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

Institute Name: Toc-H Institute of Science and Technology, Arakunnam [ARI-C-9460]

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

Srno	Department / Center / Unit Name	Type of Department / Center / Unit	Mention the Stream / Discipline / Sector of focus	Department / Center / Unit Level	Program Type	Student / Benificiary Strength (2019-20)	Academic Staff Strength (2019-20)	Non-academic Staff Strength (2019-20)
1	Department of Information Technology	Academic Department with lab facility	Information Technology	UG / PG / PhD	Technical	73	8	2
2	Department of Mechanical Engineering	Academic Department with lab facility	Mechanical Engineering	UG / PG / PhD	Technical	315	19	9
3	Department of Safety and Fire Engineering	Academic Department with lab facility	Safety and Fire Engineering	UG / PG / PhD	Technical	183	10	2
4	Department of Electrical and Electronics Engineering	Academic Department with lab facility	Electrical and Electronics Engineering	UG / PG / PhD	Technical	106	12	4
5	Department of Computer Science and Engineering	Academic Department with lab facility	Computer Science and Engineering	UG / PG / PhD	Technical	246	13	6
6	Department of Civil Engineering	Academic Department with lab facility	Civil Engineering	UG / PG / PhD	Technical	229	15	6
7	Department of Electronics	Academic Department with lab facility	Electronics and Communication, Robotics and Automation	UG / PG / PhD	Technical	209	24	3
8	Innovation and Entrepreneurship Development Centre (IEDC)	Pre-incubation unit	Innovation and Entrepreneurship Development	UG / PG / PhD	Both	1361	8	1
9	Centre of Excellence for Green Building Materials (Civil Engineering)	Centre of Excellence with Advance Tools & Equipment	Green Building Materials	UG / PG / PhD	Technical	20	10	1
10	Daikin Centre of Excellence (Mechanical Engineering)	Centre of Excellence with Advance Tools & Equipment	Refrigeration and Airconditioning	UG / PG / PhD	Technical	127	4	1
11	Larsen and Toubro Switchgears Centre of Excellence (Electrical and Electronics Engineering)	Centre of Excellence with Advance Tools & Equipment	Switchgears	UG / PG / PhD	Technical	49	3	1
12	Department of Management Studies	Academic Department with lab facility	Management Studies	UG / PG / PhD	Non-Technical	119	7	1

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13	Machine Learning Lab	Centre of Excellence with Advance Tools & Equipment	Computer Science and Engineering	UG / PG / PhD	Technical	23	4	3
14	Telepresence Lab	Centre of Excellence with Advance Tools & Equipment	Industry-Academia Linkage	UG / PG / PhD	Technical	120	3	2

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 : IC202014825
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?
1	Machine learning using PYTHON	Innovation	Workshop	Institute Lead Activity	IEDC and Department of Electronics	21-05-2019 00:00:00	22-05-2019 00:00:00	2	Within Campus	0	20	0	1	21	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) 8000	No
2	R-Programming	Innovation	Workshop	Institute Lead Activity	IEDC and Department of Information Technology	13-05-2019 00:00:00	13-05-2019 00:00:00	1	Within Campus	50	0	0	0	50	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) 3500	No
3	Introduction to web technologies by Prayana	Innovation	Workshop	Institute Lead Activity	IEDC and Department of Computer Science and Engineering	29-05-2019 00:00:00	29-05-2019 00:00:00	1	Within Campus	60	2	0	0	62	No	No

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4	Session on Artificial Intelligence , Cogniz English Academy	Innovation	Seminar	Institute Lead Activity	Department of Computer Science and Engineering	02-08-2019 00:00:00	02-08-2019 00:00:00	1	Within Campus	79	4	0	0	83	No	No
5	Orientation program by Delegates from Indocosmo Systems Pvt. Ltd., Japan	Innovation	Orientation Session	Institute Lead Activity	Department of Computer Science and Engineering	17-07-2019 00:00:00	17-07-2019 00:00:00	1	Within Campus	47	3	0	0	50	No	No
6	Industrial Internship Training on "FOSS and Enterprise Solutions"	Innovation	Training	Institute Lead Activity	Department of Computer Science and Engineering	08-07-2019 00:00:00	18-07-2019 00:00:00	11	Within Campus	38	2	0	0	40	No	No
7	Design Project Orientation workshop	Innovation	Workshop	Institute Lead Activity	Department of Computer Science and Engineering	03-08-2019 00:00:00	03-08-2019 00:00:00	1	Within Campus	54	2	0	0	56	No	No
8	Session on Cyber security-Curtain Raiser Programme of conference COCON 2019	Innovation	Seminar	Institute Lead Activity	Department of Computer Science and Engineering	29-08-2019 00:00:00	29-08-2019 00:00:00	1	Within Campus	48	4	0	0	52	No	No
9	Orientation on ASAP courses-Google ACE,Robotic Process Automation	Innovation	Orientation Session	Institute Lead Activity	Department of Computer Science and Engineering	21-08-2019 00:00:00	21-08-2019 00:00:00	1	Within Campus	114	2	0	0	116	No	No
10	Technical Session on Cyber Security and Cyber Forensics certifications	Innovation	Workshop	Institute Lead Activity	Department of Computer Science and Engineering	22-08-2019 00:00:00	22-08-2019 00:00:00	1	Within Campus	109	2	0	0	111	No	No

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11	Webinar on 'Overview on 3D Visualization and Animation' by Dr. Sameer Sahasrabudhe (IIT Bombay)	Innovation	Seminar	Institute Lead Activity	Department of Computer Science and Engineering	16-09-2019 00:00:00	16-09-2019 00:00:00	1	Within Campus	35	2	0	0	37	No	No
12	Technical Session on Android Fundamentals by Mr. Jinu John, Immneos Technologies, Technolodge, Kakkoor	Innovation	Workshop	Institute Lead Activity	Department of Computer Science and Engineering	27-09-2019 00:00:00	27-09-2019 00:00:00	1	Within Campus	63	3	0	0	66	No	No
13	"Orientation on IBM courses - ASAP by Mr. Dinesh Baliga, IBM "	Innovation	Awareness	Institute Lead Activity	Department of Computer Science and Engineering	30-09-2019 00:00:00	30-09-2019 00:00:00	1	Within Campus	169	2	0	0	171	No	No
14	Technical Session on Android Fundamentals by Mr. Jinu John, Immneos Technologies, Technolodge, Kakkoor	Innovation	Workshop	Institute Lead Activity	Department of Computer Science and Engineering	04-10-2019 00:00:00	04-10-2019 00:00:00	1	Within Campus	53	3	0	0	56	No	No
15	Technical session on Django by Mr.Sarath S, Kites Software	Innovation	Workshop	Institute Lead Activity	Department of Computer Science and Engineering	11-10-2019 00:00:00	11-10-2019 00:00:00	1	Within Campus	44	1	0	0	45	No	No

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16	Workshop on "Women Rise Together" WING by Mr. Shameem and Ms. Varsha from Kerala Start up Mission	Innovation	Workshop	Institute Lead Activity	Department of Computer Science and Engineering	24-10-2019 00:00:00	24-10-2019 00:00:00	1	Within Campus	57	2	0	0	59	No	No
17	Workshop on Blockchain,the disruptive technology by Sabir Aboobaker Nikhil V Chandran (KBA)	Innovation	Workshop	Institute Lead Activity	Department of Computer Science and Engineering	25-10-2019 00:00:00	25-10-2019 00:00:00	1	Within Campus	60	2	0	0	62	No	No
18	Workshop on Entrepreneurship and Business model, E-Cell IIT Bombay by Mr. Babu Mohanan ,Former Scientist ISRO	Innovation	Workshop	Institute Lead Activity	Department of Computer Science and Engineering	25-10-2019 00:00:00	25-10-2019 00:00:00	1	Within Campus	76	2	8	0	86	No	No
19	Orientation on Reboot Hackathon and TCS Certification program, by Amith Narayanan, ASAP	Innovation	Orientation Session	Institute Lead Activity	Department of Computer Science and Engineering	13-11-2019 00:00:00	13-11-2019 00:00:00	1	Within Campus	35	2	0	0	37	No	No
20	IOT Workshop by Tinkerhub	Innovation	Workshop	Institute Lead Activity	Department of Computer Science and Engineering	09-01-2020 00:00:00	10-01-2020 00:00:00	2	Within Campus	21	2	0	0	23	No	No

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21	Motivatio nal talk 'Do Differentl y' by Jibin Jose, CEO and co founder, FLIP, Rethink	Innovatio n	Motivatio nal speak	Institute Lead Activity	Departm ent of Compute r Science and Engineeri ng	24-01-20 20 00:00:00	24-01-20 20 00:00:00	1	Within Campus	33	1	0	0	34	No	No
22	Think Py workshop on Python and Coding challenge (Tinker Hub, TIST)	Innovatio n	Worksho p	Institute Lead Activity	Departm ent of Compute r Science and Engineeri ng	24-01-20 20 00:00:00	25-01-20 20 00:00:00	2	Within Campus	15	15	0	0	30	No	No
23	CSI National Level Technical Fest - TECHFO SS 2020: Worksho p on Python by Mr. Siddarth Prajosh, Belong.c o, Bangalor e	Innovatio n	Worksho p	Institute Lead Activity	Departm ent of Compute r Science and Engineeri ng	31-01-20 20 00:00:00	01-02-20 20 00:00:00	2	Within Campus	30	1	0	0	31	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) 6000	No
24	Expert Session on BlockCha in Technolo gies by Mr.Girish Babu, Expertz Lab	Innovatio n	Seminar	Institute Lead Activity	Departm ent of Compute r Science and Engineeri ng	04-02-20 20 00:00:00	04-02-20 20 00:00:00	1	Within Campus	40	1	0	0	41	No	No

25	Workshop for women entrepreneurs by WING – Women Rise Together, an initiative by the DPIIT and Startup India, is a capacity development program for women	Innovation	Workshop	Institute Lead Activity	Department of Computer Science and Engineering	06-02-2020 00:00:00	07-02-2020 00:00:00	2	Within Campus	46	2	0	0	48	No	No
26	Career Readiness Program "Google Cloud Workshop" by Delegates from Google	Innovation	Workshop	Institute Lead Activity	Department of Computer Science and Engineering	12-02-2020 00:00:00	12-02-2020 00:00:00	1	Within Campus	33	1	0	0	34	No	No
27	National Level Tech Fest, VIDHYUTH 2020	Innovation	Exhibition	Institute Lead Activity	Department of Electrical and Electronics Engineering	31-01-2020 00:00:00	01-02-2020 00:00:00	2	Within Campus	100	18	0	0	118	No	No
28	Workshop on Hybrid Electric Vehicle	Innovation	Awareness	Institute Lead Activity	Department of Electrical and Electronics Engineering	31-01-2020 00:00:00	31-01-2020 00:00:00	1	Within Campus	59	0	0	0	59	No	No
29	Talk on software used by Mechanical engineers	Entrepreneurship/ Startup	Seminar	Institute Lead Activity	Department of Mechanical Engineering	04-02-2020 00:00:00	04-02-2020 00:00:00	1	Within Campus	31	10	0	0	41	No	No
30	Workshop on NDT	Entrepreneurship/ Startup	Demo Day	Institute Lead Activity	Department of Mechanical Engineering	30-10-2019 00:00:00	30-10-2019 00:00:00	1	Within Campus	48	5	0	0	53	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) 47950	No

