
							Facility Incharge Email					rajabalan@hit.edu.in
							Facility Incharge Phone					9443924797
							Source of Grant / Fund					Agency Name
Institute's Own Fund / Resource		Hindusthan Institute of Technology		Educational Institute		5000000						
Institute's Own Fund / Resource		Volvo Eicher		Not-Govt. Agencies		25000000						

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	Centre of Excellence for Drone Technology and Space Research	2020	Innovation Park/Research Park, Student Clubs	Jet Aerospace Aviation Research Center	<table border="1"> <tr> <td>Facility Incharge Name</td> <td>M S Prabhu</td> </tr> <tr> <td>Facility Incharge Email</td> <td>prabhu@hit.edu.in</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>99945 10037</td> </tr> </table>	Facility Incharge Name	M S Prabhu	Facility Incharge Email	prabhu@hit.edu.in	Facility Incharge Phone	99945 10037	1	No	No	Yes
Facility Incharge Name	M S Prabhu														
Facility Incharge Email	prabhu@hit.edu.in														
Facility Incharge Phone	99945 10037														
Source of Grant / Fund		Agency Name			Agency Type		Total Grants / Funds Received by CoE Facility exists in Campus (In Rupees)								
2	Supersonic Wind Tunnel	2019	Innovation Park/Research Park	AICTE	<table border="1"> <tr> <td>Facility Incharge Name</td> <td>Dr.K P Dhana balakri shnan</td> </tr> <tr> <td>Facility Incharge Email</td> <td>harish@hit.edu.in</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>97501 08880</td> </tr> </table>	Facility Incharge Name	Dr.K P Dhana balakri shnan	Facility Incharge Email	harish@hit.edu.in	Facility Incharge Phone	97501 08880	2	No	No	Yes
Facility Incharge Name	Dr.K P Dhana balakri shnan														
Facility Incharge Email	harish@hit.edu.in														
Facility Incharge Phone	97501 08880														
Source of Grant / Fund		Agency Name			Agency Type		Total Grants / Funds Received by CoE Facility exists in Campus (In Rupees)								
Funding Agency		AICTE			Govt. Agency (Central)		1100000								
3	Flight Simulator	2020	Innovation Park/Research Park	AICTE	<table border="1"> <tr> <td>Facility Incharge Name</td> <td>Dr.K P Dhana balakri shnan</td> </tr> <tr> <td>Facility Incharge Email</td> <td>moses devapr asanna@hit.edu.in</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>97501 08880</td> </tr> </table>	Facility Incharge Name	Dr.K P Dhana balakri shnan	Facility Incharge Email	moses devapr asanna@hit.edu.in	Facility Incharge Phone	97501 08880	2	No	No	Yes
Facility Incharge Name	Dr.K P Dhana balakri shnan														
Facility Incharge Email	moses devapr asanna@hit.edu.in														
Facility Incharge Phone	97501 08880														
Source of Grant / Fund		Agency Name			Agency Type		Total Grants / Funds Received by CoE Facility exists in Campus (In Rupees)								
Funding Agency		AICTE			Govt. Agency (Central)		1576000								

