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

Institute Name: PANIMALAR ENGINEERING COLLEGE [ARI-C-16620]

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	Mechanical Engineering	Academic Department with lab facility	Engineering and Technology	UG / PG / PhD	Technical	1248	72	10
2	Centre for Excellence in NVH and NDT	Incubation Unit	Engineering and Technology	UG / PG / PhD	Technical	60	6	1
3	Computer Science and Engineering	Academic Department with lab facility	Engineering and Technology	UG / PG / PhD	Technical	961	60	12
4	Institute Innovation Council	Pre-incubation unit	Engineering and Technology	UG / PG / PhD	Technical	4500	300	12
5	Eyanthra Robotics Process Automation Lab	Research Unit / Park	Engineering and Technology	UG / PG / PhD	Technical	20	4	1
6	IOT LAB	Pre-incubation unit	Engineering and Technology	UG / PG / PhD	Technical	40	6	2
7	Cloud Bull	IPR Cell / Patent Facilitation Unit / Technology Transfer Centre	Engineering and Technology	UG / PG / PhD	Technical	40	6	2
8	Electronics and Communication Engineering	Academic Department with lab facility	Engineering and Technology	UG / PG / PhD	Technical	999	54	11
9	Internet of Things Lab	Incubation Unit	Engineering and Technology	UG / PG / PhD	Technical	409	10	1
10	Research and Development Cell	Research Unit / Park	Engineering and Technology	UG / PG / PhD	Technical	271	4	1
11	Solar Novina	Incubation Unit	Engineering and Technology	UG / PG / PhD	Technical	57	6	1
12	Entrepreneurship Development Cell	Incubation Unit	Engineering and Technology	UG / PG / PhD	Technical	500	25	4
13	Electronics and Instrumentation Engineering	Academic Department with lab facility	Engineering and Technology	UG / PG / PhD	Technical	339	23	5
14	Information Technology	Academic Department with lab facility	Engineering and Technology	UG / PG / PhD	Technical	558	28	7

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

15	Electrical and Electronics Engineering	Academic Department with lab facility	Engineering and Technology	UG / PG / PhD	Technical	587	29	10
16	Civil Engineering	Academic Department with lab facility	Engineering and Technology	UG / PG / PhD	Technical	484	36	7
17	Science and Humanities	Academic Department with lab facility	Engineering and Technology	UG / PG / PhD	Technical	1488	86	6
18	Master of Business Administration	Academic Department with lab facility	Management Studies	UG / PG / PhD	Non-Technical	166	20	1
19	M.E - Computer Science and Engineering	Academic Department with lab facility	Engineering and Technology	UG / PG / PhD	Technical	29	5	2
20	M.E. Communication Systems	Academic Department with lab facility	Engineering and Technology	UG / PG / PhD	Technical	15	5	1
21	Research Park	Research Unit / Park	Engineering and Technology	UG / PG / PhD	Technical	2000	360	1

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 : IC201810902
Trained Innovation Ambassadors at HEI	YES	Not Required
Participation in Smart India Hackathon (SIH)	Yes	Not Required
Facilitated listing start-ups/ technologies in Young India combating COVID with Knowledge, Technology and Innovation (YUKTI 2.0) portal of MIC	No	Not Required
Participation in National Education Alliance of Technology (NEAT)	Yes	Not Required

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	Workshop on PCB Design	Innovation	Workshop	Institute Lead Activity	Electrical and Electronics Engineering	25-11-2019 00:00:00	28-11-2019 00:00:00	4	Within Campus	48	0	0	0	48	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) 40800	No

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

2	Basic Electrical Design Maintenance Engineer Program	Innovation	Skill development	Institute Lead Activity	Electrical and Electronics Engineering	27-11-2019 00:00:00	28-11-2019 00:00:00	2	Within Campus	46	0	0	0	46	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) 20000	No
3	Industrial Automation Training in PLC /SCADA	Innovation	Training	Institute Lead Activity	Electrical and Electronics Engineering	25-11-2019 00:00:00	26-11-2019 00:00:00	2	Within Campus	54	0	0	0	54	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) 20000	No
4	Solar Energy based Photovoltaic power system - Assembly & Installation	Innovation	Skill development	Institute Lead Activity	Electrical and Electronics Engineering	14-06-2019 00:00:00	14-06-2019 00:00:00	1	Within Campus	41	0	0	0	41	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) 13500	No
5	PCB Designing	Innovation	Workshop	Institute Lead Activity	Electrical and Electronics Engineering	10-06-2019 00:00:00	13-06-2019 00:00:00	4	Within Campus	46	0	0	0	46	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) 40800	No
6	Ideathon	Innovation	Ideation	Institute Lead Activity	Computer Science and Engineering	30-09-2019 00:00:00	01-10-2019 00:00:00	2	Within Campus	50	10	0	0	60	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) 5000	No
7	Seminar on Entrepreneur – An Introduction	Entrepreneurship/Startup	Seminar	Institute Lead Activity	Computer Science and Engineering	25-09-2019 00:00:00	25-09-2019 00:00:00	1	Within Campus	103	0	0	0	103	No	No
8	Seminar on Artificial Intelligence	Innovation	Seminar	Institute Lead Activity	Computer Science and Engineering	26-09-2019 00:00:00	26-09-2019 00:00:00	1	Within Campus	86	0	0	0	86	No	No
9	Passport to Future	Innovation	Seminar	Institute Lead Activity	Computer Science and Engineering	30-09-2019 00:00:00	30-09-2019 00:00:00	1	Within Campus	2230	197	315	0	2742	No	No

10	Workshop on Problem Solving/Design Thinking/Ideation Workshop/Campus Hackathon	Innovation	Workshop	Institute Lead Activity	Computer Science and Engineering	01-12-2019 00:00:00	01-12-2019 00:00:00	1	Within Campus	1556	23	0	0	1579	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) 2230	No
11	Workshop on Entrepreneurship and Innovation as Career Opportunity	Innovation	Workshop	Institute Lead Activity	Computer Science and Engineering	25-09-2019 00:00:00	25-09-2019 00:00:00	1	Within Campus	109	0	0	0	109	No	No
12	NEAT Logo Contest	Innovation	Innovation Contest	Institute Lead Activity	Computer Science and Engineering	01-10-2019 00:00:00	01-10-2019 00:00:00	1	Within Campus	5	2	0	0	7	No	No
13	Workshop on Design Thinking, Business Plan and Branding	Innovation	Workshop	Institute Lead Activity	Computer Science and Engineering	01-11-2019 00:00:00	01-11-2019 00:00:00	1	Within Campus	586	21	0	0	607	No	No
14	Rendezvous with Lori Beer	Innovation	Seminar	Institute Lead Activity	Computer Science and Engineering	05-11-2019 00:00:00	05-11-2019 00:00:00	1	Within Campus	87	8	0	0	95	No	No
15	Field/Exposure Visit to Design Centre/Makers' Space/Fab Lab/Prototype Lab/Tinkering Lab	Innovation	Exposure visit	Institute Lead Activity	Computer Science and Engineering	02-12-2019 00:00:00	02-12-2019 00:00:00	1	Within Campus	589	16	8	0	613	No	No
16	Workshop on Product Design/Design Thinking	Innovation	Workshop	Institute Lead Activity	Computer Science and Engineering	03-12-2019 00:00:00	03-12-2019 00:00:00	1	Within Campus	148	7	0	0	155	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) 7500	No
17	Problem Solving using C & Python	Innovation	Workshop	Institute Lead Activity	Computer Science and Engineering	16-12-2019 00:00:00	16-12-2019 00:00:00	1	Within Campus	28	3	0	0	31	No	No

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

18	Seminar on how to workshop /Seminar/ Call for Paper presentation on Innovation/Social Innovation & Entrepreneurship	Innovation	Seminar	Institute Lead Activity	Computer Science and Engineering	18-12-2019 00:00:00	18-12-2019 00:00:00	1	Within Campus	84	6	0	0	90	No	No
19	Workshop on National Innovation and Start-up Policy (NISP)	Innovation	Workshop	Institute Lead Activity	Computer Science and Engineering	03-01-2020 00:00:00	03-01-2020 00:00:00	1	Within Campus	1860	72	0	0	1932	No	No
20	Way Ahead for Women in Entrepreneurship	Innovation	Awareness	Institute Lead Activity	Computer Science and Engineering	07-01-2020 00:00:00	07-01-2020 00:00:00	1	Within Campus	88	5	0	0	93	No	No
21	Demo Day – Exhibition Cum Demo for PoCs & Mentorship Session for Innovators (or) Student Entrepreneurs	Innovation	Demo Day	Institute Lead Activity	Computer Science and Engineering	08-01-2020 00:00:00	08-01-2020 00:00:00	1	Within Campus	112	10	0	0	122	No	No
22	Session on How to plan for Start-up and legal and Ethical Steps	Innovation	Seminar	Institute Lead Activity	Computer Science and Engineering	04-02-2020 00:00:00	04-02-2020 00:00:00	1	Within Campus	129	7	0	0	136	No	No

23	Awareness/Mentoring Session on IPR & IP Management for Innovation and Start-ups or Online Session on Intellectual Property (IP) Management at Early Stage of Innovation and Start-ups	Innovation	Awareness	Institute Lead Activity	Computer Science and Engineering	04-02-2020 00:00:00	04-02-2020 00:00:00	1	Within Campus	129	7	0	0	136	No	No
24	Field/Exposure Visit to Incubation Unit/Patent Facilitation Centre/Technology Transfer Centre	Innovation	Exposure visit	Institute Lead Activity	Computer Science and Engineering	05-02-2020 00:00:00	05-02-2020 00:00:00	1	Within Campus	129	6	0	0	135	No	No
25	Workshop on Business Model Canvas (BMC) and (or) Business Plan Competition to Invite Innovative Business Models from Students	Innovation	Workshop	Institute Lead Activity	Computer Science and Engineering	03-03-2020 00:00:00	03-03-2020 00:00:00	1	Within Campus	1560	86	550	0	2196	No	No
26	Innovation Day Campaign	Innovation	Seminar	Institute Lead Activity	Computer Science and Engineering	10-10-2019 00:00:00	15-10-2019 00:00:00	6	Within Campus	3788	211	0	0	3999	No	No
27	Linux Workshop	Innovation	Workshop	Institute Lead Activity	Computer Science and Engineering	23-08-2019 00:00:00	23-08-2019 00:00:00	1	Within Campus	0	11	0	0	11	No	No