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31	Technical talk on automotive service sectors	Entrepreneurship/Startup	Seminar	Institute Lead Activity	Department of Mechanical Engineering	29-10-2019 00:00:00	29-10-2019 00:00:00	1	Within Campus	63	5	0	0	68	No	No
32	Desktop CNC Milling (FABFest)	Entrepreneurship/Startup	Demo Day	Institute Lead Activity	Department of Mechanical Engineering	15-11-2019 00:00:00	15-11-2019 00:00:00	1	Within Campus	154	4	0	0	158	No	No
33	FDP on Bio Engineering	Entrepreneurship/Startup	Seminar	Institute Lead Activity	Department of Mechanical Engineering	06-01-2020 00:00:00	09-01-2020 00:00:00	4	Within Campus	0	26	0	23	49	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) 132832	No
34	Python programming and image processing using Open CV Python	Innovation	Workshop	Institute Lead Activity	Department of Electronics	02-08-2019 00:00:00	02-08-2019 00:00:00	1	Within Campus	20	3	0	0	23	No	No
35	Recent Developments in Embedded Systems	Innovation	Seminar	Institute Lead Activity	Department of Electronics	03-08-2019 00:00:00	03-08-2019 00:00:00	1	Within Campus	30	0	0	0	30	No	No
36	Mobile Robotics	Innovation	Workshop	Institute Lead Activity	Department of Electronics	07-08-2019 00:00:00	07-08-2019 00:00:00	1	Within Campus	20	0	0	0	20	No	No
37	Python programming and image processing using Open CV Python	Innovation	Workshop	Institute Lead Activity	Department of Electronics	21-08-2019 00:00:00	21-08-2019 00:00:00	1	Within Campus	20	3	0	0	23	No	No
38	Orientation on ASAP Courses - Google ACE - RPA	Innovation	Orientation Session	Institute Lead Activity	Department of Electronics	21-08-2019 00:00:00	21-08-2019 00:00:00	1	Within Campus	20	0	0	0	20	No	No
39	Infosys Specific Training Programme	Innovation	Seminar	Institute Lead Activity	Department of Electronics	28-08-2019 00:00:00	28-08-2019 00:00:00	1	Within Campus	30	0	0	0	30	No	No
40	Mobile Robotics	Innovation	Workshop	Institute Lead Activity	Department of Electronics	30-08-2019 00:00:00	30-08-2019 00:00:00	1	Within Campus	20	0	0	0	20	No	No

41	Infosys Specific Training Programme	Innovation	Seminar	Institute Lead Activity	Department of Electronics	03-10-2019 00:00:00	03-10-2019 00:00:00	1	Within Campus	30	0	0	0	30	No	No
42	Recent Developments in Embedded Systems	Innovation	Seminar	Institute Lead Activity	Department of Electronics	05-10-2019 00:00:00	05-10-2019 00:00:00	1	Within Campus	30	0	0	0	30	No	No
43	Arduino Microcontroller Board and applications	Innovation	Workshop	Institute Lead Activity	Department of Electronics	11-10-2019 00:00:00	11-10-2019 00:00:00	1	Within Campus	20	3	0	0	23	No	No
44	Research Methodology	Innovation	Seminar	Institute Lead Activity	Department of Electronics	07-11-2019 00:00:00	07-11-2019 00:00:00	1	Within Campus	5	0	0	0	5	No	No
45	Arduino Microcontroller Board and applications	Innovation	Workshop	Institute Lead Activity	Department of Electronics	18-11-2019 00:00:00	18-11-2019 00:00:00	1	Within Campus	20	3	0	0	23	No	No
46	LATEX	Innovation	Workshop	Institute Lead Activity	Department of Electronics	18-11-2019 00:00:00	18-11-2019 00:00:00	1	Within Campus	7	0	0	0	7	No	No
47	Industry Internship Program on Electronics Design and Technology	Innovation	Workshop	Institute Lead Activity	Department of Electronics	06-01-2020 00:00:00	06-01-2020 00:00:00	1	Within Campus	45	0	0	0	45	No	No
48	Technical Symposium "Technophilia 20"	Innovation	Innovation Contest	Student Lead Activity	Department of Electronics	30-01-2020 00:00:00	01-02-2020 00:00:00	3	Within Campus	120	21	100	5	246	No	No
49	Project Expo-Texplora	Innovation	Innovation Contest	Student Lead Activity	Department of Electronics	01-02-2020 00:00:00	01-02-2020 00:00:00	1	Within Campus	60	6	22	0	88	No	No
50	Recent Progress in atmospheric sciences	Innovation	Seminar	Institute Lead Activity	Department of Electronics	17-02-2020 00:00:00	17-02-2020 00:00:00	1	Within Campus	50	20	0	0	70	No	No

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51	Introduction to recent trends in Electronics and Communication and future of Technology at St. Stephans Besania Public School, Kothamangalam	Innovation	Motivational speak	Institute Lead Activity	Department of Electronics	05-08-2019 00:00:00	05-08-2019 00:00:00	1	Outside Campus	0	3	32	2	37	No	No
52	Future with electrobotics	Innovation	Motivational speak	Institute Lead Activity	Department of Electronics	24-01-2020 00:00:00	24-01-2020 00:00:00	1	Outside Campus	0	3	18	2	23	No	No
53	Future with electrobotics	Innovation	Motivational speak	Institute Lead Activity	Department of Electronics	27-01-2020 00:00:00	27-01-2020 00:00:00	1	Outside Campus	0	3	25	2	30	No	No
54	Arduino Microcontroller Board and applications	Innovation	Workshop	Institute Lead Activity	Department of Electronics	26-07-2019 00:00:00	26-07-2019 00:00:00	1	Within Campus	0	3	20	2	25	No	No
55	Arduino Microcontroller Board and applications	Innovation	Workshop	Institute Lead Activity	Department of Electronics	17-08-2019 00:00:00	17-08-2019 00:00:00	1	Within Campus	0	3	20	2	25	No	No
56	Arduino Microcontroller Board and applications	Innovation	Workshop	Institute Lead Activity	Department of Electronics	27-09-2019 00:00:00	27-09-2019 00:00:00	1	Within Campus	0	3	20	2	25	No	No
57	Wireless Technologies in embedded systems, Shristhi Robotics	Innovation	Workshop	Institute Lead Activity	Department of Electronics	18-07-2019 00:00:00	19-07-2019 00:00:00	2	Within Campus	0	22	0	3	25	No	No
58	Women in Engineering (WIE) Summit 2019	Innovation	Mentoring Session	Institute Lead Activity	IEEE Kerala Chapter	21-07-2019 00:00:00	23-07-2019 00:00:00	3	Within Campus	100	18	100	5	223	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) 13475	No

59	Women in Entrepreneurship	Entrepreneurship/Startup	Mentoring Session	Student Lead Activity	IEEE Kerala Chapter	22-07-2019 00:00:00	23-07-2019 00:00:00	2	Within Campus	100	18	100	5	223	No	No
60	Cyber Security	Innovation	Seminar	Student Lead Activity	IEEE Kerala Chapter	22-07-2019 00:00:00	22-07-2019 00:00:00	1	Within Campus	100	18	100	5	223	No	No
61	Risk in Process industry and risk reduction	Innovation	Seminar	Institute Lead Activity	Department of Safety and Fire Engineering	15-01-2020 00:00:00	15-01-2020 00:00:00	1	Within Campus	52	8	0	0	60	No	No
62	Construction project management	Innovation	Training	Institute Lead Activity	Department of Civil Engineering	23-05-2019 00:00:00	25-05-2019 00:00:00	3	Within Campus	5	18	0	0	23	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) 39100	No
63	PMAY hostel design	Entrepreneurship/Startup	Start-up Yatra	Institute Lead Activity	Department of Civil Engineering	01-06-2019 00:00:00	01-06-2019 00:00:00	1	Outside Campus	4	1	0	0	5	No	No
64	Induction programme	Innovation	Training	Institute Lead Activity	Department of Civil Engineering	22-07-2019 00:00:00	09-08-2019 00:00:00	19	Within Campus	33	7	0	0	40	No	No
65	Emerging trends in sustainable developments in transportation	Innovation	Training	Institute Lead Activity	Department of Civil Engineering	23-09-2019 00:00:00	27-09-2019 00:00:00	5	Within Campus	0	10	0	20	30	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) 96180	No
66	Necessity of the use of plastics especially in sustainable road construction	Innovation	Training	Institute Lead Activity	Department of Civil Engineering	24-09-2019 00:00:00	24-09-2019 00:00:00	1	Within Campus	0	10	0	20	30	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) 3000	No
67	performance based specifications for pavement materials	Innovation	Training	Institute Lead Activity	Department of Civil Engineering	24-09-2019 00:00:00	24-09-2019 00:00:00	1	Within Campus	0	10	0	20	30	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) 8060	No

68	Concrete - a sustainable construction material for pavements	Innovation	Training	Institute Lead Activity	Department of Civil Engineering	25-09-2019 00:00:00	25-09-2019 00:00:00	1	Within Campus	0	10	0	20	30	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	5000	No
69	Traffic flow modeling	Innovation	Training	Institute Lead Activity	Department of Civil Engineering	25-09-2019 00:00:00	25-09-2019 00:00:00	1	Within Campus	0	10	0	20	30	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	15937	No
70	Intelligent transportation system (ITS).	Innovation	Training	Institute Lead Activity	Department of Civil Engineering	26-09-2019 00:00:00	26-09-2019 00:00:00	1	Within Campus	0	10	0	20	30	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	14937	No
71	Data collection for traffic studies	Innovation	Training	Institute Lead Activity	Department of Civil Engineering	26-09-2019 00:00:00	26-09-2019 00:00:00	1	Within Campus	0	10	0	20	30	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	10807	No
72	Rap technology and construction of hybrid pavements	Innovation	Training	Institute Lead Activity	Department of Civil Engineering	27-09-2019 00:00:00	27-09-2019 00:00:00	1	Within Campus	0	10	0	20	30	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	9600	No
73	Industry based lab-ambuja cement	Innovation	Ideation	Institute Lead Activity	Department of Civil Engineering	21-11-2019 00:00:00	21-11-2019 00:00:00	1	Outside Campus	3	2	0	0	5	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	1000	No
74	Rebuild kerala Innitiative	IPR	Start-up Yatra	Institute Lead Activity	Department of Civil Engineering	03-12-2019 00:00:00	28-12-2019 00:00:00	26	Outside Campus	52	6	0	0	58	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	32000	No

75	Building information modelling	Innovation	Training	Institute Lead Activity	Department of Civil Engineering	30-12-2019 00:00:00	04-01-2020 00:00:00	6	Within Campus	5	20	0	0	25	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) 30000	No
76	Introduction to water quality testing	Innovation	Training	Institute Lead Activity	Department of Civil Engineering	21-01-2020 00:00:00	21-01-2020 00:00:00	1	Within Campus	52	2	0	0	54	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) 500	No
77	Techshila	Innovation	Ideation	Student Lead Activity	Department of Civil Engineering	31-01-2020 00:00:00	01-02-2020 00:00:00	2	Within Campus	137	10	3	0	150	No	No
78	Digital Village - UBA social outreach programme-	Innovation	Awareness	Institute Lead Activity	Department of Information Technology	12-04-2019 00:00:00	12-04-2019 00:00:00	1	Outside Campus	25	5	10	0	40	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) 15000	No
79	Talk on "Trends in Data Science & Artificial Intelligence"	Innovation	Workshop	Institute Lead Activity	Department of Information Technology	30-07-2019 00:00:00	30-07-2019 00:00:00	1	Within Campus	30	0	0	0	30	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) 3000	No
80	Tech Fest – TECHIZER'20	Innovation	Hackathon	Institute Lead Activity	Department of Information Technology	31-01-2020 00:00:00	01-02-2020 00:00:00	2	Within Campus	25	5	0	0	30	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) 10000	No
81	National Technology Day-KSCSTE	Innovation	Ideation	Student Lead Activity	Department of Information Technology,KSCSTE	15-05-2019 00:00:00	15-05-2019 00:00:00	1	Within Campus	50	5	0	0	55	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) 20000	No
82	Basic of Web Design-HTML5	Innovation	Workshop	Institute Lead Activity	Department of Information Technology	03-02-2020 00:00:00	03-02-2020 00:00:00	1	Within Campus	30	1	0	0	31	No	No