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

4	Hindusthan Centre for Applied Rural Technology	2015	Innovation Labs, IPR Cell/Technology Transfer Centre, Student Clubs	National Data Resource Management System (NRDMS)	<table border="1"> <tr> <td>Facility Incharge Name</td> <td>Dr. S.R. Rajabalan</td> </tr> <tr> <td>Facility Incharge Email</td> <td>rajabalan@hit.edu.in</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>94439 24797</td> </tr> </table>	Facility Incharge Name	Dr. S.R. Rajabalan	Facility Incharge Email	rajabalan@hit.edu.in	Facility Incharge Phone	94439 24797	2	No	No	No
Facility Incharge Name	Dr. S.R. Rajabalan														
Facility Incharge Email	rajabalan@hit.edu.in														
Facility Incharge Phone	94439 24797														
5	Hindusthan Centre for Design and Analysis	2016	Innovation Labs, IPR Cell/Technology Transfer Centre, Student Clubs	nil	<table border="1"> <tr> <td>Facility Incharge Name</td> <td>Dr. S.R. Rajabalan</td> </tr> <tr> <td>Facility Incharge Email</td> <td>rajabalan@hit.edu.in</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>94439 24797</td> </tr> </table>	Facility Incharge Name	Dr. S.R. Rajabalan	Facility Incharge Email	rajabalan@hit.edu.in	Facility Incharge Phone	94439 24797	3	No	No	No
Facility Incharge Name	Dr. S.R. Rajabalan														
Facility Incharge Email	rajabalan@hit.edu.in														
Facility Incharge Phone	94439 24797														
6	Hindusthan Centre for Advanced Machining laboratory	2016	Innovation Labs, IPR Cell/Technology Transfer Centre, Student Clubs	nil	<table border="1"> <tr> <td>Facility Incharge Name</td> <td>Dr. S.R. Rajabalan</td> </tr> <tr> <td>Facility Incharge Email</td> <td>rajabalan@hit.edu.in</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>94439 24797</td> </tr> </table>	Facility Incharge Name	Dr. S.R. Rajabalan	Facility Incharge Email	rajabalan@hit.edu.in	Facility Incharge Phone	94439 24797	2	No	No	No
Facility Incharge Name	Dr. S.R. Rajabalan														
Facility Incharge Email	rajabalan@hit.edu.in														
Facility Incharge Phone	94439 24797														
7	PLC and SCADA lab	2016	IPR Cell/Technology Transfer Centre		<table border="1"> <tr> <td>Facility Incharge Name</td> <td>Krishna Kumar E</td> </tr> <tr> <td>Facility Incharge Email</td> <td>krishnakumar287@gmail.com</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>80720 24129</td> </tr> </table>	Facility Incharge Name	Krishna Kumar E	Facility Incharge Email	krishnakumar287@gmail.com	Facility Incharge Phone	80720 24129	2	No	No	Yes
Facility Incharge Name	Krishna Kumar E														
Facility Incharge Email	krishnakumar287@gmail.com														
Facility Incharge Phone	80720 24129														

Source of Grant / Fund	Agency Name	Agency Type	Total Grants / Funds Received by CoE Facility exists in Campus (In Rupees)
Institute's Own Fund / Resource	Hindusthan Institute of Technology	Educational Institute	700000

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

8	Texas Laboratory	2017	IPR Cell/Technology Transfer Centre		<table border="1"> <tr> <td>Facility Incharge Name</td> <td>B Hakke m</td> </tr> <tr> <td>Facility Incharge Email</td> <td>hakke m.b@hit.edu.in</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>77080 77103</td> </tr> </table>	Facility Incharge Name	B Hakke m	Facility Incharge Email	hakke m.b@hit.edu.in	Facility Incharge Phone	77080 77103	2	No	No	Yes
	Facility Incharge Name	B Hakke m													
	Facility Incharge Email	hakke m.b@hit.edu.in													
Facility Incharge Phone	77080 77103														
Source of Grant / Fund		Agency Name			Agency Type		Total Grants / Funds Received by CoE Facility exists in Campus (In Rupees)								
Institute's Own Fund / Resource		Hindusthan Institute of Technology			Educational Institute		400000								
9	Advanced VLSI Laboratory	2019	Innovation Labs	AICTE	<table border="1"> <tr> <td>Facility Incharge Name</td> <td>Ms.Kalpana</td> </tr> <tr> <td>Facility Incharge Email</td> <td>kalpana@hit.edu.in</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>99448 8413</td> </tr> </table>	Facility Incharge Name	Ms.Kalpana	Facility Incharge Email	kalpana@hit.edu.in	Facility Incharge Phone	99448 8413	2	No	No	Yes
	Facility Incharge Name	Ms.Kalpana													
	Facility Incharge Email	kalpana@hit.edu.in													
Facility Incharge Phone	99448 8413														
Source of Grant / Fund		Agency Name			Agency Type		Total Grants / Funds Received by CoE Facility exists in Campus (In Rupees)								
Funding Agency		AICTE			Govt. Agency (Central)		1100000								