28	R Workshop	Innovation	Workshop	Institute Lead Activity	Computer Science and Engineering	09-11-2019 00:00:00	09-11-2019 00:00:00	1	Within Campus	0	16	0	0	16	No	No
29	C and C++ Workshop	Innovation	Workshop	Institute Lead Activity	Computer Science and Engineering	29-02-2020 00:00:00	29-02-2020 00:00:00	1	Within Campus	0	14	0	0	14	No	No
30	VISIT TO HOLLOW BLOCK INDUSTRY	Entrepreneurship/ Startup	Exposure visit	Student Lead Activity	CIVIL ENGINEERING	19-07-2019 00:00:00	19-07-2019 00:00:00	1	Outside Campus	140	4	0	0	144	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) 10000	No
31	ORIENTATION PROGRAM ON CURRENT TRENDS IN CIVIL ENGINEERING	Innovation	Orientation Session	Student Lead Activity	CIVIL ENGINEERING	21-08-2019 00:00:00	21-08-2019 00:00:00	1	Within Campus	90	2	0	0	92	No	No
32	MH Progressive Skills	Entrepreneurship/ Startup	Exposure visit	Institute Lead Activity	Mechanical Engineering	26-02-2020 00:00:00	26-02-2020 00:00:00	1	Outside Campus	140	4	0	0	144	No	No
33	MH Progressive Skills	Entrepreneurship/ Startup	Exposure visit	Institute Lead Activity	Mechanical Engineering	27-02-2020 00:00:00	27-02-2020 00:00:00	1	Outside Campus	140	4	0	0	144	No	No
34	MH Progressive Skills	Entrepreneurship/ Startup	Exposure visit	Institute Lead Activity	Mechanical Engineering	28-02-2020 00:00:00	28-02-2020 00:00:00	1	Outside Campus	140	4	0	0	144	No	No
35	Workshop on "Advanced study on Video and Audio Processsing, Compression and Transcoding"	Innovation	Workshop	Institute Lead Activity	Electronics and Communication Engineering	10-06-2019 00:00:00	12-06-2019 00:00:00	3	Within Campus	55	0	0	0	55	No	No
36	Two Week Workshop on "Advanced C & C++ Programming"	Innovation	Workshop	Institute Lead Activity	Electronics and Communication Engineering	17-06-2019 00:00:00	28-06-2019 00:00:00	12	Within Campus	66	0	0	0	66	No	No

37	Worksho p on Arduino with IOT	Innovatio n	Worksho p	Institute Lead Activity	Electroni cs and Communi cation Engineeri ng	24-06-20 19 00:00:00	28-06-20 19 00:00:00	5	Within Campus	48	0	0	0	48	No	No
38	Worksho p on "DATA SCIENC E WITH PYTHON "	Innovatio n	Worksho p	Institute Lead Activity	Electroni cs and Communi cation Engineeri ng	13-08-20 19 00:00:00	14-08-20 19 00:00:00	2	Within Campus	64	0	0	0	64	No	No
39	Training on cell phone Servicing (19.8)	Entrepre neurship/ Startup	Worksho p	Institute Lead Activity	Electroni cs and Communi cation Engineeri ng	19-08-20 19 00:00:00	20-08-20 19 00:00:00	2	Within Campus	87	0	0	0	87	No	No
40	Training on cell phone Servicing (21.8)	Entrepre neurship/ Startup	Worksho p	Institute Lead Activity	Electroni cs and Communi cation Engineeri ng	21-08-20 19 00:00:00	22-08-20 19 00:00:00	2	Within Campus	68	0	0	0	68	No	No
41	Technical Training on "Full Stack Develop ment using DotNet	Innovatio n	Worksho p	Institute Lead Activity	Electroni cs and Communi cation Engineeri ng	23-09-20 19 00:00:00	25-09-20 19 00:00:00	3	Within Campus	36	0	0	0	36	No	No
42	Training on DOTNET Windows Applicatio n Develope r (Level - 1)	Innovatio n	Training	Institute Lead Activity	Electroni cs and Communi cation Engineeri ng	25-11-20 19 00:00:00	29-11-20 19 00:00:00	5	Within Campus	45	0	0	0	45	No	No
43	Worksho p on PCB design using KiCAD	Entrepre neurship/ Startup	Training	Institute Lead Activity	Electroni cs and Communi cation Engineeri ng	29-11-20 19 00:00:00	03-12-20 19 00:00:00	5	Within Campus	26	0	0	0	26	No	No
44	Training on Deep Learning with IoT: Practical Tools & Techniqu es	Innovatio n	Training	Institute Lead Activity	Electroni cs and Communi cation Engineeri ng	02-12-20 19 00:00:00	06-12-20 19 00:00:00	5	Within Campus	43	0	0	0	43	No	No
45	Worksho p on PCB design using KiCAD	Entrepre neurship/ Startup	Training	Institute Lead Activity	Electroni cs and Communi cation Engineeri ng	04-12-20 19 00:00:00	06-12-20 19 00:00:00	3	Within Campus	32	0	0	0	32	No	No

46	Workshop on Big Data Analytics	Innovation	Workshop	Institute Lead Activity	M.E. CSE	26-09-2019 00:00:00	27-09-2019 00:00:00	2	Within Campus	30	10	0	0	40	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) 16000	No
47	INTERNATIONAL CONFERENCE FOR PHOENIXES ON EMERGING CURRENT TRENDS IN ENGINEERING AND MANAGEMENT	Innovation	Conference	Institute Lead Activity	M.E. CSE	06-03-2020 00:00:00	07-03-2020 00:00:00	2	Within Campus	300	50	200	100	650	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) 1098828	No
48	Science Bazaar	Innovation	Innovation Contest	Institute Lead Activity	M.E. CSE	06-03-2020 00:00:00	07-03-2020 00:00:00	2	Within Campus	2000	0	600	0	2600	No	No
49	Internship-Java Programming	Entrepreneurship/Startup	Training	Student Lead Activity	Information Technology	24-06-2019 00:00:00	28-06-2019 00:00:00	5	Within Campus	30	0	0	0	30	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) 30000	No
50	Internship-Android App Delvelopment	Entrepreneurship/Startup	Training	Student Lead Activity	Information Technology	24-06-2019 00:00:00	28-06-2019 00:00:00	5	Within Campus	30	0	0	0	30	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) 30000	No
51	Winter Training Program-Problem Solving Using C and Python	Entrepreneurship/Startup	Training	Student Lead Activity	Information Technology	25-11-2019 00:00:00	29-11-2019 00:00:00	5	Within Campus	19	0	0	0	19	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) 14250	No
52	Winter Training Program-Cyber Security	Entrepreneurship/Startup	Training	Student Lead Activity	Information Technology	25-11-2019 00:00:00	29-11-2019 00:00:00	5	Within Campus	11	0	0	0	11	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) 16500	No

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

53	Workshop on Arduino Development	Entrepreneurship/Startup	Workshop	Institute Lead Activity	Information Technology	30-09-2019 00:00:00	30-09-2019 00:00:00	1	Within Campus	20	0	0	0	20	No	No
54	Workshop on Machine Learning	Entrepreneurship/Startup	Workshop	Institute Lead Activity	Information Technology	03-10-2019 00:00:00	03-10-2019 00:00:00	1	Within Campus	30	0	0	0	30	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

Srno	Name of Program (Full Name)	Program Theme	Program Type	Organizing Agency / Institute Name	Organizing Agency Type	Program Start Date	Program End Date	Program Duration(in Days)	Participants (Students)	Participants (Faculty)	Total Number of Participants	Awards/Recognitions/Achievements	Award / Position / Recognition Secured	Title of Innovation / Start-up Secured the Award / Recognition	Had institute spent expenses either from own resource/ received fund towards sending delegation to participate / represent the activity /event?	Did any of the participants received any awards/recognition for startup / innovation ideas / research
1	ATM SECURITY MANAGEMENT SYSTEM	Innovation	Innovation Contest	SCIENCE BAZAAR-WHD, PANIMALAR ENGINEERING COLLEGE	Non-Govt. Agencies	06-03-2020 00:00:00	06-03-2020 00:00:00	1	2	0	2	No	---	---	No	No
2	Grid automation and smart grid workshop	Innovation	Seminar	College of engineering Guindy,Anna university , Chennai	Educational Institute	05-03-2020 00:00:00	07-03-2020 00:00:00	3	1	0	1	No	---	---	No	No
3	State Load Despatch Centre,TANTRANSCO,CHENNAI	Innovation	Seminar	Tamilnadu Transmission Corporation Limited	Govt. Agency (State)	16-12-2019 00:00:00	20-12-2019 00:00:00	5	1	0	1	No	---	---	No	No
4	ADVANCED IMAGE AND VIDEO PROCESSING USING COMPUTER VISION (OPEN CV)	Innovation	Workshop	ST.JOSEPH INSTITUTE OF TECHNOLOGY	Educational Institute	09-12-2019 00:00:00	11-12-2019 00:00:00	3	1	0	1	No	---	---	No	No

5	INDUSTRY 4.0	Innovation	Training	TVS TRAININGS AND SERVICE	Non-Govt. Agencies	09-12-2019 00:00:00	17-12-2019 00:00:00	9	2	0	2	No	---	---	No	No
6	PCB designing	Innovation	Training	Crystal clear technology and innovations	Non-Govt. Agencies	25-11-2019 00:00:00	28-11-2019 00:00:00	4	6	0	6	No	---	---	No	No
7	Demystification Internet of Things	Innovation	Seminar	Meenakshi Sundarajan Engineering college	Educational Institute	20-11-2019 00:00:00	20-11-2019 00:00:00	1	1	0	1	No	---	---	No	No
8	DESIGN AND IMPLEMENTATION OF SOLAR PV SYSTEM	Innovation	Training	TAMILNADU ADVANCED TECHNICAL TRAINING INSTITUTE	Govt. Agency (State)	19-11-2019 00:00:00	20-11-2019 00:00:00	2	1	0	1	No	---	---	No	No
9	WORKSHOP IN IOT WITH RASPBEERY PI	Innovation	Training	PANTECH	Non-Govt. Agencies	16-11-2019 00:00:00	17-11-2019 00:00:00	2	1	0	1	No	---	---	No	No
10	One workshop in Programmable logic controllers	Innovation	Workshop	IEEE Madras Section	Non-Govt. Agencies	05-10-2019 00:00:00	05-10-2019 00:00:00	1	1	0	1	No	---	---	No	No
11	Programmable logic controller	Innovation	Workshop	IEEE TEMS	Non-Govt. Agencies	05-10-2019 00:00:00	05-10-2019 00:00:00	1	1	0	1	No	---	---	No	No
12	Workshop on E-Vehicles and Hybrid Vehicles	Innovation	Workshop	SSN College of Engineering	Educational Institute	14-09-2019 00:00:00	14-09-2019 00:00:00	1	12	0	12	No	---	---	No	No
13	Electric Vehicle	Innovation	Workshop	DIY Guru,MHRD	Govt. Agency (State)	01-09-2019 00:00:00	06-09-2019 00:00:00	6	1	0	1	No	---	---	No	No
14	Future energy (solar energy)	Innovation	Workshop	Chennai institute of technology	Educational Institute	16-08-2019 00:00:00	16-08-2019 00:00:00	1	1	0	1	No	---	---	No	No