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83	Workshop on R Programming	Innovation	Workshop	Institute Lead Activity	Department of Information Technology	13-05-2019 00:00:00	13-05-2019 00:00:00	1	Within Campus	30	0	0	0	30	No	No
84	Python Workshop,	Innovation	Workshop	Institute Lead Activity	Department of Information Technology,IIT Bombey	22-07-2019 00:00:00	22-07-2019 00:00:00	1	Within Campus	0	30	0	0	30	No	No
85	Introduction to BlockChain' organized by the Dept. of CSE in association with KBA (Kerala BlockChain Academy)	Innovation	Training	Institute Lead Activity	Department of Computer Science and Technology	21-06-2019 00:00:00	22-06-2019 00:00:00	2	Within Campus	0	25	0	25	50	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) 45000	No
86	Preparation of DPR for Piravom Municipality	IPR	Start-up Yatra	Institute Lead Activity	Department of Civil Engineering	27-12-2019 00:00:00	31-03-2020 00:00:00	96	Outside Campus	3	5	0	0	8	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) 10000	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

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

#	Event	Type	Sub-type	Organizer	Org Type	Start Date	End Date								Total Expense Amount Incurred by Institute? (In Rupees)	Award Details
1	Eureka 2019	Innovation	Innovation Contest	IIT, Bombay	Educational Institute	01-02-2020 00:00:00	02-02-2020 00:00:00	2	4	1	5	Yes	Finalists	LPG Mithram	TotalTotal Expense Amount Incurred by Institute? (In Rupees): 6000	Award / Position / Recognition Secured: Finalists; Title of Innovation / Start-up Secured the Award / Recognition: LPG Mithram; Award/Recognition/Achievement Received for: Idea/Innovation/Prototype
2	YIP - Facilitators workshop	Innovation	Workshop	Information and Communication Academy of Kerala ICTAK and Kerala Development and Innovation Strategic Council K-DISC	Govt. Agency (State)	13-02-2020 00:00:00	14-02-2020 00:00:00	2	0	2	2	No	---	---	TotalTotal Expense Amount Incurred by Institute? (In Rupees): 1200	No
3	IOT Workshop	Innovation	Workshop	Mar Athanasius College of Engg.	Educational Institute	23-08-2019 00:00:00	23-08-2019 00:00:00	1	6	0	6	No	---	---	No	No
4	Beginners Python	Innovation	Workshop	Mar Athanasius College of Engg. Kothamangalam,Dept of ECE	Educational Institute	23-08-2019 00:00:00	23-08-2019 00:00:00	1	6	0	6	No	---	---	No	No
5	Cyber Security and Cyber Forensics workshop	Innovation	Workshop	Indian Institute of Technology Palakkad (in association with Entrench Electronics)	Govt. Agency (State)	24-08-2019 00:00:00	25-08-2019 00:00:00	2	7	0	7	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

6	Block Chain Workshop	Innovation	Workshop	Indian Institute of Technology Palakkad (in association with Entrench Electronics)	Educational Institute	24-08-2019 00:00:00	25-08-2019 00:00:00	2	3	0	3	No	---	---	No	No
7	Cyber Security and Ethical Hacking	Innovation	Workshop	Cyber X Securities in association with MA College Kothamangalam	Educational Institute	11-10-2019 00:00:00	12-10-2019 00:00:00	2	2	0	2	No	---	---	No	No
8	3 day camp on Machine Learning as part of Gender and Technology Program	Innovation	Workshop	ICFOSS Training Centre, Sports Hub, TVM	Non-Govt. Agencies	11-10-2019 00:00:00	13-10-2019 00:00:00	3	6	0	6	No	---	---	No	No
9	Internet of Things	Innovation	Workshop	IIT Madras	Educational Institute	13-10-2019 00:00:00	13-10-2019 00:00:00	1	7	0	7	No	---	---	No	No
10	Android Workshop	Innovation	Workshop	Spectrum Softtech Solutions	Corporate / Industry Association	13-09-2019 00:00:00	13-09-2019 00:00:00	1	2	0	2	No	---	---	No	No
11	India Innovation Series	Innovation	Hackathon	Kerala Startup Mission	Govt. Agency (State)	06-07-2019 00:00:00	07-07-2019 00:00:00	2	3	0	3	No	---	---	No	No
12	Digital Marketing	Innovation	Workshop	KAASHIV INFOTECH	Corporate / Industry Association	26-07-2019 00:00:00	26-07-2019 00:00:00	1	1	0	1	No	---	---	No	No
13	Conference on hubs and spokes of Artificial Intelligence	Innovation	Conference	Anthill Inside HasGeek.com, Bangalore	Corporate / Industry Association	24-07-2019 00:00:00	24-07-2019 00:00:00	1	1	0	1	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

14	Worksho p on Cloud Computin g	Innovatio n	Worksho p	Mount Zion Institute of Science and Technolo gy Chengan nur	Educatio nal Institute	18-11-20 19 00:00:00	18-11-20 19 00:00:00	1	1	0	1	No	---	---	No	No
15	CoCoN XII, The Hacking and Cyber Security Briefing Conferen ce	Innovatio n	Conferen ce	Society for the Policing of Cyberspa ce (POLCY B) in associati on with Informati on Security Research Associati on (ISRA), Group of Technolo gy Compani es (GTec) and Kerala State IT Mission	Govt. Agency (State)	19-09-20 19 00:00:00	19-09-20 19 00:00:00	1	0	8	8	No	---	---	No	No
16	5 days FDP on Glide through Cognitive Computin g	Innovatio n	Training	5 days FDP on Glide through Cognitive Computin g	Educatio nal Institute	16-12-20 19 00:00:00	20-12-20 19 00:00:00	5	0	2	2	No	---	---	No	No
17	5 days FDP on Internet of Things	Innovatio n	Training	National Power Training Institute, Alappuzh a	Govt. Agency (State)	16-12-20 19 00:00:00	20-12-20 19 00:00:00	5	0	2	2	No	---	---	No	No
18	Worksho p on LoRaWA N for Open IoT conducte d by ICFOSS	Innovatio n	Worksho p	ICFOSS, Thiruvan anthapur am	Govt. Agency (State)	11-11-20 19 00:00:00	12-11-20 19 00:00:00	2	0	1	1	No	---	---	No	No

19	ICT Academy of Kerala-Invitation for ICSET 2020-International Conclave (ICSET-2020)	Innovation	Start-up Conclave	ICT Academy of Kerala	Govt. Agency (State)	07-02-2020 00:00:00	08-02-2020 00:00:00	2	15	0	15	No	---	---	TotalTotal Expense Amount Incurred by Institute? (In Rupees) 1150	No
20	Renewable energy Technologies and training sessions on Design, Engineering operation and Maintenance of solar systems	Innovation	Awareness	KELTRON	Govt. Agency (State)	24-07-2019 00:00:00	24-07-2019 00:00:00	1	5	0	5	No	---	---	No	No
21	Introduction to Industrial Electrical systems	Innovation	Awareness	L and T Switchgears,Coonoor	Corporate / Industry Association	03-02-2020 00:00:00	05-02-2020 00:00:00	3	48	3	51	No	---	---	No	No
22	IoT	Innovation	Awareness	Inqbe Innovations Pvt. Ltd.	Corporate / Industry Association	20-07-2019 00:00:00	24-07-2019 00:00:00	5	1	0	1	No	---	---	No	No
23	PCB Design	Innovation	Demo Day	Inqbe Innovations Pvt. Ltd.	Corporate / Industry Association	15-07-2019 00:00:00	19-07-2019 00:00:00	5	2	0	2	No	---	---	No	No
24	Advaya	Entrepreneurship/ Startup	Demo Day	NIT, Calicut	Educational Institute	10-01-2020 00:00:00	12-01-2020 00:00:00	3	1	0	1	No	---	---	No	No
25	Automation and Robotics	Innovation	Demo Day	KSUM, Kalamassery	Govt. Agency (State)	18-10-2019 00:00:00	18-10-2019 00:00:00	1	2	0	2	No	---	---	No	No
26	Srishti 2020	Innovation	Exhibition	Saintgits College of Engineering	Educational Institute	10-02-2020 00:00:00	11-02-2020 00:00:00	2	4	0	4	No	---	---	No	No
27	ASME Human Powered Vechicle Challenge	Innovation	Innovation Contest	ASME and Marwadi University	Educational Institute	28-02-2020 00:00:00	01-03-2020 00:00:00	3	44	0	44	No	---	---	No	No

28	Worksho p on Engine Overhauli ng	Entrepre neurship/ Startup	Worksho p	CET - Thiruvan anthapur am	Educatio nal Institute	17-11-20 19 00:00:00	18-11-20 19 00:00:00	2	8	0	8	No	---	---	No	No
29	Training on IC engines	Entrepre neurship/ Startup	Training	Skyfi Labs	Corporat e / Industry Associati on	17-11-20 19 00:00:00	18-11-20 19 00:00:00	2	5	0	5	No	---	---	No	No
30	Worksho p on Public Speaking	Entrepre neurship/ Startup	Worksho p	NIT Calicut	Educatio nal Institute	10-01-20 20 00:00:00	10-01-20 20 00:00:00	1	2	0	2	No	---	---	No	No
31	Worksho p on Automec hanics and Sport Engineeri ng	Entrepre neurship/ Startup	Worksho p	IIT Palakad	Educatio nal Institute	24-08-20 19 00:00:00	25-08-20 19 00:00:00	2	1	0	1	No	---	---	No	No
32	Bike Servicing	Entrepre neurship/ Startup	Skill developm ent	SAE ,MACE Chapter Kothama ngalam	Educatio nal Institute	05-10-20 19 00:00:00	05-10-20 19 00:00:00	1	4	0	4	No	---	---	No	No
33	Ducati Worksho p	Entrepre neurship/ Startup	Worksho p	MACE Kothama ngalam	Educatio nal Institute	05-10-20 19 00:00:00	05-10-20 19 00:00:00	1	4	0	4	No	---	---	No	No
34	Worksho p on Industry Automati on	Entrepre neurship/ Startup	Worksho p	NIT Calicut	Educatio nal Institute	18-10-20 19 00:00:00	20-10-20 19 00:00:00	3	6	0	6	No	---	---	No	No
35	Plant Layout Design	Innovatio n	Ideation	IEI , Kochi	Corporat e / Industry Associati on	15-11-20 19 00:00:00	15-11-20 19 00:00:00	1	2	0	2	Yes	2nd Prize	Plant Layout Design	No	No
36	Worksho p on Aviation Guidance	Entrepre neurship/ Startup	Worksho p	ISTE ,MACE Chapter Kothama ngalam	Educatio nal Institute	11-10-20 19 00:00:00	11-10-20 19 00:00:00	1	6	0	6	No	---	---	No	No
37	Reboot Kerala Hackatho n	Innovatio n	Innovatio n Contest	ASAP, Kerala	Govt. Agency (State)	28-02-20 20 00:00:00	01-03-20 20 00:00:00	3	2	0	2	No	---	---	No	No

For row 35, the last cell contains:

Award / Position / Recognition Secured	2nd Prize
Title of Innovation / Start-up Secured the Award / Recognition	Plant Layout Design
Award/Recog nition/Achieve ment Received for	Idea/Innova tion/Prototy pe

38	Worksho p on Robotic Welding and Automati on	Entrepre neurship/ Startup	Worksho p	IIW, Delhi	Corporat e / Industry Associati on	09-11-20 19 00:00:00	09-11-20 19 00:00:00	1	8	1	9	No	---	---	No	No
39	Worksho p on Aerodyna mics	Entrepre neurship/ Startup	Worksho p	SAE ,MACE Chapter Kothama ngalam	Educatio nal Institute	12-10-20 19 00:00:00	12-10-20 19 00:00:00	1	5	0	5	No	---	---	No	No
40	Worksho p on Rapid Prototypi ng	Entrepre neurship/ Startup	Worksho p	NIT Calicut	Educatio nal Institute	18-01-20 20 00:00:00	20-01-20 20 00:00:00	3	3	0	3	No	---	---	No	No
41	Harley Davidson Worksho p	Entrepre neurship/ Startup	Worksho p	Rajagiri School of Engineeri ng Kakkana d	Govt. Agency (State)	15-12-20 19 00:00:00	16-12-20 19 00:00:00	2	5	0	5	No	---	---	No	No
42	Professio nal Students Summit	Innovatio n	Orientatio n Session	ASAP	Educatio nal Institute	15-02-20 20 00:00:00	15-02-20 20 00:00:00	1	1	0	1	No	---	---	No	No
43	FDP on Emerging areas in Nanomat erials and its Applicatio n	Entrepre neurship/ Startup	Training	VJEC-Kannur	Educatio nal Institute	24-06-20 19 00:00:00	28-06-20 19 00:00:00	5	0	2	2	No	---	---	No	No
44	FDP om Tools, Techniqu es and models for Scientific research	Innovatio n	Training	VJCET, Thodupu zha	Educatio nal Institute	22-07-20 19 00:00:00	26-07-20 19 00:00:00	5	0	1	1	No	---	---	No	No
45	One day Technical event on Automati on and Robotics	Innovatio n	Worksho p	KSUM	Govt. Agency (State)	18-10-20 19 00:00:00	18-10-20 19 00:00:00	1	0	1	1	No	---	---	No	No
46	Techathl on 2020	Innovatio n	Hackatho n	ICT Academy of Kerala	Govt. Agency (State)	25-11-20 19 00:00:00	07-03-20 20 00:00:00	10	0	2	2	No	---	---	No	No
47	Shrishti 2020	Innovatio n	Innovatio n Contest	Saintgits College of Engineeri ng , Kottayam Kerala	Educatio nal Institute	10-02-20 20 00:00:00	11-02-20 20 00:00:00	2	4	1	5	No	---	---	No	No

48	Hack Kochi	Entrepre neurship/ Startup	Start-up Conclave	Kerala Startup Mission Kochi - IEEE Kochi Hub	Govt. Agency (State)	02-11-20 19 00:00:00	03-11-20 19 00:00:00	2	4	0	4	No	---	---	No	No
49	IoT using Raspberr y Pi	Innovatio n	Worksho p	NoviTech	Corporat e / Industry Associati on	25-08-20 19 00:00:00	25-08-20 19 00:00:00	1	3	0	3	No	---	---	No	No
50	Professio nal Student Summit	Innovatio n	Orientatio n Session	CUSAT	Corporat e / Industry Associati on	15-02-20 20 00:00:00	15-02-20 20 00:00:00	1	2	0	2	No	---	---	No	No
51	IICDC-2019-LIC	Innovatio n	Innovatio n Contest	Texas Instrume nts	Corporat e / Industry Associati on	30-10-20 19 00:00:00	30-10-20 19 00:00:00	1	3	0	3	No	---	---	No	No
52	Project in LED Manufact uring Unit	Innovatio n	Training	AMASS Power Solutions (P) Ltd	Corporat e / Industry Associati on	25-07-20 19 00:00:00	29-07-20 19 00:00:00	5	2	0	2	No	---	---	No	No
53	IEEE Women in Engineeri ng Summit 2019	Innovatio n	Boot camp	IEEE Kerala Session	Internatio nal Agencies	21-07-20 19 00:00:00	23-07-20 19 00:00:00	3	11	0	11	No	---	---	No	No
54	Internet of Things	Innovatio n	Worksho p	Mar Athanasi us college Kothama ngalam	Educatio nal Institute	23-08-20 19 00:00:00	23-08-20 19 00:00:00	1	3	0	3	No	---	---	No	No
55	Microcont roller Program ming,Sys tem Architect ure Design,E mbedded System and Robotics	Innovatio n	Training	Keltron	Corporat e / Industry Associati on	04-07-20 19 00:00:00	10-07-20 19 00:00:00	7	1	0	1	No	---	---	No	No
56	Cyber Security	Innovatio n	Worksho p	IEEE Kerala Session(WIES)	Internatio nal Agencies	21-07-20 19 00:00:00	23-07-20 19 00:00:00	3	2	0	2	No	---	---	No	No
57	PCB Design	Innovatio n	Training	InQbe Innovatio ns Pvt.Ltd.	Corporat e / Industry Associati on	15-07-20 19 00:00:00	19-07-20 19 00:00:00	5	3	0	3	No	---	---	No	No

58	Dark web	Innovation	Workshop	Technovally software India Pvt Ltd	Corporate / Industry Association	21-02-2020 00:00:00	21-02-2020 00:00:00	1	2	0	2	No	---	---	No	No
59	Data Visualisation in AI	Innovation	Workshop	Technovally software India Pvt Ltd	Corporate / Industry Association	21-02-2020 00:00:00	21-02-2020 00:00:00	1	1	0	1	No	---	---	No	No
60	Hack Camp	Innovation	Hackathon	Hack Club	Non-Govt. Agencies	08-02-2020 00:00:00	09-02-2020 00:00:00	2	1	0	1	No	---	---	No	No
61	BRAHMA 2020	Innovation	Innovation Contest	Adishankara Institute Of Engineering and Technology	Educational Institute	28-02-2020 00:00:00	28-02-2020 00:00:00	1	1	0	1	No	---	---	No	No
62	System Design for Mission 100kft Payload	Innovation	Seminar	IEEE CUSAT SB and WIE AG CUSAT	Educational Institute	22-05-2019 00:00:00	22-05-2019 00:00:00	1	2	0	2	No	---	---	No	No
63	Augumented Reality and Applications	Innovation	Seminar	PL Lab in Bajaj Finance, MCGraw Hill	Corporate / Industry Association	17-10-2019 00:00:00	17-10-2019 00:00:00	1	2	0	2	No	---	---	No	No
64	Robotics Connecting Engineering Minds	Innovation	Seminar	IIT Delhi	Educational Institute	20-03-2020 00:00:00	20-03-2020 00:00:00	1	3	0	3	No	---	---	No	No
65	Machine Learning	Innovation	Workshop	RAS Chapter ,iEEE Kerala Section and GEC Barton Hill	Educational Institute	16-03-2020 00:00:00	16-03-2020 00:00:00	1	2	0	2	No	---	---	No	No
66	Petrichor-Hacker Workshop	Innovation	Workshop	IIT Palakkad	Educational Institute	24-08-2019 00:00:00	25-08-2019 00:00:00	2	6	0	6	No	---	---	No	No
67	UMANG Quiz	Innovation	Ideation	Ministry of Electronics and IT	Govt. Agency (Central)	15-03-2020 00:00:00	15-03-2020 00:00:00	1	1	0	1	No	---	---	No	No
68	Illuminate 2019-A Series of Pre-Eureka	Entrepreneurship/ Startup	Workshop	IEDC Cell,IIT Bombay	Educational Institute	25-10-2019 00:00:00	25-10-2019 00:00:00	1	2	0	2	No	---	---	No	No

69	Drone Development	Innovation	Workshop	Ezenith	Corporate / Industry Association	22-07-2019 00:00:00	27-07-2019 00:00:00	6	22	2	24	No	---	---	No	No
70	Space robotics challenges and Oppurtunities	Innovation	Seminar	IEEE kerala chapter	International Agencies	16-03-2020 00:00:00	16-03-2020 00:00:00	1	42	0	42	No	---	---	No	No
71	Introduction to Deep learning with Python	Innovation	Seminar	IEEE kerala chapter	International Agencies	26-03-2020 00:00:00	26-03-2020 00:00:00	1	1	0	1	No	---	---	No	No
72	Artificial Intelligence	Innovation	Innovation Contest	Microsoft	Corporate / Industry Association	01-01-2020 00:00:00	29-02-2020 00:00:00	60	2	0	2	No	---	---	No	No
73	Wireless Technologies in embedded systems	Innovation	Workshop	Shristhi Robotics	Corporate / Industry Association	18-07-2019 00:00:00	19-07-2019 00:00:00	2	0	25	25	No	---	---	No	No
74	Recent Advances in Sensors and Actuators	Innovation	Workshop	College of engineering, chengannur, AICTE	Govt. Agency (Central)	09-12-2019 00:00:00	20-12-2019 00:00:00	12	0	1	1	No	---	---	No	No
75	Robotics, Artificial Intelligence and Control	Innovation	Workshop	NIT Calicut	Educational Institute	03-02-2020 00:00:00	08-02-2020 00:00:00	6	0	1	1	No	---	---	No	No
76	Management Fest	Entrepreneurship/ Startup	Skill development	Bharath Matha College, Thrikakara	Educational Institute	19-12-2019 00:00:00	20-12-2019 00:00:00	2	8	0	8	No	---	---	No	No
77	BFSI Summit and Award Nite	Entrepreneurship/ Startup	Seminar	Dhanam Magazine	Corporate / Industry Association	27-02-2020 00:00:00	27-02-2020 00:00:00	1	60	1	61	No	---	---	No	No
78	International Conference on Energy, Environment, Materials and Safety (ICEEMS-19)	Innovation	Conference	School of Engineering, CUSAT	Educational Institute	25-04-2019 00:00:00	27-04-2019 00:00:00	3	2	1	3	No	---	---	No	No

79	International Conference Functional Materials (ICFM 2020)	Innovation	Conference	IIT Kharaghpur	Educational Institute	06-01-2020 00:00:00	08-01-2020 00:00:00	3	1	0	1	No	---	---	No	No
80	Paper Presentation on Recent Topics in Safety and Fire Engineering	Innovation	Conference	NSC - Kerala Chapter	Non-Govt. Agencies	23-11-2019 00:00:00	23-11-2019 00:00:00	1	6	1	7	No	---	---	No	No
81	Industry Hygiene and Risk Assessment Techniques	Innovation	Workshop	Eranad Knowledge City, Manjeri	Educational Institute	19-02-2020 00:00:00	19-02-2020 00:00:00	1	10	0	10	No	---	---	No	No
82	Recent Advances in Environmental Engineering and Management	Innovation	Training	School of Engineering, CUSAT	Educational Institute	02-03-2020 00:00:00	07-03-2020 00:00:00	6	0	2	2	No	---	---	No	No
83	International Conference on Sustainable Innovation in Civil and Mechanical Engineering	Innovation	Conference	Mangalam College of Engineering	Educational Institute	16-05-2019 00:00:00	17-05-2019 00:00:00	2	2	1	3	No	---	---	No	No
84	International Conference on Energy and Environment	Innovation	Conference	TKM College of Engineering	Educational Institute	12-12-2019 00:00:00	14-12-2019 00:00:00	3	2	0	2	No	---	---	No	No
85	National Conference on Safety and Fire Engineering (SAFE 2019)	Innovation	Conference	School of Engineering, CUSAT	Educational Institute	12-12-2019 00:00:00	13-12-2019 00:00:00	2	4	2	6	No	---	---	No	No