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

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

1	Volvo Eicher Training Centre	2019	Innovation Labs	NO	<table border="1"> <tr> <td>Facility Incharge Name</td> <td>Dr.T.S.Praveen</td> </tr> <tr> <td>Facility Incharge Email</td> <td>praveen.ts@hit.edu.in</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>9360192324</td> </tr> </table>	Facility Incharge Name	Dr.T.S.Praveen	Facility Incharge Email	praveen.ts@hit.edu.in	Facility Incharge Phone	9360192324	24	No	No	Yes
Facility Incharge Name	Dr.T.S.Praveen														
Facility Incharge Email	praveen.ts@hit.edu.in														
Facility Incharge Phone	9360192324														
Source of Grant / Fund			Agency Name			Agency Type		Total Grants / Funds Received by Incubation Facility exists in Campus (In Rupees)							
2	Biomass Gasfication Research Station	2019	Incubation Unit	NRDMS/DST	<table border="1"> <tr> <td>Facility Incharge Name</td> <td>Dr.S.R.Rajabalan</td> </tr> <tr> <td>Facility Incharge Email</td> <td>rajabalan@hit.edu.in</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>9443924797</td> </tr> </table>	Facility Incharge Name	Dr.S.R.Rajabalan	Facility Incharge Email	rajabalan@hit.edu.in	Facility Incharge Phone	9443924797	2	Yes	No	Yes
Facility Incharge Name	Dr.S.R.Rajabalan														
Facility Incharge Email	rajabalan@hit.edu.in														
Facility Incharge Phone	9443924797														
Source of Grant / Fund			Agency Name			Agency Type		Total Grants / Funds Received by Incubation Facility exists in Campus (In Rupees)							

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	M Moses Devaprasanna	Assistant Professor	Idea/Innovation Development	15
Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI		CIN (in case it is Startup)
Design of High Altitude Long Endurance Aerial Platform		Within		
2	M S Prabhu	Assistant Professor	Idea/Innovation Development	12
Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI		CIN (in case it is Startup)
DESIGN OF FLYING CAR		Within		
3	Dr. B. PAULCHAMY	Professor and Head	Idea/Innovation Development	15
Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI		CIN (in case it is Startup)
An intelligent Helmet for miners with air quality and destructive event detection using Zigbee		Outside		
4	Dr. B. PAULCHAMY	Professor and Head	Idea/Innovation Development	15

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)
	Automatic Cameras based clothing pattern recognition for visually impaired people	Outside	
5	Dr. B. PAULCHAMY	Professor and Head	Idea/Innovation Development
	Dr. B. PAULCHAMY	Professor and Head	15
	Name of Idea/Innovation/ Startup Mentored	Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	Drunken Drive Accidents Avoiding System Using Neuronal Activity of the Brain	Outside	
6	Dr.K.Mahendran	Associate Professor	Idea/Innovation Development
	Dr.K.Mahendran	Associate Professor	10
	Name of Idea/Innovation/ Startup Mentored	Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	Low Power and Area Efficient FPGA-Based True RandomNumber Generation based on LUT Variant Ring Oscillator	Within	
7	Ms.R.Priyadharsini	Assistant Professor	Idea/Innovation Development
	Ms.R.Priyadharsini	Assistant Professor	8
	Name of Idea/Innovation/ Startup Mentored	Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	Aquanaut Health Monitoring System Using Under Water Communication	Within	
8	Mr.N.Rathan	Assistant Professor	Idea/Innovation Development
	Mr.N.Rathan	Assistant Professor	8
	Name of Idea/Innovation/ Startup Mentored	Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	Under Water Object Image Visualization Using Laser Module	Within	
9	Dr.S.Chinnapparaj	Associate Professor	Idea/Innovation Development
	Dr.S.Chinnapparaj	Associate Professor	10
	Name of Idea/Innovation/ Startup Mentored	Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	LIFI Based Advanced Accident Detection Systems	Within	
10	Mr. E.Krishna Kumar	Assistant Professor	Idea/Innovation Development
	Mr. E.Krishna Kumar	Assistant Professor	8
	Name of Idea/Innovation/ Startup Mentored	Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	Crash Detection System	Within	
11	Ms.S.Brindha	Assistant Professor	Idea/Innovation Development
	Ms.S.Brindha	Assistant Professor	10
	Name of Idea/Innovation/ Startup Mentored	Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	System based on irrigation based on LORA	Within	
12	Mr.M.Vignesh	Assistant Professor	Idea/Innovation Development
	Mr.M.Vignesh	Assistant Professor	3
	Name of Idea/Innovation/ Startup Mentored	Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	Adiabatic Approach To Design Power Efficient Self Repairing Full Adder	Within	