15	SUMMIT ON SMART CITY SMART NATION AND SMART WORLD 2019	Innovation	Workshop	ST.JOSEPH COLLEGE OF ENGINEERING	Educational Institute	02-08-2019 00:00:00	03-08-2019 00:00:00	2	4	0	4	No	---	---	No	No
16	SOLAR WORKSHOP - HANDS ON TRAINING	Innovation	Training	CRYSTAL TECHNOLOGIES	Non-Govt. Agencies	14-06-2019 00:00:00	14-06-2019 00:00:00	1	2	0	2	No	---	---	No	No
17	Industry practice based proficiency workshop	Innovation	Workshop	Gemco renewable energy training institute	Non-Govt. Agencies	14-06-2019 00:00:00	14-06-2019 00:00:00	1	1	0	1	No	---	---	No	No
18	PCB DESIGNING	Innovation	Workshop	PANTECH	Non-Govt. Agencies	10-06-2019 00:00:00	13-06-2019 00:00:00	4	1	0	1	No	---	---	No	No
19	PCB DESIGNING-WORKSHOP	Innovation	Workshop	CRYSTAL TECHNOLOGIES	Non-Govt. Agencies	10-06-2019 00:00:00	13-06-2019 00:00:00	4	11	0	11	No	---	---	No	No
20	ROBOTICS WORKSHOP	Innovation	Workshop	SIEMENS	Non-Govt. Agencies	03-06-2019 00:00:00	09-06-2019 00:00:00	7	1	0	1	No	---	---	No	No
21	WORKSHOP IN ROBOTICS - SEIMENS	Innovation	Workshop	MADRAS INSTITUTE OF TECHNOLOGY, CHENNAI	Educational Institute	03-06-2019 00:00:00	10-06-2019 00:00:00	8	1	0	1	No	---	---	No	No
22	E-Cell Leader workshop	Entrepreneurship/Startup	Workshop	CED Anna University and EDII Tamilnadu	Educational Institute	01-08-2019 00:00:00	01-08-2019 00:00:00	1	2	0	2	No	---	---	No	No
23	India First Leadership Talk Series	Innovation	Seminar	HRD Minister Shri Ramesh Pokhriyal Nishank	Govt. Agency (Central)	22-08-2019 00:00:00	22-08-2019 00:00:00	1	57	0	57	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

24	7th Go Kart Design Challenge	Innovation	Innovation Contest	KARI MOTORS SPEEDWAY, COIMBATORE	Non-Govt. Agencies	10-02-2020 00:00:00	14-02-2020 00:00:00	5	46	1	47	Yes	First Place,Medal and Shield	WINNING SKIPAD RACING , AWARD BEST DRIVER	No	

Award / Position / Recognition Secured	First Place,Medal and Shield
Title of Innovation / Start-up Secured the Award / Recognition	WINNING SKIPAD RACING , AWARD BEST DRIVER
Award/Recognition/Achievement Received for	Idea/Innovation/Prototype

25	BFKTC Session-3	Innovation	Innovation Contest	KARI MOTORS SPEEDWAY, COIMBATORE	Non-Govt. Agencies	10-09-2019 00:00:00	13-09-2019 00:00:00	4	33	0	33	No	---	---	No	No
26	VECHICLE BUILDING	Innovation	Seminar	CHENNAI INSTITUTE OF TECHNOLOGY,Chennai	Educational Institute	13-09-2019 00:00:00	13-09-2019 00:00:00	1	3	0	3	No	---	---	No	No
27	KUKA-INDUSTRIAL ROBOTICS TRAINING CENTRE	Innovation	Workshop	CHENNAI INSTITUTE OF TECHNOLOGY,Chennai	Educational Institute	13-09-2019 00:00:00	13-09-2019 00:00:00	1	1	0	1	No	---	---	No	No
28	Fixture Design to avoid Spacer fall down inside the Clutch Housing	Innovation	Ideation	HYUNDAI MOTOR INDIA LIMITED	Corporate / Industry Association	22-09-2019 00:00:00	22-09-2019 00:00:00	1	1	0	1	No	---	---	No	No
29	POWERING THE ELECTRIC CARS WITH DYNAMICS	Innovation	Seminar	GRT INSTITUTE OF ENGINEERING AND TECHNOLOGY	Educational Institute	14-09-2019 00:00:00	14-09-2019 00:00:00	1	1	0	1	No	---	---	No	No
30	NANOMATERIALS AND THEIR APPLICATIONS	Innovation	Workshop	SSN COLLEGE OF ENGINEERING	Educational Institute	23-01-2020 00:00:00	23-01-2020 00:00:00	1	3	0	3	No	---	---	No	No
31	AUTOMOTIVE STYLING	Innovation	Workshop	CEG,GUINDY	Educational Institute	12-02-2020 00:00:00	16-02-2020 00:00:00	5	4	0	4	No	---	---	No	No

32	ELECTRIC VEHICLES	Innovation	Workshop	CEG,GUINDY	Educational Institute	12-02-2020 00:00:00	16-02-2020 00:00:00	5	4	0	4	No	---	---	No	No
33	HAPTIC ROBOTIC ARM	Innovation	Workshop	CEG,GUINDY	Educational Institute	14-02-2020 00:00:00	15-02-2020 00:00:00	2	1	0	1	No	---	---	No	No
34	IoT with Cloud computing	Innovation	Workshop	CODE BIND Technologies	Corporate / Industry Association	23-05-2019 00:00:00	28-05-2019 00:00:00	6	23	0	23	No	---	---	TotalTotal Expense Amount Incurred by Institute? (In Rupees) 5000	No
35	Industrial Robotics Training	Innovation	Workshop	AGIIT	Corporate / Industry Association	27-05-2019 00:00:00	31-05-2019 00:00:00	5	14	0	14	No	---	---	TotalTotal Expense Amount Incurred by Institute? (In Rupees) 4000	No
36	Industrial Robotics Training	Innovation	Workshop	AGIIT	Corporate / Industry Association	03-06-2019 00:00:00	07-06-2019 00:00:00	5	9	0	9	No	---	---	TotalTotal Expense Amount Incurred by Institute? (In Rupees) 6000	No
37	Internship on RF and Optical Communication	Innovation	Workshop	BSNL,RGMTTC	Govt. Agency (Central)	03-06-2019 00:00:00	19-06-2019 00:00:00	17	11	0	11	No	---	---	TotalTotal Expense Amount Incurred by Institute? (In Rupees) 4000	No
38	EMBEDDED SYSTEMS	Innovation	Workshop	CODE BIND Technologies	Corporate / Industry Association	27-05-2019 00:00:00	29-05-2019 00:00:00	3	37	0	37	No	---	---	TotalTotal Expense Amount Incurred by Institute? (In Rupees) 5000	No
39	TELECCOM SYSTEMS	Innovation	Workshop	BSNL,RGMTTC	Govt. Agency (Central)	10-06-2019 00:00:00	14-06-2019 00:00:00	5	59	0	59	No	---	---	TotalTotal Expense Amount Incurred by Institute? (In Rupees) 4000	No
40	MICROCONTROLLER AND ITS APPLICATIONS	Innovation	Workshop	TVS Training and Services	Corporate / Industry Association	03-06-2019 00:00:00	07-06-2019 00:00:00	5	17	0	17	No	---	---	TotalTotal Expense Amount Incurred by Institute? (In Rupees) 5000	No

41	Inplant training on IoT with Cloud Computing	Innovation	Training	CODE BIND Technologies	Corporate / Industry Association	25-11-2019 00:00:00	29-11-2019 00:00:00	5	23	0	23	No	---	---	TotalTotal Expense Amount Incurred by Institute? (In Rupees) 5000	No
42	IEEE Standard Impact in IoT and 5G	Innovation	Workshop	IEEE Bangalore Section	Non-Govt. Agencies	14-11-2019 00:00:00	15-11-2019 00:00:00	2	1	0	1	No	---	---	No	No
43	Real Time Wireless Sensor Networks and IoT Implementations Using SENSEnut platform	Innovation	Workshop	Saveetha Engineering College	Educational Institute	27-11-2019 00:00:00	28-11-2019 00:00:00	2	8	0	8	No	---	---	No	No
44	Wireless Ad Hoc and Sensor Networks	Innovation	Workshop	Vishnu Institute of Technology, Bhmavaram,AP	Educational Institute	07-02-2020 00:00:00	08-02-2020 00:00:00	2	10	0	10	No	---	---	No	No
45	Internaation Conference on Emerging Intelligent Technoligies and Applications EITA 2019	Innovation	Conference	RMD Engineering College, Chennai	Educational Institute	23-10-2019 00:00:00	25-10-2019 00:00:00	3	7	0	7	No	---	---	No	No
46	National Conference on Communication System NCOCS-2019	Innovation	Conference	National Institute of Technology, Puducherry	Educational Institute	21-09-2019 00:00:00	21-09-2019 00:00:00	1	3	0	3	No	---	---	No	No
47	3rd International Conference on IOT in Social, Mobile, Analytics and Cloud ISMAC 2019	Innovation	Conference	SCAD Institute of Technology	Educational Institute	12-12-2019 00:00:00	14-12-2019 00:00:00	3	2	0	2	No	---	---	No	No