86	National Conference on Internal Combustion Engines and Combustions	Innovation	Conference	NIT Kurukshethra	Educational Institute	01-11-2019 00:00:00	04-11-2019 00:00:00	4	3	0	3	No	---	---	No	No
87	Artificial Intelligence and Soft computing Techniques	Innovation	Workshop	School of Engineering, CUSAT	Educational Institute	29-08-2019 00:00:00	31-08-2019 00:00:00	3	0	1	1	No	---	---	No	No
88	Tools for Research	Innovation	Workshop	School of Engineering, CUSAT	Educational Institute	23-01-2020 00:00:00	24-01-2020 00:00:00	2	0	2	2	No	---	---	No	No
89	Art and Science of Technical Paper Writing	Innovation	Workshop	School of Engineering, CUSAT	Educational Institute	09-08-2019 00:00:00	09-08-2019 00:00:00	1	0	2	2	No	---	---	No	No
90	Process Safety Conference	Innovation	Conference	Energy and Climate Initiatives Society	Non-Govt. Agencies	11-02-2020 00:00:00	12-02-2020 00:00:00	2	0	1	1	No	---	---	No	No
91	Fueling our sustainable future	Innovation	Conference	IIT Madras	Educational Institute	10-12-2019 00:00:00	11-12-2019 00:00:00	2	0	1	1	No	---	---	No	No
92	Startup Expo	Entrepreneurship/ Startup	Start-up Conclave	NIT Calicut	Educational Institute	19-10-2019 00:00:00	19-10-2019 00:00:00	1	3	0	3	No	---	---	No	No
93	Motor Bike Servicing	Entrepreneurship/ Startup	Skill development	Mar Athanasious College of Engineering	Educational Institute	23-11-2019 00:00:00	23-11-2019 00:00:00	1	7	0	7	No	---	---	No	No
94	IOSH Managing Safety and Basic Industrial Safety	Innovation	Awareness	CRESSCO SAFE, ERNAKULAM	Non-Govt. Agencies	21-12-2019 00:00:00	21-12-2019 00:00:00	1	1	0	1	No	---	---	No	No

95	Automobile and IC Engines	Innovation	Workshop	SREE NARAYANA GURUKULAM COLLEGE OF ENGINEERING	Educational Institute	12-02-2020 00:00:00	12-02-2020 00:00:00	1	2	0	2	No	---	---	No		No
96	Illuminate 2019 - Pro Eureka B Model	Entrepreneurship/ Startup	Workshop	IEDC IIT Bombay	Educational Institute	25-10-2019 00:00:00	25-10-2019 00:00:00	1	1	0	1	No	---	---	No		No
97	FABFest	Entrepreneurship/ Startup	Workshop	Toc H Institute of Science and Technology	Educational Institute	24-01-2020 00:00:00	27-01-2020 00:00:00	4	5	0	5	No	---	---	No		No
98	Fire Safety Robotics	Innovation	Workshop	School of Engineering, CUSAT	Educational Institute	26-01-2020 00:00:00	26-01-2020 00:00:00	1	2	0	2	No	---	---	No		No
99	Ducati Mainatanace	Innovation	Workshop	GEC Kozhikode	Educational Institute	25-10-2019 00:00:00	27-10-2019 00:00:00	3	1	0	1	No	---	---	No		No
100	VITMUN model United Nations	Innovation	Awareness	VIT, Vellore	Educational Institute	06-11-2019 00:00:00	08-11-2019 00:00:00	3	1	0	1	No	---	---	No		No
101	Cyber Security and Cyber Forensic	Innovation	Workshop	IIT Palakkad	Educational Institute	24-08-2019 00:00:00	25-08-2019 00:00:00	2	1	0	1	No	---	---	No		No
102	Hackaway Techksethra	Innovation	Hackathon	Rajagiri School of Engineering and Technology	Educational Institute	16-04-2019 00:00:00	16-04-2019 00:00:00	1	1	0	1	No	---	---	No		No
103	Training by Ambuja Cement	Innovation	Exposure visit	Ambuja Cement	Corporate / Industry Association	23-04-2019 00:00:00	23-04-2019 00:00:00	1	0	4	4	No	---	---	TotalTotal Expense Amount Incurred by Institute? (In Rupees) 1000		No
104	Practical Exposure for Civil Engg Students	Innovation	Workshop	BAI	Corporate / Industry Association	22-05-2019 00:00:00	22-05-2019 00:00:00	1	0	3	3	No	---	---	No		No

105	Design of Advanced Concrete Structures	Innovation	Training	FISAT	Educational Institute	03-07-2019 00:00:00	10-07-2019 00:00:00	8	0	1	1	No	---	---	No	No
106	Computational Methods in Engg	Innovation	Training	Rajagiri School of Engineering and Technology	Educational Institute	08-07-2019 00:00:00	12-07-2019 00:00:00	5	0	5	5	No	---	---	No	No
107	Plenary session	Innovation	Training	CUSAT	Educational Institute	20-07-2019 00:00:00	20-07-2019 00:00:00	1	3	1	4	No	---	---	No	No
108	Beginners Python	Innovation	Workshop	MACE	Educational Institute	23-07-2019 00:00:00	23-07-2019 00:00:00	1	20	0	20	No	---	---	No	No
109	IIT palakkad	Innovation	Innovation Contest	IIT Palakkad	Educational Institute	24-07-2019 00:00:00	27-07-2019 00:00:00	4	2	0	2	No	---	---	No	No
110	Takshak 2019	Innovation	Ideation	MA College of Engineering Kothamangalam	Educational Institute	11-10-2019 00:00:00	12-10-2019 00:00:00	2	8	0	8	No	---	---	No	No
111	Petrichor	Innovation	Workshop	IIT Palakkad	Educational Institute	24-08-2019 00:00:00	25-08-2019 00:00:00	2	2	0	2	No	---	---	No	No
112	Space Quiz	Innovation	Ideation	MYGOV and ISRO	Govt. Agency (Central)	01-09-2019 00:00:00	01-09-2019 00:00:00	1	10	0	10	No	---	---	No	No
113	Techkshethra	Innovation	Ideation	Rajagiri School of Engineering and Technology	Educational Institute	15-11-2019 00:00:00	15-11-2019 00:00:00	1	1	0	1	No	---	---	No	No
114	Susatainable Concrete Pavements - Practices , Challenges and Directions	Innovation	Workshop	ICI Kochi	Corporate / Industry Association	23-11-2019 00:00:00	23-11-2019 00:00:00	1	0	5	5	No	---	---	No	No
115	Rehabilitation of roads damaged in floods	Entrepreneurship/ Startup	Start-up Conclave	RKI or Govt.	Govt. Agency (State)	01-12-2019 00:00:00	01-12-2019 00:00:00	1	1	1	2	No	---	---	No	No

116	Random Vibrations	Innovation	Training	Rajagiri School of Engineering and Technology	Educational Institute	09-12-2019 00:00:00	14-12-2019 00:00:00	6	5	8	13	No	---	---	No	No
117	Geo hazards and disaster Mitigation	Innovation	Training	VJCET	Educational Institute	12-12-2019 00:00:00	14-12-2019 00:00:00	3	3	3	6	No	---	---	No	No
118	Sustainable technologies to waste to health and waste to energy	Innovation	Workshop	CUSAT	Educational Institute	16-12-2019 00:00:00	16-12-2019 00:00:00	1	1	1	2	No	---	---	No	No
119	Rebuild Kerala hackathon	Innovation	Innovation Contest	KTU	Govt. Agency (State)	06-01-2020 00:00:00	08-01-2020 00:00:00	3	6	0	6	No	---	---	No	No
120	Raagam	Innovation	Ideation	National Institute of Technology, Calicut	Educational Institute	10-01-2020 00:00:00	12-01-2020 00:00:00	3	45	0	45	No	---	---	No	No
121	Technical Talk	Entrepreneurship/Startup	Skill development	Kerala startup mission	Govt. Agency (State)	18-01-2020 00:00:00	18-01-2020 00:00:00	1	5	0	5	No	---	---	No	No
122	Wing - Women Rise Together	Entrepreneurship/Startup	Workshop	Start Up India and DPIIT	Govt. Agency (State)	05-02-2020 00:00:00	06-02-2020 00:00:00	2	2	0	2	No	---	---	No	No
123	ICI technical talk	Innovation	Seminar	MACE	Educational Institute	06-03-2020 00:00:00	06-03-2020 00:00:00	1	8	2	10	No	---	---	No	No
124	Construction company (Nroute)	Entrepreneurship/Startup	Start-up Yatra	Private Construction	Non-Govt. Agencies	01-03-2020 00:00:00	01-03-2020 00:00:00	1	1	0	1	No	---	---	No	No
125	Construction company (S B constructions)	Entrepreneurship/Startup	Start-up Yatra	Private Construction	Non-Govt. Agencies	01-03-2020 00:00:00	01-03-2020 00:00:00	1	1	0	1	No	---	---	No	No
126	Business (Eden Bakers)	Entrepreneurship/Startup	Start-up Yatra	Private Business	Non-Govt. Agencies	01-03-2020 00:00:00	01-03-2020 00:00:00	1	1	0	1	No	---	---	No	No
127	SECON 2019	Innovation	Seminar	FISAT	Educational Institute	15-05-2019 00:00:00	16-05-2019 00:00:00	2	10	10	20	No	---	---	No	No

128	Block Chain Architecture Design and Use cases	Innovation	Skill development	NPTEL	Govt. Agency (Central)	01-07-2019 00:00:00	30-10-2019 00:00:00	12	0	1	1	No	---	---	No	No
129	Architecting with Google Compute Engine (5 Courses)	Innovation	Skill development	Google Cloud Training, Coursera	International Agencies	04-09-2019 00:00:00	05-01-2020 00:00:00	12	11	0	11	No	---	---	No	No
130	Human Computer Interactions	Innovation	Skill development	NPTEL	Govt. Agency (Central)	01-08-2019 00:00:00	10-10-2019 00:00:00	71	3	0	3	No	---	---	No	No
131	Ethical Hacking	Innovation	Skill development	NPTEL	Govt. Agency (Central)	01-07-2019 00:00:00	10-10-2019 00:00:00	10	1	0	1	No	---	---	No	No
132	Plastic waste management	Innovation	Skill development	NPTEL	Govt. Agency (Central)	01-01-2020 00:00:00	01-03-2020 00:00:00	61	5	0	5	No	---	---	No	No
133	Natural hazards	Innovation	Skill development	NPTEL	Govt. Agency (Central)	01-01-2020 00:00:00	01-03-2020 00:00:00	61	2	0	2	No	---	---	No	No
134	Modern construction materials	Innovation	Skill development	NPTEL	Govt. Agency (Central)	01-01-2020 00:00:00	31-03-2020 00:00:00	91	23	0	23	No	---	---	No	No
135	Geosynthetics and reinforced soil structures	Innovation	Skill development	NPTEL	Govt. Agency (Central)	01-01-2020 00:00:00	31-03-2020 00:00:00	91	4	0	4	No	---	---	No	No
136	Glass in buildings-design and applications	Innovation	Skill development	NPTEL	Govt. Agency (Central)	01-07-2019 00:00:00	01-10-2019 00:00:00	93	1	0	1	No	---	---	No	No
137	Maintenance and repair of concrete Structures	Innovation	Skill development	NPTEL	Govt. Agency (Central)	01-01-2020 00:00:00	31-03-2020 00:00:00	91	7	1	8	No	---	---	No	No
138	FDP on Computer Vision	Innovation	Skill development	NPTEL	Govt. Agency (Central)	29-07-2019 00:00:00	18-10-2019 00:00:00	82	0	3	3	No	---	---	No	No
139	FDP on Introduction to Internet of things	Innovation	Skill development	NPTEL	Govt. Agency (Central)	29-07-2019 00:00:00	18-10-2019 00:00:00	82	0	6	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