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

13	Ms.K.Kalpana	Associate Professor	Idea/Innovation Development	10
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	An Efficient design of multilayer Nanorouter with crossbar scheduler using QCA		Within	
14	Mr.K.R.Kannan	Assistant Professor	Idea/Innovation Development	8
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	Smart instinct Street Light Management For Energy Conservation		Within	
15	Dr.R.Saravankumar	Associate Professor	Idea/Innovation Development	10
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	RFID Based Smart Shopping		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	Jet Areospace	Idea/Innovation Development	Unstructured Mentorship
2	Pantech ProEd Pvt Ltd	Idea/Innovation Development	Unstructured Mentorship
3	Advtech	Idea/Innovation Development	Unstructured Mentorship
4	Aztech Solutions	Idea/Innovation Development	Unstructured Mentorship
5	"Global HUB CAREER ZONE CONSULTANCY PRIVATE LIMITED "	Idea/Innovation Development	Unstructured Mentorship
6	ICTACT	Idea/Innovation Development	Unstructured Mentorship
7	NASSCOM	Idea/Innovation Development	Unstructured Mentorship
8	Sansas Software Technology Private Ltd	Idea/Innovation Development	Unstructured Mentorship
9	Caliber Embedded Technologies India Pvt Ltd	Idea/Innovation Development	Unstructured Mentorship
10	Ingenious Power and Control Systems Pvt Ltd	Idea/Innovation Development	Unstructured Mentorship
11	New Technology	Idea/Innovation Development	Unstructured Mentorship
12	SSTECHNOVATION	Idea/Innovation Development	Unstructured Mentorship
13	Abinand Hospital	Entrepreneurship/Startup Development	Unstructured Mentorship
14	Red Hat India Private Limited	Idea/Innovation Development	Unstructured Mentorship
15	VLAND'S BEST HUB	Idea/Innovation Development	Unstructured Mentorship
16	TRIBHUVAN UNIVERSITY,NEPAL	Idea/Innovation Development,Entrepreneurship/Startup Development	Unstructured Mentorship

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
1	Design and numerical analysis of UAV using finite element methods	Product Innovation	Technological	Centre of Excellence for Drone Technology and Space Research	Student-Faculty	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	No	No	No
				Name		Type		Gender		Email		Contact	
				V.Paramaguru		Faculty		Male		paramaguru@hit.edu.in		8870458839	
				Name		Type		Gender		Email		Contact	
				Suthakaran.M		Student		Male		Sudhakaranspm@gmail.com		9677817584	
2	Design of flying car	Product Innovation	Technological	Centre of Excellence for Drone Technology and Space Research	Student-Faculty	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	No	No	No

Name	Type	Gender	Email	Contact
M.S.Prabhu	Faculty	Male	prabhu@hit.edu.in	9994510037

Name	Type	Gender	Email	Contact
Suthakaran.M	Student	Male	Sudhakaranspm@gmail.com	9677817584