48	Internet of Things (IoT)	Innovation	Training	Codebind Technologies, Chennai	Corporate / Industry Association	05-01-2020 00:00:00	20-01-2020 00:00:00	16	7	0	7	No	---	---	No	No
49	Image Processing	Innovation	Training	DLK Career Development, Chennai	Corporate / Industry Association	13-06-2019 00:00:00	29-06-2019 00:00:00	17	4	0	4	No	---	---	No	No
50	Big Data	Innovation	Training	Stigmata Techno Solutions LLP, Chennai	Corporate / Industry Association	12-06-2019 00:00:00	23-06-2019 00:00:00	12	2	0	2	No	---	---	No	No
51	Internet of Things	Innovation	Training	Codebind Technologies, Chennai	Corporate / Industry Association	13-06-2019 00:00:00	27-06-2019 00:00:00	15	4	0	4	No	---	---	No	No
52	Machine Learning	Innovation	Training	Emglitz Pvt Ltd, Chennai	Corporate / Industry Association	26-05-2019 00:00:00	05-06-2019 00:00:00	11	1	0	1	No	---	---	No	No
53	Cloud Computing	Innovation	Training	Spiro Solutions Pvt Ltd, Chennai	Corporate / Industry Association	10-06-2019 00:00:00	25-06-2019 00:00:00	16	1	0	1	No	---	---	No	No
54	Image Processing	Innovation	Training	Febriz Infotech, Chennai	Corporate / Industry Association	14-06-2019 00:00:00	28-06-2019 00:00:00	15	1	0	1	No	---	---	No	No
55	Image Processing	Innovation	Training	National Institute of Technology(NIT), Pondicherry	Educational Institute	17-06-2019 00:00:00	12-07-2019 00:00:00	26	1	0	1	No	---	---	No	No
56	International Conference on Computational Methods and Data Engineering	Innovation	Conference	SRM University, Delhi	Educational Institute	30-01-2020 00:00:00	31-01-2020 00:00:00	2	2	0	2	No	---	---	No	No

57	RURAL DEVELOPMENT THROUGH TECHNICAL INSTITUTTION	Innovation	Training	NATIONAL INSTITUTE OF TECHNICAL TEACHERS TRAINING AND RESEARCH, KOLKATA	Educational Institute	29-07-2019 00:00:00	02-08-2019 00:00:00	5	0	1	1	No	---	---	No	No
58	MAGNETIC LEVIATION BUILDING	Innovation	Ideation	PANIMALAR INSTITUTE OF TECHNOLOGY	Educational Institute	13-07-2019 00:00:00	13-07-2019 00:00:00	1	1	0	1	No	---	---	No	No
59	BIO-BAG AN ALTERNATIVE FOR PLASTIC BAG	Innovation	Ideation	PANIMALAR INSTITUTE OF TECHNOLOGY	Educational Institute	13-07-2019 00:00:00	13-07-2019 00:00:00	1	1	0	1	No	---	---	No	No
60	BRIDGE MODELLING	Innovation	Ideation	SRM INSTITUTE OF SCIENCE AND TECHNOLOGY	Educational Institute	30-08-2019 00:00:00	30-08-2019 00:00:00	1	1	0	1	No	---	---	No	No
61	BUILDING INFORMATION AND MODELING	Entrepreneurship/Startup	Workshop	ANNA UNIVSERSITY	Educational Institute	25-03-2020 00:00:00	25-03-2020 00:00:00	1	1	0	1	No	---	---	No	No
62	International Conference on Intelligent Computing and Applications	Innovation	Conference	SRM Institute of Science and Technology, Delhi	Educational Institute	06-12-2019 00:00:00	08-12-2019 00:00:00	3	1	0	1	No	---	---	No	No
63	SkillRack Features	Entrepreneurship/Startup	Seminar	CEO, SkillRack, Bangalore	Corporate / Industry Association	03-07-2019 00:00:00	03-07-2019 00:00:00	1	175	0	175	No	---	---	No	No
64	Industry 4.0 and How to get high paying Job	Entrepreneurship/Startup	Seminar	Head Workforce Excellence,TCS, Chennai	Corporate / Industry Association	11-07-2019 00:00:00	11-07-2019 00:00:00	1	166	0	166	No	---	---	TotalTotal Expense Amount Incurred by Institute? (In Rupees) 12500	No

65	MS in US	Entrepreneurship/Startup	Seminar	Operation Manager, Jamboree Education Pvt, Ltd, Chennai	Corporate / Industry Association	26-07-2019 00:00:00	26-07-2019 00:00:00	1	146	0	146	No	---	---	TotalTotal Expense Amount Incurred by Institute? (In Rupees) 5000	No
66	Study Abroad Methodology	Entrepreneurship/Startup	Seminar	Centre Head, Azent Overseas Education Limited, Chennai.	Corporate / Industry Association	20-08-2019 00:00:00	20-08-2019 00:00:00	1	167	0	167	No	---	---	TotalTotal Expense Amount Incurred by Institute? (In Rupees) 5000	No
67	Overseas Education	Entrepreneurship/Startup	Seminar	Director, Education Matters, Chennai	Corporate / Industry Association	21-08-2019 00:00:00	21-08-2019 00:00:00	1	156	0	156	No	---	---	TotalTotal Expense Amount Incurred by Institute? (In Rupees) 5000	No
68	3 Cs of Success	Entrepreneurship/Startup	Seminar	Chief-Enabler, MyAnatomy Integration Pvt. Ltd., Bangalore	Corporate / Industry Association	21-08-2019 00:00:00	21-08-2019 00:00:00	1	339	0	339	No	---	---	TotalTotal Expense Amount Incurred by Institute? (In Rupees) 10000	No
69	GATE Orientation	Entrepreneurship/Startup	Seminar	Regional Manager, The GATE Academy, Chennai	Corporate / Industry Association	22-08-2019 00:00:00	22-08-2019 00:00:00	1	158	0	158	No	---	---	TotalTotal Expense Amount Incurred by Institute? (In Rupees) 5000	No
70	Profile Building	Entrepreneurship/Startup	Seminar	Lead Speaker, Career Labs, Chennai	Corporate / Industry Association	24-02-2020 00:00:00	24-02-2020 00:00:00	1	167	0	167	No	---	---	TotalTotal Expense Amount Incurred by Institute? (In Rupees) 5000	No
71	Airborne Internet	Innovation	Workshop	Saveetha School of Engineering	Educational Institute	20-12-2019 00:00:00	20-12-2019 00:00:00	1	1	0	1	No	---	---	No	No
72	IOT	Entrepreneurship/Startup	Workshop	AltSense Technology Service LLP	Educational Institute	13-07-2019 00:00:00	13-07-2019 00:00:00	1	1	0	1	No	---	---	No	No
73	Embedded system using arudino	Innovation	Workshop	IIT Madras Research Park	Educational Institute	09-09-2019 00:00:00	09-09-2019 00:00:00	1	1	0	1	No	---	---	No	No

74	IOT in Health Care	Innovation	Workshop	AltSense Technology Service LLP	Educational Institute	11-01-2020 00:00:00	11-01-2020 00:00:00	1	2	0	2	No	---	---	No	No
75	OS	Innovation	Workshop	Anna University	Educational Institute	12-02-2020 00:00:00	16-02-2020 00:00:00	5	7	0	7	No	---	---	No	No
76	Machine Learning for Robotics and Automation	Innovation	Workshop	VIT	Educational Institute	21-02-2020 00:00:00	21-02-2020 00:00:00	1	2	0	2	No	---	---	No	No
77	Cyber Security Awareness Campaign	Entrepreneurship/ Startup	Workshop	Sri Sairam Engineering college	Educational Institute	10-01-2020 00:00:00	10-01-2020 00:00:00	1	1	0	1	No	---	---	No	No
78	Cloud computing cyber security	Innovation	Workshop	SRM	Educational Institute	13-02-2020 00:00:00	14-02-2020 00:00:00	2	2	0	2	No	---	---	No	No
79	Web Development	Innovation	Training	E-Training Point	Corporate / Industry Association	10-06-2019 00:00:00	13-06-2019 00:00:00	4	1	0	1	No	---	---	No	No
80	Web Technology,Android	Innovation	Training	Uniq Technologies	Corporate / Industry Association	17-06-2019 00:00:00	21-06-2019 00:00:00	5	1	0	1	No	---	---	No	No
81	Oracle	Innovation	Training	Appsys Global Pvt Ltd	Corporate / Industry Association	03-06-2019 00:00:00	13-06-2019 00:00:00	11	1	0	1	No	---	---	No	No
82	IoT	Innovation	Training	CodeBind Technogies	Corporate / Industry Association	05-12-2019 00:00:00	09-12-2019 00:00:00	5	1	0	1	No	---	---	No	No
83	Oracle	Innovation	Training	Appsys Global Pvt Ltd	Corporate / Industry Association	03-06-2019 00:00:00	13-06-2019 00:00:00	11	1	0	1	No	---	---	No	No
84	IT projects and SAP	Innovation	Training	Kamarajar Port Ltd	Corporate / Industry Association	14-06-2019 00:00:00	20-06-2019 00:00:00	7	1	0	1	No	---	---	No	No

85	Android App Devlopment	Innovation	Training	Infoziant System Pvt. Ltd	Corporate / Industry Association	24-06-2019 00:00:00	28-06-2019 00:00:00	5	1	0	1	No	---	---	No	No
86	Application Development	Innovation	Training	Win Win Web	Corporate / Industry Association	02-12-2019 00:00:00	13-12-2019 00:00:00	12	1	0	1	No	---	---	No	No
87	Embedded system	Innovation	Training	Spiro Solution Pvt Ltd	Corporate / Industry Association	17-06-2019 00:00:00	27-06-2019 00:00:00	11	1	0	1	No	---	---	No	No
88	Boolean Search Facility	Innovation	Training	CSIR-Central Leather Research Institiute	Corporate / Industry Association	06-06-2019 00:00:00	28-06-2019 00:00:00	23	1	0	1	No	---	---	No	No
89	Embedded system	Innovation	Training	Spiro Solution Pvt Ltd	Corporate / Industry Association	17-06-2019 00:00:00	27-06-2019 00:00:00	11	1	0	1	No	---	---	No	No
90	Web Application ,Front end Development	Innovation	Training	EEB Consultants OPC Pvt Ltd	Corporate / Industry Association	23-05-2019 00:00:00	01-06-2019 00:00:00	10	1	0	1	No	---	---	No	No
91	Database	Innovation	Training	Airports Authority of India	Corporate / Industry Association	17-06-2019 00:00:00	21-06-2019 00:00:00	5	1	0	1	No	---	---	No	No
92	Startups and their Ecosystems Role and Promotion strategy	Entrepreneurship/Startup	Seminar	Centre for continuing Education, Indian Institute of Science Bengaluru	Govt. Agency (Central)	09-12-2019 00:00:00	13-12-2019 00:00:00	5	0	2	2	No	---	---	TotalTotal Expense Amount Incurred by Institute? (In Rupees) 3000	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