140	FDP on Introduction to Machine Learning	Innovation	Skill development	NPTEL	Govt. Agency (Central)	29-07-2019 00:00:00	20-09-2019 00:00:00	54	0	1	1	No	---	---	No	No
141	FDP on Manufacturing Automation	Innovation	Skill development	NPEL	Govt. Agency (Central)	29-07-2019 00:00:00	23-08-2019 00:00:00	26	0	1	1	No	---	---	No	No
142	FDP on Robotics	Innovation	Skill development	NPTEL	Govt. Agency (Central)	29-07-2019 00:00:00	20-09-2019 00:00:00	54	0	1	1	No	---	---	No	No
143	FDP on Sensors and Actuators	Innovation	Skill development	NPTEL	Govt. Agency (Central)	29-07-2019 00:00:00	18-10-2019 00:00:00	82	0	2	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	Entrepreneurship	Entrepreneurship/Startup	Elective/Core Credit Course	Credit Course (Compulsory)	Department of Management Studies	26-11-2019	18-02-2020	85	Offline	59	45
2	Business Ethics and Corporate Governance	Entrepreneurship/Startup	Elective/Core Credit Course	Credit Course (Compulsory)	Department of Management Studies	26-11-2019	18-02-2020	85	Offline	59	45
3	Management of Creativity	IPR, Innovation	Elective/Core Credit Course	Major/Minor Specialization	Department of Management Studies	01-04-2020	31-07-2020	122	Online	26	40
4	FOSS and Enterprise Solutions	Innovation	Short term Course	Short Term Certificate Course	FOSS Cell	08-07-2019	18-07-2019	11	Offline	41	66
5	Artificial Intelligence - Machine Learning	Innovation	Short term Course	Short Term Certificate Course	Additional Skill Acquisition Programme ASAP	01-01-2019	20-06-2020	537	Offline	24	600
6	Diploma in Cyber Security and Cyber Forensics	Innovation	Short term Course	Diploma	Federal Academy for Cyber Education C-DAC	23-10-2019	05-03-2020	135	Offline	33	300
7	UI Path Robotic Process Automation	Innovation	Short term Course	Short Term Certificate Course	Additional Skill Acquisition Programme ASAP	01-11-2019	22-03-2020	143	Online	37	40

8	Google Cloud ACE Program	Innovation	Short term Course	Short Term Certificate Course	Additional Skill Acquisition Programme ASAP	01-09-2019	01-02-2020	154	Online	33	90
9	Responsible Engineering	IPR	Elective/Core Credit Course	Credit Course (Elective)	Department of Safety and Fire Engineering	15-01-2020	25-04-2020	102	Online	122	40
10	IBM AIML Course	Innovation	Short term Course	Short Term Certificate Course	IBM and ASAP	01-01-2020	31-12-2020	366	Online	4	90
11	IBM Business Analytics Course	Innovation	Short term Course	Short Term Certificate Course	IBM and ASAP	01-01-2020	31-12-2020	366	Online	1	90

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	Construction Management in Building Information Modelling	Innovation	Employment Generation Training Programs	Department of Civil Engineering	30-12-2019	04-01-2020	6	Offline	24	30
2	Emerging Trends in Sustainable Development in Transportation Engineering	Innovation	Employment Generation Training Programs	Department of Civil Engineering	23-09-2019	28-09-2019	6	Offline	30	36
3	Emerging Trends in Utilization and Conservation of Energy for Sustainable Development	Innovation	FDP in I&E / IPR	Department of Electrical and Electronics Engineering	15-07-2019	19-07-2019	5	Offline	26	35
4	Software training in Solidworks	Entrepreneurship/Startup, Innovation	Employment Generation Training Programs	Department of Mechanical Engineering	13-07-2019	25-07-2019	13	Offline	31	50
5	3D printing	Entrepreneurship/Startup, Innovation	Employment Generation Training Programs	Department of Mechanical Engineering	24-01-2020	27-01-2020	4	Offline	63	30
6	Training in Airconditioning for Nearby Villages	Entrepreneurship/Startup	Employment Generation Training Programs	Department of Mechanical Engineering	01-07-2019	06-07-2019	6	Offline	14	35
7	Managerial Skill Development	Entrepreneurship/Startup, Innovation	Employment Generation Training Programs	Department of Management Studies	01-08-2019	29-10-2019	90	Offline	60	30
8	Managerial Skill Development	Entrepreneurship/Startup, Innovation	Employment Generation Training Programs	Department of Management Studies	18-11-2019	10-02-2020	85	Offline	60	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	Titus Thomas	IEDC	IEDC	Yes	Yes

	Highest degree name in I&E and IPR	LLB and Masters in Personnel Management		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	PG		Young Innovators Program YIP Facilitators Workshop	Innovation	FDP in I&E, IPR	Information and Communication Technology Academy of Kerala ICTAK and Did you mean: K DISC Kerala Development and Innovation Strategic Council KDISC	Govt. Agency (State)	13-02-2020 00:00:00	14-02-2020 00:00:00	2	Offline
	Year of Highest degree in I&E and IPR	2002										
2	Shajan K. Thomas	Department of Mechanical Engineering		Assistant Professor	No			No				
3	Kiran Christopher	Department of Mechanical Engineering		Assistant Professor	No			No				
4	Dr. Georgina Binoy Joseph	Department of Electronics		Associate Professor	No			No				
5	Deepa Mary Varghese	Department of Electronics		Assistant Professor	No			No				
6	Deepthi Thomas	Department of Electronics		Assistant Professor	No			No				
7	Dhanya R	Department of Electronics		Assistant Professor	No			No				
8	Swathy Satheesh	Department of Electronics		Assistant Professor	No			No				
9	Surej Rajan C	Department of Safety and Fire Engineering		Assistant Professor	No			No				
10	Prof. Lathi Karthi	Department of Civil Engineering		Professor	No			No				
11	Dr. Vasudev R	Department of Civil Engineering		Associate Professor	No			No				
12	Dr. Smitha K K	Department of Civil Engineering		Associate Professor	No			No				
13	Ms. Anju Paul	Department of Civil Engineering		Assistant Professor	No			No				
14	Ms.Tellma John	Department of Civil Engineering		Assistant Professor	No			No				
15	Dr. Jesna Anver	Department of Computer Science and Engineering		Associate Professor	No			No				
16	Dr. Sreela Sreedhar	Department of Computer Science and Engineering		Associate Professor	No			No				

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	Aeromodeling Club	Innovation Club	2010	Co-working Space	Pre-Incubation Unit,Innovation Labs	2	Shajan K Thomas	shajankthomas1@gmail.com	9846257321
2	Autombile club	Idea Club	2015	Co-working Space	Pre-Incubation Unit	2	Dr. Rajesh Kocheril	rajeshkocheril@gmail.com	9495394304

3	Design club	Idea Club	2016	Co-working Space,Work Stations	Pre-Incubation Unit	4	Kiran Christopher	kiranchris007@gmail.com	9995000999
4	ENCON Club	Innovation Club	2015	Co-working Space	Pre-Incubation Unit	10	Aparna S. Nair	aparnasn@tistcochin.edu.in	7356823166
5	Nirmana club	Idea Club	2015	Co-working Space	Pre-Incubation Unit	1	Vijay Nair	cenirmanaclub.teamlead@gmail.com	9526942838
6	Tinker Hub	Idea Club	2019	Co-working Space,Work Stations	Pre-Incubation Unit	2	Ashish Thomas Mathew	ashishshajisrampickal@gmail.com	62828015
7	KBI Innovation CLub	Innovation Club	2019	Co-working Space,Work Stations	Pre-Incubation Unit	1	Jishnu N V	jishnunvvn@gmail.com	9446485176
8	Road Safety Club	Idea Club	2019	Co-working Space	Pre-Incubation Unit	4	Surej Rajan C	surejrajan2020@gmail.com	9633018971
9	Skill Planning and Acquisition SPAN	Innovation Club	2018	Co-working Space	Pre-Incubation Unit	22	Dr. Georgina Binoy Joseph	georgina@tistcochin.edu.in	9566110163
10	Marketing Club	Idea Club	2010	Co-working Space	Pre-Incubation Unit	1	Anand KS	anandks2597@gmail.com	7356340553
11	HR Club	Idea Club	2010	Co-working Space	Pre-Incubation Unit	2	Evita Antony	evita.antony97@gmail.com	7558809184
12	Finance Club	Idea Club	2010	Co-working Space	Pre-Incubation Unit	2	Anu Jacob	anujacob5436@gmail.com	9544791757

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	IEDC (TIST BOOT CAMP)	IEDC	2015	Co-working Space,Work Stations	Innovation Labs,Centre of Excellence with Advance Tools,Student Clubs	Innovation Labs,Centre of Excellence with Advance Tools,Student Clubs	Facility Incharge Name: Titus Thomas; Facility Incharge Email: titusthomas@hotmail.com; Facility Incharge Phone: 9400394553	17	Yes	No	Yes

Source of Grant / Fund	Agency Name	Agency Type	Total Grants / Funds Received by Pre-Incubation & Incubation Centre / Facilities exists in Campus (In Rupees)
Funding Agency	Kerala Startup Mission	Govt. Agency (State)	47628

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	Name of the Funding Schemes	Facility Details	Total Nos of Dedicated Executive/Manag	Had the CoE Provided any Funding Support for Idea/Prototype/Innovation	Had institute Generated Income either from Services Offered by CoE Centre/Facilities?	Had institute spent expenses either from own resource/received fund towards

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

			HEI	Available with CoE, if any (Optional)		ement team Strength Engaged at the Facility	Development and implementation during the Financial Year 2019-20?		Establishment/Operation of CoE Centre/Facilities?
1	Daikin Centre of Excellence	2017	Student Clubs		Facility Incharge Name: Aby S Facility Incharge Email: abys@tistcochin.edu.in Facility Incharge Phone: 9447227690	4	No	**Yes** Total Annual Income from Training and Skill Development Services (In Rupees): 11000 Total Annual Income from (Technical and Business) Mentoring Services (In Rupees): 0 Total Annual Income from Office Space and Rental Services to Start-ups/Innovators (In Rupees): 0	No
2	Larsen and Toubro Switchgear Centre of Excellence	2015	Innovation Labs		Facility Incharge Name: Anjum ol C.S. Facility Incharge Email: anjumolcs@tistcochin.edu.in Facility Incharge Phone: 9995114039	6	No	No	No
3	Machine Learning Lab	2019	Innovation Labs		Facility Incharge Name: Dr Rasmi P.S Facility Incharge Email: drrasmips@tistcochin.edu.in Facility Incharge Phone: 9497813480	5	No	No	Yes

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)	400000

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	Telepresence Lab	2019	Pre-Incubation,Innovation Labs				5	No	No	Yes
				Facility Incharge Name	Mr.Abin Oommen Philip					
				Facility Incharge Email	abinphilip@tistcochin.edu.in					
				Facility Incharge Phone	9809238007					

	Source of Grant / Fund	Agency Name	Agency Type	Total Grants / Funds Received by CoE Facility exists in Campus (In Rupees)
	Funding Agency	Kerala State IT Infrastructure Ltd.	Govt. Agency (State)	1772718

5	Centre of Excellence for Green Building Materials	2013	Pre-Incubation,Student Clubs				3	Yes	Yes	Yes
				Facility Incharge Name	Ms. Anue Marry Mathew				Total Annual Income from Training and Skill Development Services (In Rupees): 0	
				Facility Incharge Email	tistce.centreofexcellence@gmail.com				Total Annual Income from (Technical and Business) Mentoring Services (In Rupees): 10000	
				Facility Incharge Phone	9447667364				Total Annual Income from Office Space and Rental Services to Start-ups/Innovators (In Rupees): 0	

	Source of Grant / Fund	Agency Name	Agency Type	Total Grants / Funds Received by CoE Facility exists in Campus (In Rupees)
	Institute's Own Fund / Resource	Toc H Institute of Science and Technology	Educational Institute	10000

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

No Data FIled!