3	Computerization of Farmers land records along with beneficiary schemes using Blockchain	Product Innovation	Technological	Department of CSE	Student-Faculty	TRL 0 : Idea. Unproven concept, no testing has been performed.	TRL 3 : Applied research. First laboratory tests completed; proof of concept.	Innovation Development Ongoing	Agency Name AICTE MHRD - Smart India Hackathon	Agency Type Govt. Agency (Central)	Award / Position / Recognition I Place Secured	No	No	No	No
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Name	Type	Gender	Email	Contact
Mr.S.M.Jeevan	Student	Male	jeevanebi@gmail.com	9345286703

4	Bulkyfoodz	Process Innovation	Technological	Department of CSE	Student-Faculty	TRL 0 : Idea. Unproven concept, no testing has been performed.	TRL 3 : Applied research. First laboratory tests completed; proof of concept.	Innovation Development Ongoing	No	No	No	No	No	No	No
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Name	Type	Gender	Email	Contact
Mr.S.M.Jeevan	Student	Male	jeevanebi@gmail.com	9345286703

5	Moon4 Fashion	Process Innovation	Technological	Department of CSE	Student-Faculty	TRL 0 : Idea. Unproven concept, no testing has been performed.	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
Mr.M.Kishore Kumar	Student	Male	0.0.0.0.krishz@gmail.com	9080543934

6	"Solar Powered Smart Irrigation System "	Product Innovation	Technological	Department of CSE	Student-Faculty	TRL 0 : Idea. Unproven concept, no testing has been performed.	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
Dr.S.Lokesh	Faculty	Male	lokesh.s@hit.edu.in	9488009978

7	Smart Trolley System	Product Innovation	Technological	Department of CSE	Student-Faculty	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	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
Dr.S.Lokesh	Faculty	Male	lokesh.s@hit.edu.in	9488009978

8	Traffic Clearance For Ambulance Using Artificial Intelligence	Product Innovation	Technological	Department of CSE	Student-Faculty	TRL 0 : Idea. Unproven concept, no testing has been performed.	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
Mr.M.Manicka Raja	Faculty	Male	manickaraja89@gmail.com	9629107556

9	Safe Guard System For Fisherman	Product Innovation	Technological	Department of CSE	Student-Faculty	TRL 0 : Idea. Unproven concept, no testing has been performed.	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
Mr.M.Manicka Raja	Faculty	Male	manickaraja89@gmail.com	9629107556

10	" Better and faster emergency care during accidents and vehicle impact "	Product Innovation	Technological	Department of CSE	Student-Faculty	TRL 0 : Idea. Unproven concept, no testing has been performed.	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
Ms.P.Jeevitha	Faculty	Female	jeevithaksr@gmail.com	9688398179

11	Enhancing Security for Healthcare Data Using Blockchain	Product Innovation	Technological	Department of CSE	Student-Faculty	TRL 0 : Idea. Unproven concept, no testing has been performed.	TRL 3 : Applied research. First laboratory tests completed; proof of concept.	Innovation Development Ongoing	No	No	No	No	No
Name		Type		Gender		Email		Contact					
Ms.P.Jeevitha		Faculty		Female		jeevithaksr@gmail.com		9688398179					