93	MITSUBISHI ELECTRIC CUP	Innovation	Innovation Contest	MITSUBISHI ELECTRIC INDIA LTD	Corporate / Industry Association	14-02-2020 00:00:00	15-02-2020 00:00:00	2	2	2	4	Yes	PARTICIPATION	FACTORY AUTOMATION	No

Award / Position / Recognition Secured	PARTICIPATION
Title of Innovation / Start-up Secured the Award / Recognition	FACTORY AUTOMATION
Award/Recognition/Achievement Received for	Idea/Innovation/Prototype

94	AUTOCAD DRAWING FOR CIVIL CONSTRUCTION	Entrepreneurship/Startup	Training	NLC INDIA LTD	Govt. Agency (Central)	23-05-2019 00:00:00	21-06-2019 00:00:00	30	1	0	1	No	---	---	No	No
95	BUILDING DEVELOPMENT TRAINING	Entrepreneurship/Startup	Training	BUILDING CENTER and CONSERVATION DIVISION CHEPAUK	Educational Institute	29-05-2019 00:00:00	06-07-2019 00:00:00	39	3	0	3	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	Internet of Things (IoT) and Advanced Technologies in Manufacturing	Innovation	Short term Course	Bachelor	Mechanical Engineering	11-11-2019	23-11-2019	13	Offline	51	48
2	Power Quality	Innovation	Elective/Core Credit Course	Bachelor	Electrical and Electronics Engineering	01-07-2019	04-10-2019	96	Offline	195	45
3	Power System Transients	Innovation	Elective/Core Credit Course	Bachelor	Electrical and Electronics Engineering	23-12-2019	16-03-2020	85	Offline	195	45
4	Value added course on MATLAB	Innovation	Short term Course	Bachelor	Electrical and Electronics Engineering	08-07-2019	02-08-2019	26	Offline	178	30
5	Value added course on LABVIEW	Innovation	Short term Course	Bachelor	Electrical and Electronics Engineering	08-07-2019	02-08-2019	26	Offline	121	30

6	Programming in C C plus plus	Innovation	Short term Course	Bachelor	Electrical and Electronics Engineering	06-01-2020	20-02-2020	46	Offline	164	30
7	MEDICAL ELECTRONICS	Innovation	Elective/Core Credit Course	Bachelor	Electronics and Communication Engineering	01-06-2019	30-07-2019	60	Offline	350	80
8	CLOUD COMPUTING	Innovation	Elective/Core Credit Course	Bachelor	Electronics and Communication Engineering	02-06-2019	31-07-2019	60	Offline	350	80
9	DIGITAL IMAGE PROCESSING	Innovation	Elective/Core Credit Course	Bachelor	Electronics and Communication Engineering	03-06-2019	01-08-2019	60	Offline	350	80
10	ELECTRO MAGNETIC INTERFERENCE AND COMPATIBLITY	Innovation	Elective/Core Credit Course	Bachelor	Electronics and Communication Engineering	16-12-2019	14-03-2020	90	Offline	350	80
11	WIRLESS NETWORKS	Innovation	Elective/Core Credit Course	Bachelor	Electronics and Communication Engineering	16-12-2019	16-03-2020	92	Offline	350	80
12	PROFESSIONAL ETHICS IN ENGINEERING	Innovation	Elective/Core Credit Course	Bachelor	Electronics and Communication Engineering	17-12-2019	17-03-2020	92	Offline	350	80
13	ENTREPRENERSHIP DEVELOPMENT	Innovation	Elective/Core Credit Course	Bachelor	Electronics and Communication Engineering	18-12-2019	18-03-2020	92	Offline	350	80
14	INFORMATION STORAGE MANAGEMENT	Innovation	Elective/Core Credit Course	Master	M E Computer Science and Engineering	01-07-2019	19-10-2019	111	Offline	6	80
15	Computer Vision	Innovation	Elective/Core Credit Course	Master	M E Computer Science and Engineering	01-07-2019	19-10-2019	111	Offline	6	80
16	MOBILE APPLICATION DEVELOPMENT	Innovation	Elective/Core Credit Course	Master	M E Computer Science and Engineering	01-07-2019	19-10-2019	111	Offline	6	80
17	SOFTWARE QUALITY ASSURANCE AND TESTING	Innovation	Elective/Core Credit Course	Master	M E Computer Science and Engineering	01-07-2019	19-10-2019	111	Offline	6	80
18	SOCIAL NETWORK ANALYSIS	Innovation	Elective/Core Credit Course	Master	M E Computer Science and Engineering	01-07-2019	19-10-2019	111	Offline	12	80
19	Communication Network Security	Innovation	Elective/Core Credit Course	Master	M E Communication Systems	01-07-2019	19-10-2019	111	Offline	12	80

20	Multimedia Compression Techniques	Innovation	Elective/Core Credit Course	Master	M E Communication Systems	01-07-2019	19-10-2019	111	Offline	12	80
21	SURVEY CAMP	Entrepreneurship/Startup	Elective/Core Credit Course	Bachelor	CIVIL ENGINEERING	03-06-2019	16-06-2019	14	Offline	169	112
22	PROJECT WORK	Innovation	Elective/Core Credit Course	Bachelor	CIVIL ENGINEERING	28-12-2019	15-03-2020	79	Offline	184	60
23	Prefabricated Structures	Entrepreneurship/Startup	Elective/Core Credit Course	Bachelor	CIVIL ENGINEERING	28-12-2019	15-03-2020	79	Offline	184	60
24	REPAIR AND REHABILITATION OF STRUCTURES	Innovation	Elective/Core Credit Course	Bachelor	CIVIL ENGINEERING	28-12-2019	15-03-2020	79	Offline	184	60
25	MUNICIPAL SOLID WASTE MANAGEMENT	Innovation	Elective/Core Credit Course	Bachelor	CIVIL ENGINEERING	01-07-2019	30-09-2019	92	Offline	184	60
26	PAVMENT ENGINEERING	Innovation	Elective/Core Credit Course	Bachelor	CIVIL ENGINEERING	01-07-2019	30-09-2019	92	Offline	184	60
27	MEDICAL ELECTRONICS	Innovation	Elective/Core Credit Course	Bachelor	Electronics and Communication Engineering	01-06-2019	30-07-2019	60	Offline	350	80
28	CLOUD COMPUTING	Innovation	Elective/Core Credit Course	Bachelor	Electronics and Communication Engineering	03-06-2019	01-08-2019	60	Offline	350	80
29	DIGITAL IMAGE PROCESSING	Innovation	Elective/Core Credit Course	Bachelor	Electronics and Communication Engineering	03-06-2019	01-08-2019	60	Offline	350	80
30	ELECTRO MAGNETIC INTERFERENCE AND COMPATIBLITY	Innovation	Elective/Core Credit Course	Bachelor	Electronics and Communication Engineering	16-12-2019	14-03-2020	90	Offline	350	80
31	WIRLESS NETWORKS	Innovation	Elective/Core Credit Course	Bachelor	Electronics and Communication Engineering	16-12-2019	16-03-2020	92	Offline	350	80
32	PROFESSIONAL ETHICS IN ENGINEERING	Innovation	Elective/Core Credit Course	Bachelor	Electronics and Communication Engineering	17-12-2019	17-03-2020	92	Offline	350	80
33	ENTREPRENERSHIP DEVELOPMENT	Innovation	Elective/Core Credit Course	Bachelor	Electronics and Communication Engineering	18-12-2019	18-03-2020	92	Offline	350	80
34	Hospital waste management	Innovation	Elective/Core Credit Course	Credit Course (Elective)	Department of Information Technology	01-07-2019	01-10-2019	93	Offline	158	45

#	Course	Category	Type	Level	Department	Start Date	End Date		Mode		
35	Telehealth Technology	Innovation	Elective/Core Credit Course	Credit Course (Elective)	Information Technology	01-07-2019	01-10-2019	93	Offline	64	45
36	Software Testing	Innovation	Elective/Core Credit Course	Credit Course (Elective)	Department of Information Technology	01-07-2019	01-10-2019	93	Offline	126	45
37	Software Testing	Innovation	Elective/Core Credit Course	Credit Course (Elective)	Department of Information Technology	01-12-2019	01-03-2020	92	Offline	185	45
38	Professional Ethics in Engineering	Innovation	Elective/Core Credit Course	Credit Course (Elective)	Department of Information Technology	01-12-2019	01-03-2020	92	Offline	179	45
39	Business Intelligence	Innovation	Elective/Core Credit Course	Credit Course (Elective)	Department of Information Technology	01-12-2019	01-03-2020	92	Offline	179	45
40	IT6013 Software Quality Assurance	Innovation	Elective/Core Credit Course	Credit Course (Elective)	Department of Information Technology	01-12-2019	01-03-2020	92	Offline	179	45
41	Telehealth Technology	IPR	Elective/Core Credit Course	Bachelor	Computer science and engineering	03-07-2019	10-10-2019	100	Offline	322	45
42	Software Testing	IPR, Entrepreneurship/Startup	Elective/Core Credit Course	Bachelor	Computer science and engineering	02-01-2020	03-04-2020	93	Offline	292	45
43	Data Warehousing and Data Mining	Entrepreneurship/Startup	Elective/Core Credit Course	Bachelor	Computer science and engineering	02-01-2020	03-04-2020	93	Offline	29	45
44	Hospital Management	IPR	Elective/Core Credit Course	Bachelor	Computer science and engineering	02-01-2020	03-04-2020	93	Offline	172	45
45	Basics of Human Anatomy and Physiology	IPR	Elective/Core Credit Course	Bachelor	Computer science and engineering	02-01-2020	03-04-2020	93	Offline	150	45
46	Software Project Management	IPR	Elective/Core Credit Course	Bachelor	Computer science and engineering	03-07-2019	10-10-2019	100	Offline	309	45
47	Human Computer Interaction	Innovation	Elective/Core Credit Course	Bachelor	Computer science and engineering	02-01-2020	03-04-2020	93	Offline	309	45
48	Professional Ethics in Engineering	IPR	Elective/Core Credit Course	Bachelor	Computer science and engineering	02-01-2020	03-04-2020	93	Offline	309	45
49	Information Retrieval Techniques	IPR	Elective/Core Credit Course	Bachelor	Computer science and engineering	03-07-2019	10-10-2019	100	Offline	309	45
50	Cyber Forensics	IPR	Elective/Core Credit Course	Bachelor	Computer science and engineering	03-07-2019	10-10-2019	100	Offline	322	45