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

No Data FIled!

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

No Data Flled!

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	Titus Thomas	IEDC	Idea/Innovation Development,Entrepreneurship/Startup Development	10

Name of Idea/Innovation/ Startup Mentored	Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
ORGANIO Micro Farms	Within	
BULK Technologies	Within	
ROFAROBO Services Pvt. Ltd	Outside	
Automatic Hand Sanitizer Dispenser	Within	
Water Quality testing	Outside	
Train Running Status Digital Alert System for road users	Within	
Digital Ground Water detecting Radar	Within	
IOT Enabled Electrical Meter	Within	

Srno	Name of the Faculty	Designation of the Faculty	Mentor Expert Area	Years of Experience in Mentorship (In Years)
2	Shajan K. Thomas	Assistant Professor	Idea/Innovation Development	5

Name of Idea/Innovation/ Startup Mentored	Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
Solar Panel Automated Cleaning System	Within	

Srno	Name of the Faculty	Designation of the Faculty	Mentor Expert Area	Years of Experience in Mentorship (In Years)
3	Kiran Christopher	Assistant Professor	Idea/Innovation Development	5

Name of Idea/Innovation/ Startup Mentored	Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
Replast Machine	Within	

Srno	Name of the Faculty	Designation of the Faculty	Mentor Expert Area	Years of Experience in Mentorship (In Years)
4	Georgina Binoy Joseph	Associate Professor	Idea/Innovation Development	14

Name of Idea/Innovation/ Startup Mentored	Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
LPG Mithram	Within	

Srno	Name of the Faculty	Designation of the Faculty	Mentor Expert Area	Years of Experience in Mentorship (In Years)
5	Deepa Mary Varghese	Assistant Professor	Idea/Innovation Development	4

Name of Idea/Innovation/ Startup Mentored	Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
Hybrid Locomotion Robot for Mine Detection and Survelliance	Within	

Srno	Name of the Faculty	Designation of the Faculty	Mentor Expert Area	Years of Experience in Mentorship (In Years)
6	Deepthi Thomas	Assistant Professor	Idea/Innovation Development	4

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

	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	Gyro Glove: The Hand Tremor Suppressor		Within	
7	Dhanya R	Assistant Professor	Idea/Innovation Development	3
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	Pipe-Bot		Within	
8	Swathy Satheesh	Assistant Professor	Idea/Innovation Development	3
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	Auto-bee Pollinator: An Autonomous Cross-Pollinator for Future Farming		Within	
9	Surej Rajan C	Assistant Professor	Idea/Innovation Development	7
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	Liter of Luminosity		Within	
10	Prof. Lathi Karthi	Professor	Idea/Innovation Development	19
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	Geopolymer concrete as a sustainable repair material		Within	
11	Dr. Vasudev R	Associate Professor	Idea/Innovation Development	13
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	-		Within	
12	Dr. Smitha K K	Associate Professor	Idea/Innovation Development	7
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	-		Within	
13	Ms. Anju Paul	Assistant Professor	Idea/Innovation Development	10
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	-		Within	
14	Ms.Tellma John	Assistant Professor	Idea/Innovation Development	3
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	Self-compacting concrete with plastic granules and alccofine		Within	

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

15	Dr. Jesna Anver	Associate Professor	Idea/Innovation Development	10
	Name of Idea/Innovation/ Startup Mentored		**Mentoring Setup [Within (or) Outside] HEI**	**CIN (in case it is Startup)**
	Sbox-Intelligent automobile blackbox		Within	
16	Dr. Sreela Sreedhar	Associate Professor	Idea/Innovation Development	10
	Name of Idea/Innovation/ Startup Mentored		**Mentoring Setup [Within (or) Outside] HEI**	**CIN (in case it is Startup)**
	Mobile Application Development For Water Resources Survey In Mulanthuruthy		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	Mr. Vishal .B. Kadam, Technical officer, Incubation, Kerala Startup Mission	Idea/Innovation Development,Entrepreneurship/Startup Development	Unstructured Mentorship
2	Mrs. Chandra vadana, CEO and chief mentor, Prayana Labs	Entrepreneurship/Startup Development	Unstructured Mentorship
3	Dr. KK Saju	Idea/Innovation Development	Unstructured Mentorship
4	Dr Anil Joseph	Idea/Innovation Development,IPR Protection & Commercialization	Unstructured Mentorship
5	Dr Abhilash S	Idea/Innovation Development	Unstructured Mentorship
6	Mr. Rakesh V	Idea/Innovation Development	Unstructured Mentorship
7	Dr. P Murali Krishna	Idea/Innovation Development	Unstructured Mentorship
8	Mr. Rajeeth P C	Idea/Innovation Development	Unstructured Mentorship
9	Ms Suchitra T K	Idea/Innovation Development	Unstructured Mentorship
10	Mr. Jibin Jose	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 | DEVELOPMENT OF REPLAST MACHINE | Product Innovation | Technological | IEDC | Student-Faculty | TRL 2 : Technology formulation. Concept and application have been formulated. | TRL 7 : Demonstration system operating in operational environment at pre-commercial scale. | Innovation Development Ongoing | No | No | Grant Amount in Rs 100000 | No | No |

Name	Type	Gender	Email	Contact
KIRAN CHRISTOPHER	Faculty	Male	kiranchris007@gmail.com	9995009994

Name	Type	Gender	Email	Contact
UNNIKRISHNAN	Student	Male	unnikrishnan661@gmail.com	8943029235

| 2 | HUMAN POWERED VEHICLE | Product Innovation | Technological | IEDC | Student-Faculty | TRL 2 : Technology formulation. Concept and application have been formulated. | TRL 2 : Technology formulation. Concept and application have been formulated. | Innovation Development Ongoing | No | No | No | No | No |

Name	Type	Gender	Email	Contact
NIDHEESH P	Faculty	Male	nidheeshrajp@gmail.com	7907234014

Name	Type	Gender	Email	Contact
ADITYA PRADEEP	Student	Male	adithyarpradeep@gmail.com	8921197938

| 3 | INNER HARBOUR WATERWHEEL | Product Innovation | Technol ogical | IEDC | Stude nt-Facul ty | TRL 2 : Tech nolog y formu lation . Conc ept and applic ation have been formu lated. | TRL 2 : Tech nolog y formu lation . Conc ept and applic ation have been formu lated. | Innovati on Develop ment Ongoing | No | No | No | No | No |

Name	Type	Gender	Email	Contact
ANOOF M S	Faculty	Male	anoofmx@gmail.com	9847932638

Name	Type	Gender	Email	Contact
JITHU JOJO	Student	Male	jithujijojithu@gmail.com	8281538004

| 4 | COCONUT ENDOSPERM EXTRUTION | Product Innovation | Technol ogical | IEDC | Stude nt-Facul ty | TRL 2 : Tech nolog y formu lation . Conc ept and applic ation have been formu lated. | TRL 2 : Tech nolog y formu lation . Conc ept and applic ation have been formu lated. | Innovati on Develop ment Ongoing | No | No | No | No | No |

Name	Type	Gender	Email	Contact
KIRAN CHRISTOPHER	Faculty	Male	kiranchris007@gmail.com	9995009994

Name	Type	Gender	Email	Contact
STEBIN BINOY	Student	Male	stebinbinoy11@gmail.com	8921960912

| 5 | SELF SUFFICIENT HOUSE(WATER PURIFICATION) | Product Innovation | Technol ogical | IEDC | Stude nt-Facul ty | TRL 2 : Tech nolog y formu lation . Conc ept and applic ation have been formu lated. | TRL 2 : Tech nolog y formu lation . Conc ept and applic ation have been formu lated. | Innovati on Develop ment Ongoing | No | No | No | No | No |

Name	Type	Gender	Email	Contact
CHRISTY PAUL	Faculty	Male	christypaul007@gmail.com	7356448054

Name	Type	Gender	Email	Contact
SALAS GABRIEL	Student	Male	salasgabrielvachakkal@gmail.com	8301014968

6	Pipe-bot	Product Innovation	Technological	IEDC	Student-Faculty	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	TRL 5 : Large scale prototype tested in intended environment.	Innovation Development Ongoing	No		No	Grant Amount in Rs 100000	No		No

Name	Type	Gender	Email	Contact
Dhanya R	Faculty	Female	dhanyabhi@tistcochin.edu.in	7028022916

Name	Type	Gender	Email	Contact
Chinnu P B	Student	Female	chinnupb99@gmail.com	9074909510

7	Design and Development of a Wearable Antenna for Non-invasive Glucose monitoring	Product Innovation	Technological	IEDC	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	Grant Amount in Rs 72500	No		No

Name	Type	Gender	Email	Contact
Sreelekshmi R	Faculty	Female	sreelekshmi@tistcochin.edu.in	8129050800

8	AI Based Smart Irrigation System	Product Innovation	Technological	IEDC	Faculty	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype).	Innovation Development Ongoing	No	No	Grant Amount in Rs 49000	No	No

Name		Type		Gender		Email		Contact
Neethu George		Faculty		Female		neetugeo@gmail.com		9745077080

9	Autobee Pollinator - An autonomous quadcopter for cross pollination for future farming	Product Innovation	Technological	IEDC	Student-Faculty	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype).	Innovation Development Completed	No	No	Grant Amount in Rs 25000	No	No

Name		Type		Gender		Email		Contact
Swathy Satheesh		Faculty		Female		swathys@tistcochin.edu.in		9497427070

Name		Type		Gender		Email		Contact
Sreeparvathy Vinod		Student		Female		sreeparvathyvinod19@gmail.com		8075564824

10	Gyro Glove: The Hand Tremor Suppressor	Product Innovation	Technological	IEDC	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	Grant Amount in Rs 17000	No	No

Name	Type	Gender	Email	Contact
Deepthi Thomas	Faculty	Female	deepthimary004@gmail.com	8281645690

Name	Type	Gender	Email	Contact
Shelsha Sheji	Student	Female	sweetshelsha12@gmail.com	8848476824

11	Hybrid Locomotion Robot for Mine Detection and Survelliance	Product Innovation	Technological	IEDC	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 Completed	No	No	Grant Amount in Rs 10000	No	No

Name	Type	Gender	Email	Contact
Deepa Mary Varghese	Faculty	Female	deepamary203@gmail.com	9747151341

Name	Type	Gender	Email	Contact
Arya P Devraj	Student	Female	aryapanatt.25@gmail.com	8156982123

12	Sbox-Intelligent automobile blackbox	Product Innovation	Technological	IEDC	Student-Faculty	TRL 2 : Technology formulation. Concept and application have been formulated.	TRL 7 : Demonstration system operating in operational environment at pre-commercial scale.	Innovation Development Completed	No	No	Grant Amount in Rs 13000	No	No

Name	Type	Gender	Email	Contact
Dr. Jesna Anver	Faculty	Female	jesnaanver@tistcochin.edu.in	8547203174