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	Jet Aerospace and Aviation Research Centre	Corporate / Industry Association	Providing (or) Receiving Mentor and Handholding Support to Support I&E Activities	Mentoring	1	31-01-2020
2	Taneja Aerospace and Aviation Limited	Corporate / Industry Association	Providing (or) Receiving Mentor and Handholding Support to Support I&E Activities	Mentoring	1	26-04-2019
3	Aviation Technology	Corporate / Industry Association	Providing (or) Receiving Mentor and Handholding Support to Support I&E Activities	Mentoring	1	14-09-2019
4	Mangla Smart Energy Solutions	Corporate / Industry Association	Collaboration with Startups/Industry Associations/Knowledge Agencies to Promote I&E Activities and/or Internship Opportunities	Mentoring	28	24-09-2019
5	Roots Industry	Corporate / Industry Association	Collaboration with Startups/Industry Associations/Knowledge Agencies to Promote I&E Activities and/or Internship Opportunities	Mentoring	32	23-07-2019
6	Ambal Training Institute	Non-Govt. Agencies	Collaboration with Startups/Industry Associations/Knowledge Agencies to Promote I&E Activities and/or Internship Opportunities	Mentoring	68	25-10-2019
7	POPULAR SYSTEMS	Non-Govt. Agencies	Providing (or) Receiving Mentor and Handholding Support to Support I&E Activities	Mentoring	4	20-12-2019
8	Imarticus Learning Private Limited	Corporate / Industry Association	Collaboration with Startups/Industry Associations/Knowledge Agencies to Promote I&E Activities and/or Internship Opportunities	Mentoring	2	08-07-2019
9	M/s.SWIFTERZ CREATIVE SERVICES	Non-Govt. Agencies	Collaboration with Startups/Industry Associations/Knowledge Agencies to Promote I&E Activities and/or Internship Opportunities	Mentoring	1	22-03-2019
10	M/s.RENEWTECH ENERGIES	Non-Govt. Agencies	Collaboration with Startups/Industry Associations/Knowledge Agencies to Promote I&E Activities and/or Internship Opportunities	Mentoring	1	17-09-2019
11	M/s YES YES TECHNOLOGIES	Non-Govt. Agencies	Collaboration with Startups/Industry Associations/Knowledge Agencies to Promote I&E Activities and/or Internship Opportunities	Mentoring	1	26-09-2019

12	M/s ROOTS INDUSTRIES INDIA LIMITED	Non-Govt. Agencies	Collaboration with Startups/Industry Associations/Knowledge Agencies to Promote I&E Activities and/or Internship Opportunities	Mentoring	5	23-07-2019
13	Caliber Embedded Technologies India Pvt Ltd	Corporate / Industry Association	Collaboration with Startups/Industry Associations/Knowledge Agencies to Promote I&E Activities and/or Internship Opportunities	Mentoring,Networking	10	02-08-2019
14	Ingenious Power and Control Systems Pvt Ltd	Corporate / Industry Association	Collaboration with Startups/Industry Associations/Knowledge Agencies to Promote I&E Activities and/or Internship Opportunities	Mentoring,Networking	20	02-08-2019
15	New Technology	Corporate / Industry Association	Providing (or) Receiving Mentor and Handholding Support to Support I&E Activities	Mentoring,Networking	40	02-08-2019
16	SSTECHNOVATION	Corporate / Industry Association	Providing (or) Receiving Mentor and Handholding Support to Support I&E Activities	Mentoring,Networking	40	05-08-2019
17	Abinand Hospital	Non-Govt. Agencies	Providing (or) Receiving Incubation/Pre-Incubation Support Services to Innovators/Startups	Mentoring	50	02-08-2019
18	VLAND'S BEST HUB	Corporate / Industry Association	Collaboration with Startups/Industry Associations/Knowledge Agencies to Promote I&E Activities and/or Internship Opportunities	Mentoring,Networking	30	13-08-2019
19	TRIBHUVAN UNIVERSITY,NEPAL	Educational Institute	Providing (or) Receiving Incubation/Pre-Incubation Support Services to Innovators/Startups	Pre-incubation,Mentoring,Networking	1	12-12-2019

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	Stand for bicycle	322831-001	National	2019 - 11	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

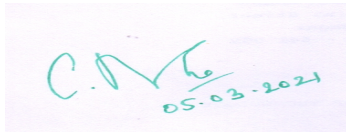
Joint Declaration by the Head of the Institute and Nodal Officer

Dear Sir,

Herewith, myself Dr. C. Natarajan (Head of Institute) and Dr. V.Sureshbabu (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



Dr. C. Natarajan
Head of the Institution,
COIMBATORE, Tamil Nadu

Nodal officer



Dr. V.Sureshbabu
Nodal Officer,
COIMBATORE, Tamil Nadu