51	Power Electronics and Drives	Innovation	Elective/Core Credit Course	Bachelor	ELECTRONICS AND INSTRUMENTATION ENGINEERING	14-12-2019	14-04-2020	123	Offline	58	45
52	Computer Networks	Innovation	Elective/Core Credit Course	Bachelor	ELECTRONICS AND INSTRUMENTATION ENGINEERING	14-12-2019	14-04-2020	123	Offline	98	45
53	Advanced Instrumentation Systems	Innovation	Elective/Core Credit Course	Bachelor	ELECTRONICS AND INSTRUMENTATION ENGINEERING	14-12-2019	14-04-2020	123	Offline	156	45

Section 2 > ii : List the Employment Generation Skill Development Programs Organized by the HEI on Innovation, IPR and Entrepreneurship Development During the Academic Period (2019-20)

Srno	Title of the Training Program	Program Theme	Type of Course	Course Offering Department/Centre/ Unit Name	Program Start Date	Program End Date	Program Duration(in Days)	Mode of Delivery	Total Numbers of Participants	Total Numbers of Contact Hours of Course (Minimum 30 Contact hours)
1	Winter Training Programme in Cyber Security	Innovation	FDP in I&E / IPR	Computer Science and Engineering	25-11-2019	29-11-2019	5	Online	42	30
2	Short Term Training Programme on Effective Teaching	IPR	Employment Generation Training Programs	Computer Science and Engineering	15-07-2019	19-07-2019	5	Online	66	30
3	Short Term Training Programme on Rural Development through Technical Institution	IPR	Employment Generation Training Programs	Computer Science and Engineering	29-07-2019	02-08-2019	5	Online	66	30
4	Recent Innovations And Futuristic Scope for Research in Internal Combustion Engine	Innovation	Employment Generation Training Programs	Mechanical Engineering St Josephs College of engineering Chennai	29-05-2020	04-06-2020	7	Online	1	35
5	Materials for Thermal and Renewable Energy Research	Entrepreneurship/Startup	Employment Generation Training Programs	Mechanical Engineering Sri Sai Ram Institute of Technology Chennai	15-05-2020	21-05-2020	7	Online	1	35
6	AICTE sponsered two weeks FDP on 5G communication practical approach FDP	Innovation	FDP in I&E / IPR	Electronics and Communication Engineering	08-11-2019	21-11-2019	14	Online	43	70
7	FDP on Python	Innovation	FDP in I&E / IPR	Amphisoft Technologies Private Limited	10-06-2019	14-06-2019	5	Offline	47	30
8	Cloud Fog and Edge Computing	Innovation	FDP in I&E / IPR	NITTTR Chandigarh	17-06-2019	21-06-2019	5	Offline	31	30
9	Faculty Development planning and management for institutional excellence	Innovation	FDP in I&E / IPR	NITTTR Chandigarh	18-11-2019	22-11-2019	5	Offline	36	30

Section 2 > iii : List the Full Time Faculties had with a Degree (UG/PG/PhD) in Innovation/IPR/Entrepreneurship and (or) Received Specialized Training program of I&E, IPR (MDP, EDP, FDP, Short-term Certificate Course, of minimum 30 hours Duration) conducted by various State, Central Govt. agencies, and Knowledge Agencies in the Academic Period (2019-20)

Srno	Faculty Name	Department/Centre/Unit Name	Designation	Do you have a degree in I&E & IPR?	Had the faculty received training on I&E & IPR during AY 2019-20
1	Dr. A.Ameelia Roseline	Electronics and Communication Engineering	Professor	Yes	Yes

Highest degree name in I&E and IPR	PhD
Degree Type	PhD
Year of Highest degree in I&E and IPR	2014

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

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
2	Dr.S.Selvi	Electrical and Electronics Engineering	Professor	Yes	Yes

Highest degree name in I&E and IPR	PhD
Degree Type	PhD
Year of Highest degree in I&E and IPR	2018

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

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
3	Dr. D. Silas Stephen	Electrical and Electronics Engineering	Professor	Yes	Yes

Highest degree name in I&E and IPR	PhD
Degree Type	PhD
Year of Highest degree in I&E and IPR	2013

Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)	Mode of Delivery

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
4	Dr.D.Silas Stephen	Electrical and Electronics Engineering	Professor	Yes	Yes

Highest degree name in I&E and IPR	PhD
Degree Type	PhD
Year of Highest degree in I&E and IPR	2013

Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)	Mode of Delivery

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
5	Dr.D.Silas Stephen	Electrical and Electronics Engineering	Professor	Yes	Yes

Highest degree name in I&E and IPR	PhD
Degree Type	PhD
Year of Highest degree in I&E and IPR	2013

Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)	Mode of Delivery

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
6	Dr.N.Manoj Kumar	Electrical and Electronics Engineering	Professor	Yes	Yes

	Highest degree name in I&E and IPR	PhD	Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)	Mode of Delivery
	Degree Type	PhD									
	Year of Highest degree in I&E and IPR	2015									
7	Dr.R.Kannan		Electrical and Electronics Engineering		Professor		Yes		Yes		
	Highest degree name in I&E and IPR	PhD	Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)	Mode of Delivery
	Degree Type	PhD									
	Year of Highest degree in I&E and IPR	2016									
8	Dr.A.Sivakumar		Electrical and Electronics Engineering		Associate Professor		Yes		Yes		
	Highest degree name in I&E and IPR	PhD	Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)	Mode of Delivery
	Degree Type	PhD									
	Year of Highest degree in I&E and IPR	2019									
9	Dr.S.Kavaskar		Electrical and Electronics Engineering		Associate Professor		Yes		Yes		
	Highest degree name in I&E and IPR	PhD	Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)	Mode of Delivery
	Degree Type	PhD									
	Year of Highest degree in I&E and IPR	2020									
10	Mrs.G.Merlin Suba		Electrical and Electronics Engineering		Associate Professor		Yes		Yes		
	Highest degree name in I&E and IPR	Master of Engineering	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									
	Year of Highest degree in I&E and IPR	2005									
11	Mrs.G.Merlin Suba		Electrical and Electronics Engineering		Associate Professor		Yes		Yes		
	Highest degree name in I&E and IPR	Master of Engineering	Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)	Mode of Delivery
	Degree Type	PhD									
	Year of Highest degree in I&E and IPR	2005									
12	Mrs.S.Pushpa		Electrical and Electronics Engineering		Assistant Professor		Yes		Yes		

	Highest degree name in I&E and IPR	Master of Engineering	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										
	Year of Highest degree in I&E and IPR	2009										
13	Mr. P. Srinivasan		Electrical and Electronics Engineering		Assistant Professor		Yes			Yes		
	Highest degree name in I&E and IPR	Master of Engineering	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										
	Year of Highest degree in I&E and IPR	2010										
14	Mr. P. Srinivasan		Electrical and Electronics Engineering		Associate Professor		Yes			Yes		
	Highest degree name in I&E and IPR	Master of Engineering	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										
	Year of Highest degree in I&E and IPR	2010										
15	Dr. A.Ameelia Roseline		Electronics and Communication Engineering		Professor		Yes			Yes		
	Highest degree name in I&E and IPR	PhD	Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)	Mode of Delivery	
	Degree Type	PhD										
	Year of Highest degree in I&E and IPR	2012										
16	Dr. A.Ameelia Roseline		Electronics and Communication Engineering		Professor		Yes			Yes		
	Highest degree name in I&E and IPR	PhD	Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)	Mode of Delivery	
	Degree Type	PhD										
	Year of Highest degree in I&E and IPR	2012										
17	Dr. A.Ameelia Roseline		Electronics and Communication Engineering		Professor		Yes			Yes		
	Highest degree name in I&E and IPR	PhD	Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)	Mode of Delivery	
	Degree Type	PhD										
	Year of Highest degree in I&E and IPR	2012										
18	Dr.S.Uma Maheswari		Electronics and Communication Engineering		Professor		Yes			Yes		

	Highest degree name in I&E and IPR	PhD	Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)	Mode of Delivery
	Degree Type	PhD									
	Year of Highest degree in I&E and IPR	2017									

19	Dr.S.Deepa		Electronics and Communication Engineering		Professor		Yes			Yes	
	Highest degree name in I&E and IPR	PhD	Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)	Mode of Delivery
	Degree Type	PhD									
	Year of Highest degree in I&E and IPR	2014									

20	Mrs.D.Padmapriy		Electronics and Communication Engineering		Associate professor		Yes			Yes	
	Highest degree name in I&E and IPR	Master of Engineering	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									
	Year of Highest degree in I&E and IPR	2006									

21	Dr.D.Kalaiyarasi		Electronics and Communication Engineering		Associate professor		Yes			Yes	
	Highest degree name in I&E and IPR	PhD	Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)	Mode of Delivery
	Degree Type	PhD									
	Year of Highest degree in I&E and IPR	2020									

22	Mr.N.Chidambaram		Electronics and Communication Engineering		Associate professor		Yes			Yes	
	Highest degree name in I&E and IPR	Master of Engineering	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									
	Year of Highest degree in I&E and IPR	2008									

23	Mr.C.Ramesh kumar		Electronics and Communication Engineering		Associate professor		Yes			Yes	
	Highest degree name in I&E and IPR	Master of Engineering	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									
	Year of Highest degree in I&E and IPR	2005									

| 24 | Mr.C.Ramesh kumar | | Electronics and Communication Engineering | | Associate professor | | Yes | | | Yes | |

		Highest degree name in I&E and IPR	Master of Engineering	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									
		Year of Highest degree in I&E and IPR	2005									
25	Mrs.D.Nithya			Electronics and Communication Engineering		Associate professor		Yes		Yes		
		Highest degree name in I&E and IPR	Master of Engineering	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									
		Year of Highest degree in I&E and IPR	2007									
26	Mrs.J.Jeneetha			Electronics and Communication Engineering		Associate professor		Yes		Yes		
		Highest degree name in I&E and IPR	Master of Engineering	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									
		Year of Highest degree in I&E and IPR	2007									
27	Mrs.Rajalakshmi.R			Electronics and Communication Engineering		Associate professor		Yes		Yes		
		Highest degree name in I&E and IPR	Master of Engineering	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									
		Year of Highest degree in I&E and IPR	2012									
28	Mrs.Rajalakshmi.R			Electronics and Communication Engineering		Associate professor		Yes		Yes		
		Highest degree name in I&E and IPR	Master of Engineering	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									
		Year of Highest degree in I&E and IPR	2012									
29	Mrs.Rajalakshmi.R			Electronics and Communication Engineering		Associate professor		Yes		Yes		
		Highest degree name in I&E and IPR	Master of Engineering	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									
		Year of Highest degree in I&E and IPR	2012									
30	Mrs.M.Saraswathi			Electronics and Communication Engineering		Associate professor		Yes		Yes		

			Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)	Mode of Delivery
	Highest degree name in I&E and IPR	Master of Engineering									
	Degree Type	PG									
	Year of Highest degree in I&E and IPR	2009									
31	Mrs.N.Nithya		Electronics and Communication Engineering		Associate professor		Yes			Yes	
	Highest degree name in I&E and IPR	Master of Engineering	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									
	Year of Highest degree in I&E and IPR	2005									
32	Dr.S.Shibu		Electronics and Communication Engineering		Assistant professor		Yes			Yes	
	Highest degree name in I&E and IPR	PhD	Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)	Mode of Delivery
	Degree Type	PhD									
	Year of Highest degree in I&E and IPR	2020									
33	Mrs.Bharathi.S.L		Electronics and Communication Engineering		Assistant Professor		Yes			Yes	
	Highest degree name in I&E and IPR	Master of Engineering	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									
	Year of Highest degree in I&E and IPR	2014									
34	Mrs.Bharathi.S.L		Electronics and Communication Engineering		Assistant Professor		Yes			Yes	
	Highest degree name in I&E and IPR	Master of Engineering	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									
	Year of Highest degree in I&E and IPR	2014									
35	Mrs.Vasudevan.U		Electronics and Communication Engineering		Assistant Professor		Yes			Yes	
	Highest degree name in I&E and IPR	Master of Engineering	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									
	Year of Highest degree in I&E and IPR	2014									
36	Mrs.N.Pritha		Electronics and Communication Engineering		Assistant Professor		Yes			Yes	

	Highest degree name in I&E and IPR	Master of Engineering	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									
	Year of Highest degree in I&E and IPR	2013									

37	Mrs.N.Pritha		Electronics and Communication Engineering		Assistant Professor		Yes			Yes	
	Highest degree name in I&E and IPR	Master of Engineering	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									
	Year of Highest degree in I&E and IPR	2013									

38	Mrs.N.Pritha		Electronics and Communication Engineering		Assistant Professor		Yes			Yes	
	Highest degree name in I&E and IPR	Master of Engineering	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									
	Year of Highest degree in I&E and IPR	2013									

39	Mr.J.Gajapathi		Electronics and Communication Engineering		Assistant Professor		Yes			Yes	
	Highest degree name in I&E and IPR	Master of Engineering	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									
	Year of Highest degree in I&E and IPR	2012									

40	Mrs.V.Subashree		Electronics and Communication Engineering		Assistant Professor		Yes			Yes	
	Highest degree name in I&E and IPR	Master of Engineering	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									
	Year of Highest degree in I&E and IPR	2014									

41	Ms.Meha Soman		Electronics and Communication Engineering		Assistant Professor		Yes			Yes	
	Highest degree name in I&E and IPR	Master of Engineering	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									
	Year of Highest degree in I&E and IPR	2014									

42	Ms.Meha Soman		Electronics and Communication Engineering		Assistant Professor		Yes			Yes	

	Highest degree name in I&E and IPR	Master of Engineering	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									
	Year of Highest degree in I&E and IPR	2014									
43	Mr. U. Uma Mahesh		Electronics and Communication Engineering		Assistant Professor		Yes			Yes	
	Highest degree name in I&E and IPR	Master of Engineering	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									
	Year of Highest degree in I&E and IPR	2018									
44	Dr.M.Mageswari		Civil Engineering		Professor		Yes			Yes	
	Highest degree name in I&E and IPR	PhD	Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)	Mode of Delivery
	Degree Type	PhD	Outcome Based curriculum	Innovation	Short term Certificate	NITTR, Chandigarh	Educational Institute	24-06-2019 00:00:00	28-06-2019 00:00:00	5	Online
	Year of Highest degree in I&E and IPR	2011	Assessment and Evaluation under outcome based Education	Innovation	Short term Certificate	NITTR, Kolkatta	Educational Institute	10-06-2019 00:00:00	14-06-2019 00:00:00	5	Online
			ICT Mode on NBA accrediation	Innovation	Short term Certificate	NITTR, Kolkatta	Educational Institute	22-04-2019 00:00:00	26-04-2019 00:00:00	5	Online
45	Dr. A.S.Kanagalakshmi		Civil Engineering		Professor		Yes			Yes	
	Highest degree name in I&E and IPR	PhD	Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)	Mode of Delivery
	Degree Type	PhD									
	Year of Highest degree in I&E and IPR	2013									
46	Dr.K.Dhanasekar		Civil Engineering		Professor		Yes			Yes	
	Highest degree name in I&E and IPR	PhD	Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)	Mode of Delivery
	Degree Type	PhD	RURAL DEVELOPMENT THROUGH TECHNICAL INSTITUTION	Innovation	Short term Certificate	NITTR, Kolkatta	Educational Institute	29-07-2019 00:00:00	02-08-2019 00:00:00	5	Online
	Year of Highest degree in I&E and IPR	2016	Outcome Based curriculum	Innovation	Short term Certificate	NITTR, Chandigarh	Educational Institute	24-06-2019 00:00:00	28-06-2019 00:00:00	5	Online
47	Dr.A.Latha		Civil Engineering		Associate Professor		Yes			Yes	

		Highest degree name in I&E and IPR	PhD

Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)	Mode of Delivery

		Degree Type	PhD
		Year of Highest degree in I&E and IPR	2018

48	Mrs.B.Krishnakumari	Civil Engineering	Associate Professor	Yes	Yes

Highest degree name in I&E and IPR	Master of Engineering
Degree Type	PG
Year of Highest degree in I&E and IPR	2008

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

49	Mrs.S.Laxmipriya	Civil Engineering	Associate Professor	Yes	Yes

Highest degree name in I&E and IPR	Master of Engineering
Degree Type	PG
Year of Highest degree in I&E and IPR	2011

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

50	Mrs.S.Theerkadharshini	Civil Engineering	Associate Professor	Yes	Yes

Highest degree name in I&E and IPR	Master of Engineering
Degree Type	PG
Year of Highest degree in I&E and IPR	2009

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

51	Mr.L RANJITH KUMAR	Civil Engineering	Associate Professor	Yes	Yes

Highest degree name in I&E and IPR	Master of Engineering
Degree Type	PG
Year of Highest degree in I&E and IPR	2008

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
Muthoot Institute of Technology and Science	Innovation	Short term Certificate	Muthoot Institute of Technology and Science	Educational Institute	27-03-2019 00:00:00	29-03-2019 00:00:00	3	Online
Outcome Based curriculum	Innovation	Short term Certificate	NITTR, Chandigarh	Educational Institute	24-06-2019 00:00:00	28-06-2019 00:00:00	5	Online

52	Mr.A.Venkatesan	Civil Engineering	Associate Professor	Yes	Yes

Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)	Mode of Delivery
Outcome Based curriculum	Innovation	Short term Certificate	NITTR, Chandigarh	Educational Institute	24-06-2019 00:00:00	28-06-2019 00:00:00	5	Online
STEEL DESIGNING USING TEKLA SOFTWARE	Innovation	Short term Certificate	Sri Ramakrishna Institute of Technology,	Educational Institute	16-05-2020 00:00:00	16-05-2020 00:00:00	1	Online

53	Mr.S.Manikandan		Civil Engineering		Assistant Professor		Yes		Yes	

Highest degree name in I&E and IPR	Master of Engineering
Degree Type	PG
Year of Highest degree in I&E and IPR	2014

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

54	Mrs.V.Malarvizhi		Civil Engineering		Assistant Professor		Yes		Yes	

Highest degree name in I&E and IPR	Master of Engineering
Degree Type	PG
Year of Highest degree in I&E and IPR	2015

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

55	Mr.S.Haribabu		Civil Engineering		Assistant Professor		Yes		Yes	

Highest degree name in I&E and IPR	Master of Engineering
Degree Type	PG
Year of Highest degree in I&E and IPR	2016

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

56	Mr.R.Vinoth kumar		Civil Engineering		Assistant Professor		Yes		Yes	

Highest degree name in I&E and IPR	Master of Engineering
Degree Type	PG
Year of Highest degree in I&E and IPR	2013

Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)	Mode of Delivery

57	Mr.K.Sharan kumar		Civil Engineering		Assistant Professor		Yes		Yes	

Highest degree name in I&E and IPR	Master of Engineering
Degree Type	PG
Year of Highest degree in I&E and IPR	2015

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

58	A.Vijay		Civil Engineering	Assistant Professor	Yes	Yes

Highest degree name in I&E and IPR	Master of Engineering
Degree Type	PG
Year of Highest degree in I&E and IPR	2012

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

59	J.Kiruba		Civil Engineering	Assistant Professor	Yes	Yes

Highest degree name in I&E and IPR	Master of Engineering
Degree Type	PG
Year of Highest degree in I&E and IPR	2018

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

60	K.Mohana Priya		Civil Engineering	Assistant Professor	Yes	Yes

Highest degree name in I&E and IPR	Master of Engineering
Degree Type	PG
Year of Highest degree in I&E and IPR	2018

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

61	Dr.K.Sridharan		Information Technology	Professor	Yes	Yes

Highest degree name in I&E and IPR	PhD
Degree Type	PhD
Year of Highest degree in I&E and IPR	2018

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
BOSS Linux	Innovation	FDP in I&E, IPR	-	Educational Institute	15-04-2020 00:00:00	21-04-2020 00:00:00	7	Online
"R- Programming"	Innovation	FDP in I&E, IPR	-	Educational Institute	30-04-2020 00:00:00	05-05-2020 00:00:00	6	Online
-	Innovation	FDP in I&E, IPR	-	Educational Institute	08-06-2020 00:00:00	13-06-2020 00:00:00	6	Online

62	Dr.M.Heldamercy		Information Technology	Professor	Yes	Yes

	Highest degree name in I&E and IPR	Ph D Networking								
	Degree Type	PhD								
		2008								
	Year of Highest degree in I&E and IPR									