Name	Type	Gender	Email	Contact
Ceira Sara Cherian	Faculty	Female	ceiracherian@gmail.com	9633606615

13	Mobile Application Development For Water Resources Survey In Mulanthuruthy	Product Innovation	Technological	IEDC	Student-Faculty	TRL 2 : Technology formulation. Concept and application have been formulated.	TRL 6 : Prototype system tested in intended environment close to expected performance.	Innovation Adopted and Implemented at Ground	No	No	Grant Amount in Rs 70000	No	No

Name	Type	Gender	Email	Contact
Dr. Sreela Sreedhar	Faculty	Female	sreela@tistcochin.edu.in	9847749701

Name	Type	Gender	Email	Contact
Mr.Anuraj C.K	Faculty	Male	anurajck@gmail.com	9496335720

#	Title	Category	Type		Team	TRL Start	TRL Current	Status	IP Details				
14	ROBOTIC COT (ROT)	Product Innovation	Technological	IEDC	Student-Faculty	TRL 2 : Technology formulation. Concept and application have been formulated.	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype).	Innovation Development Ongoing	Agency Name: Srishti 2020 / Agency Type: Educational Institute / Award / Position / Recognition Secured: One out of top ten projects	No	No	No	No

Name	Type	Gender	Email	Contact
ANJALI S M	Student	Female	anjalisankarnivas@gmail.com	8547123971

Name	Type	Gender	Email	Contact
ANSU GEORGE	Student	Female	ansususygeorge@gmail.com	9207895142

#	Title	Category	Type		Team	TRL Start	TRL Current	Status	IP Details				
15	LITER OF LUMINOSITY	Product Innovation	Technological	IEDC	Student-Faculty	TRL 2 : Technology formulation. Concept and application have been formulated.	TRL 7 : Demonstration system operating in operational environment at pre-commercial scale.	Innovation Development Ongoing	No	No	Grant Amount in Rs: 100000	No	No

Name	Type	Gender	Email	Contact
SUREJ RAJAN C	Faculty	Male	surejrajan2020@gmail.com	9633018971

Name	Type	Gender	Email	Contact
GOPU PURISHOTHAM	Student	Male	gpgopu001@gmail.com	9497869662

| 16 | COCONUT BREAKER | Product Innovation | Technological | IEDC | Student-Faculty | TRL 2 : Technology formulation . Concept and application have been formulated. | TRL 2 : Technology formulation . Concept and application have been formulated. | Innovation Development Ongoing | No | No | No | No | No |

Name	Type	Gender	Email	Contact
ANOOF MS	Faculty	Male	anoofmx@gmail.com	9847932638

Name	Type	Gender	Email	Contact
JITHU JOJO	Student	Male	jithujijojithu@gmail.com	8281538004

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

Srno	Name of the Venture/Startup/SME Unit Established with the Support of HEI	Type of Innovation of Venture/Startup/SME Unit	Nature of Innovation	Name of the Pre-Incubation/Incubation Unit of HEI Supported Innovation Development	Venture Founded by	Venture Registerd as	Year of Registration	What is the current status of Pre-Incubation/Incubation Support to Venture/ Startup/ SME Unit as on 31st March 2020?	Had the Venture Received any Recognition at State, National, International Level Programs during the financial period 2019-20?	Had Centre/institute provided any Financial support (either own resource or fund received from agencies) in terms of Seed Grant/Fund Support to Venture establishment during the financial period 2019-20	Had the venture/startup raised any Seed fund/Angel Investment/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 venture /startup for the pre-incubation/incubation support and the services offered by Pre-incubation/incubation or institute during the financial period 2019-20	Has the Start-up Grown to a stage of Employment Generation to 10 Numbers or an annual Turnover to Rs. 50 Lakhs during the financial year 2019-20

1	Drakon Innovations Private Ltd. (Brainwired)	Product Innovation	Techno logical	6467	Stud ent	Venture with Corporate Identification Number (CIN) Registration	U72900KL2 020PTC061 393	2019 -20	Received Incubation Support from Incubation Unit	Agency Name	Agri India Hackathon	No		Loan/Investment Agency Name	Kerala Start Up Mission	No	No
										Agency Type	Govt. Agency (Central)			Agency Type	Kerala Start Up Mission		
											First Prize			Total Loan/Angel Investment/VC Fund raised by Start-up during the period of pre-incubation/incuba tion support at your Pre-incubation/incuba tion or institute financial period 2019-20 (in Rupees)	Kerala Start Up Mission		
										Award / Position / Recognition Secured				Date of Investment Raised	Kerala Start Up Mission		

Name	DIN number	Type	Gender	Email	Contact
Jerard Payyappilly Romeo	08685212	Student	Male	romeo.jerard@brainwired.in	9746187635
Sreeshankar Sreenivasan Nair	08748531	Student	Male	sreeshankar.nair@brainwired.in	9995299132

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	Unnat Bharat Abhiyan	Govt. Agency (Central)	Providing (or) Receiving Mentor and Handholding Support to Support I&E Activities	Seed fund	3	21-08-2019
2	Kerala State Council for Science, Technology and Environment (KSCSTE)	Govt. Agency (State)	Providing (or) Receiving Mentor and Handholding Support to Support I&E Activities	Seed fund	4	16-01-2020
3	Center for Engineering Research and Development CERD, APJAKTU	Govt. Agency (State)	Providing (or) Receiving Mentor and Handholding Support to Support I&E Activities	Seed fund	3	06-02-2020
4	Pradhan Mantri Awaz Yojana PMAY	Govt. Agency (Central)	Providing (or) Receiving Mentor and Handholding Support to Support I&E Activities	Networking	3	01-07-2019
5	Rebuild Kerala	Govt. Agency (State)	Providing (or) Receiving Mentor and Handholding Support to Support I&E Activities	Mentoring,Networking	3	28-11-2019
6	Amballoor panchayath	Govt. Agency (State)	Providing (or) Receiving Mentor and Handholding Support to Support I&E Activities	Mentoring,Networking	3	10-01-2020
7	Piravom municipality	Govt. Agency (State)	Providing (or) Receiving Mentor and Handholding Support to Support I&E Activities	Networking	6	30-11-2019
8	CADD Center	Educational Institute	Providing (or) Receiving Mentor and Handholding Support to Support I&E Activities	Mentoring,Networking	4	01-07-2019

9	Cafetinnova society	Corporate / Industry Association	Providing (or) Receiving Mentor and Handholding Support to Support I&E Activities	Mentoring	3	01-07-2019
10	BRcorps	Corporate / Industry Association	Providing (or) Receiving Mentor and Handholding Support to Support I&E Activities	Mentoring	2	01-07-2019
11	Maradu municipality	Govt. Agency (State)	Providing (or) Receiving Mentor and Handholding Support to Support I&E Activities	Networking	3	17-06-2020
12	L&T SWITCHGEARS PVT. LTD., COONOOR	Corporate / Industry Association	Providing (or) Receiving Mentor and Handholding Support to Support I&E Activities	Mentoring	2	30-05-2019
13	Advanced Centre for Atmospheric Radar Research, CUSAT, Kochi	Govt. Agency (State)	Providing (or) Receiving Mentor and Handholding Support to Support I&E Activities	Mentoring	4	19-08-2019
14	Naval Physical Oceanographic Laboratory (NPOL), Kochi	Govt. Agency (Central)	Providing (or) Receiving Mentor and Handholding Support to Support I&E Activities	Mentoring	1	08-07-2019
15	NeST Technologies, Kochi, Kerala	Corporate / Industry Association	Providing (or) Receiving Mentor and Handholding Support to Support I&E Activities	Mentoring	1	29-07-2019
16	Robert Bosch, Coimbatore	Corporate / Industry Association	Providing (or) Receiving Mentor and Handholding Support to Support I&E Activities	Mentoring	1	08-07-2019
17	Additional Skill Acquisition Programme,Higher Education Department, Govt. of Kerala	Govt. Agency (State)	Collaboration with Startups/Industry Associations/Knowledge Agencies to Promote I&E Activities and/or Internship Opportunities	Mentoring	23	01-07-2019
18	Federal Academy for Cyber Education (FACE),Accredited Training Centre of C-DAC,Cochin	Corporate / Industry Association	Collaboration with Startups/Industry Associations/Knowledge Agencies to Promote I&E Activities and/or Internship Opportunities	Mentoring	5	22-10-2019
19	RedHat India Private Ltd.,Mumbai	Corporate / Industry Association	Collaboration with Startups/Industry Associations/Knowledge Agencies to Promote I&E Activities and/or Internship Opportunities	Mentoring	8	01-07-2019
20	Technolodge (Rural IT Park), Piravom	Corporate / Industry Association	Collaboration with Startups/Industry Associations/Knowledge Agencies to Promote I&E Activities and/or Internship Opportunities	Mentoring	52	01-07-2019
21	Machine Intelligence Research Lab (MIR Labs) -USA	International Agencies	Collaboration with Startups/Industry Associations/Knowledge Agencies to Promote I&E Activities and/or Internship Opportunities	Mentoring	1	01-07-2019
22	KBA Innovation Club	Govt. Agency (State)	Providing (or) Receiving Mentor and Handholding Support to Support I&E Activities	Mentoring	2	30-10-2019
23	ICFOSS	Govt. Agency (State)	Providing (or) Receiving Mentor and Handholding Support to Support I&E Activities	Investment	1	21-04-2020

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

No Data Flled!

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

No Data Flled!

Section 8 > v : List the IPs hold by the Innovation teams/Startups Incubated at the Pre-incubation/incubation Unit of the HEI

No Data Flled!

Section 8 > vi : List the IP Commercialized/Transferred Published & Granted to HEI as Co-applicant/Co-owner

Srno	Name of Technology Licenced /	Technology Type	Type of Transfer	Patent / Licence Number	Patent / Licence Holder	Centre / Department of Origin of	Licence Transferred to	Had institute spent expenses either from own resource/received fund to	Total Annual Income Received

Section 8 > vi : List the IP Commercialized/Transferred Published & Granted to HEI as Co-applicant/Co-owner

	Transferred / Commercialized					Licence			organise the program/activity/event?	from Technology Transfer/Licensing (In Rupees)
1	High Power Diode Pumped Nd:YAG Laser with frequency doubled output	Non-IP/Non-Patented Technology	One-time transfer/Licensing	DST/TSG/ME/2011/38, 2016	**Patent/Licence Holder name (Institute Co-ownership is Must):** Holmarc Opto-Mechatronics P Limited, Toc H Institute of Science and Technology **Contact number of license holder:** 04842748388 **Email of Licence holder:** principal@tistcochin.edu.in **Gender:** Female	Department of Electronics	**Licence Transferred to:** Industry **Name of Industry/Start-up/Agency Received License/Technology:** Holmarc Opto-Mechatronics P Limited **Address of Agency:** B-7, HMT Industrial Estate, HMT Colony PO, Kochi - 683503 **Contact Number of Agency:** 04842540075 **Email of Agency:** mail@holmarc.com		No	---

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. Preethi Thekkath (Head of Institute) and Dr. Georgina Binoy Joseph (Nodal Officer) jointly declaring on behalf of our institute is that all the information submitted are true and correct to best of our knowledge.
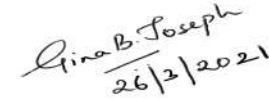
Thank you

<table>
<tr><td>The Head of Institute</td><td>Nodal officer</td></tr>
<tr><td>Dr. Preethi Thekkath
Head of the Institution,
Ernakulam, Kerala</td><td>Dr. Georgina Binoy Joseph
Nodal Officer,
Ernakulam, Kerala</td></tr>
</table>