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
Design Thinking	Innovation	Short term Certificate	NPTEL	Govt. Agency (Central)	01-08-2019 00:00:00	01-10-2019 00:00:00	62	Online
Practical Machine Learning with Tensor flow	Innovation	Short term Certificate	NPTEL	Govt. Agency (Central)	01-07-2019 00:00:00	01-08-2019 00:00:00	32	Online
Introduction to Machine Learning	Innovation	Short term Certificate	NPTEL	Govt. Agency (Central)	01-01-2020 00:00:00	01-04-2020 00:00:00	92	Online
Neural Networks and CNN	Innovation	FDP in I&E, IPR	National Institute of Technical Teachers Training and Research,Chandigarh	Govt. Agency (Central)	11-05-2020 00:00:00	15-05-2020 00:00:00	5	Online
Communication and Presentation Skills	Innovation	FDP in I&E, IPR	National Institute of Technical Teachers Training and Research,Chandigarh	Govt. Agency (Central)	18-05-2020 00:00:00	22-05-2020 00:00:00	5	Online
Evaluation & Setting of Question Papers	Innovation	FDP in I&E, IPR	National Institute of Technical Teachers Training and Research,Chandigarh	Govt. Agency (Central)	25-05-2020 00:00:00	29-05-2020 00:00:00	5	Online

63	Dr.B.AnniPrincy		Information Technology		Professor		Yes		Yes	

	Highest degree name in I&E and IPR	PhD								
	Degree Type	PhD								
		2015								
	Year of Highest degree in I&E and IPR									

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
Machine Learning	Innovation	FDP in I&E, IPR	Data teach artificial intelligence , chennai	Non-Govt. Agencies	11-05-2020 00:00:00	15-05-2020 00:00:00	5	Online
Machine and Deep Learning Using Python	Innovation	FDP in I&E, IPR	Panimalar Institute of Technology	Educational Institute	14-05-2020 00:00:00	20-05-2020 00:00:00	7	Online
FDP on Effective and Instructive Research	Innovation	FDP in I&E, IPR	Sona College of Technology, Salem	Educational Institute	04-05-2020 00:00:00	10-05-2020 00:00:00	7	Online

64	Dr.D.Karunkuzhali		Information Technology		Professor		Yes		Yes	

Highest degree name in I&E and IPR	PhD	
Degree Type	PhD	
Year of Highest degree in I&E and IPR	2014	

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
Internet of Things	Innovation	FDP in I&E, IPR	National Institute of Technical Teachers Training and Research,Chandigarh	Govt. Agency (Central)	15-04-2020 00:00:00	19-04-2020 00:00:00	5	Online
Latest Wireless and Computing Technologies	Innovation	FDP in I&E, IPR	National Institute of Technical Teachers Training and Research,Chandigarh	Govt. Agency (Central)	14-04-2020 00:00:00	18-04-2020 00:00:00	5	Online
Nanomaterials and Devices	Innovation	FDP in I&E, IPR	National Institute of Technical Teachers Training and Research,Chandigarh	Govt. Agency (Central)	27-04-2020 00:00:00	01-05-2020 00:00:00	5	Online
Research Oriented Project Work	Innovation	FDP in I&E, IPR	National Institute of Technical Teachers Training and Research,Chandigarh	Govt. Agency (Central)	11-05-2020 00:00:00	15-05-2020 00:00:00	5	Online
Open Source Cyber Security Tools	Innovation	FDP in I&E, IPR	National Institute of Technical Teachers Training and Research,Chandigarh	Govt. Agency (Central)	18-05-2020 00:00:00	22-05-2020 00:00:00	5	Online
Recent Trends in Information, Computing, Communication and Teaching Methodology Competency	Innovation	FDP in I&E, IPR	-	Educational Institute	04-05-2020 00:00:00	17-05-2020 00:00:00	14	Online
Emerging Technologies in Computer Science	Innovation	FDP in I&E, IPR	-	Educational Institute	28-05-2020 00:00:00	02-06-2020 00:00:00	6	Online
Neural Networks and CNN	Innovation	FDP in I&E, IPR	National Institute of Technical Teachers Training and Research,Chandigarh	Govt. Agency (Central)	11-05-2020 00:00:00	15-05-2020 00:00:00	5	Online

65	Mrs.S.MaryRexcyasha	Information Technology	Associate Professor	Yes	Yes

Highest degree name in I&E and IPR	Master of Engineering		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		Principles of Management	Innovation	FDP in I&E, IPR	Panimalar Institute of Technogy	Educational Institute	18-05-2020 00:00:00	22-05-2020 00:00:00	5	Online
Year of Highest degree in I&E and IPR	2006		DATA STRUCTURES	Innovation	FDP in I&E, IPR	-	Educational Institute	25-05-2020 00:00:00	29-05-2020 00:00:00	5	Online

66	Dr.K.Sridharan		Information Technology		Professor		Yes			Yes	

Highest degree name in I&E and IPR	PhD		Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)	Mode of Delivery
Degree Type	PhD		BOSS Linux	Innovation	FDP in I&E, IPR	-	Educational Institute	15-04-2020 00:00:00	21-04-2020 00:00:00	7	Online
Year of Highest degree in I&E and IPR	2018		"R- Programming"	Innovation	FDP in I&E, IPR	-	Educational Institute	30-04-2020 00:00:00	05-05-2020 00:00:00	6	Online
			-	Innovation	FDP in I&E, IPR	-	Educational Institute	08-06-2020 00:00:00	13-06-2020 00:00:00	6	Online

67	Mrs.B.Buvaneswari		Information Technology		Associate Professor		Yes			Yes	

Highest degree name in I&E and IPR	Master of Technology		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		PHP and MySQL	Innovation	FDP in I&E, IPR	Vellore Institute of Technology	Educational Institute	11-05-2020 00:00:00	15-05-2020 00:00:00	5	Online
Year of Highest degree in I&E and IPR	2007		VMware VSphare	Innovation	FDP in I&E, IPR	-	Educational Institute	22-06-2020 00:00:00	26-06-2020 00:00:00	5	Online

68	Mrs.S.Uma		Information Technology		Associate Professor		Yes			Yes	

Highest degree name in I&E and IPR	Master of Technology		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		Neural Networks and CNN	Innovation	FDP in I&E, IPR	National Institute of Technical Teachers Training and Research,Chandigarh	Govt. Agency (Central)	11-05-2020 00:00:00	15-05-2020 00:00:00	5	Online
Year of Highest degree in I&E and IPR	2009		-	Innovation	FDP in I&E, IPR	National Institute of Technical Teachers Training and Research,Chandigarh	Govt. Agency (Central)	18-11-2019 00:00:00	22-11-2019 00:00:00	5	Online
			-	Innovation	FDP in I&E, IPR	panimalar Engineering college	Educational Institute	26-06-2020 00:00:00	30-06-2020 00:00:00	5	Online

69	Mr.N.BalaSundaraGanapathy		Information Technology		Associate Professor		Yes			Yes	

	Highest degree name in I&E and IPR	Master of Engineering
	Degree Type	PG
	Year of Highest degree in I&E and IPR	2017

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
-	Innovation	FDP in I&E, IPR	National Institute of Technical Teachers Training and Research,Chandigarh	Govt. Agency (Central)	18-11-2019 00:00:00	22-11-2019 00:00:00	5	Online
-	Innovation	FDP in I&E, IPR	panimalar Engineering college	Educational Institute	26-06-2020 00:00:00	30-06-2020 00:00:00	5	Online

70	Mr.B.Karthikeyan	Information Technology	Associate Professor	Yes	Yes

	Highest degree name in I&E and IPR	Master of Technology
	Degree Type	PG
	Year of Highest degree in I&E and IPR	2011

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
-	Innovation	FDP in I&E, IPR	National Institute of Technical Teachers Training and Research,Chandigarh	Govt. Agency (Central)	18-11-2019 00:00:00	22-11-2019 00:00:00	5	Online
-	Innovation	FDP in I&E, IPR	panimalar Engineering college	Educational Institute	26-06-2020 00:00:00	30-06-2020 00:00:00	5	Online

71	Mrs.K.Muthulakshmi	Information Technology	Associate Professor	Yes	Yes

	Highest degree name in I&E and IPR	Master of Technology
	Degree Type	PG
	Year of Highest degree in I&E and IPR	2009

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
Neural Networks and CNN	Innovation	FDP in I&E, IPR	National Institute of Technical Teachers Training and Research,Chandigarh	Govt. Agency (Central)	11-05-2020 00:00:00	15-05-2020 00:00:00	5	Online
-	Innovation	FDP in I&E, IPR	National Institute of Technical Teachers Training and Research,Chandigarh	Govt. Agency (Central)	18-11-2020 00:00:00	22-11-2020 00:00:00	5	Online

72	Mrs.M.Sumithra	Information Technology	Associate Professor	Yes	Yes

Highest degree name in I&E and IPR	Master of Engineering	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	-	Innovation	FDP in I&E, IPR	National Institute of Technical Teachers Training and Research,Chandigarh	Govt. Agency (Central)	18-11-2019 00:00:00	22-11-2019 00:00:00	5	Online
	2008	-	Innovation	FDP in I&E, IPR	-	Educational Institute	03-06-2020 00:00:00	09-06-2020 00:00:00	7	Online
		Theory of Computation	Innovation	FDP in I&E, IPR	-	Educational Institute	22-06-2020 00:00:00	26-06-2020 00:00:00	5	Online
Year of Highest degree in I&E and IPR		Python	Innovation	FDP in I&E, IPR	Vellore Institute of Technology	Educational Institute	05-05-2020 00:00:00	09-05-2020 00:00:00	5	Online
		Nurturing Research and innovation in higher Educations Institutions	Innovation	FDP in I&E, IPR	-	Educational Institute	29-06-2020 00:00:00	04-07-2020 00:00:00	6	Online

73	Mrs.K.Lalitha		Information Technology		Associate Professor		Yes		Yes	

Highest degree name in I&E and IPR	Master of Engineering	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	-	Innovation	FDP in I&E, IPR	National Institute of Technical Teachers Training and Research,Chandigarh	Govt. Agency (Central)	18-11-2019 00:00:00	22-11-2019 00:00:00	5	Online
	2008									
Year of Highest degree in I&E and IPR		Image and Embedded Processing	Innovation	FDP in I&E, IPR	National Institute of Technical Teachers Training and Research,Chandigarh	Govt. Agency (Central)	10-05-2020 00:00:00	15-05-2020 00:00:00	6	Online

74	Mr.M.Dillibabu		Information Technology		Associate Professor		Yes		Yes	

Highest degree name in I&E and IPR	Master of Engineering	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	FDP on LaTeX and Scilab	Innovation	FDP in I&E, IPR	-	Educational Institute	30-04-2020 00:00:00	04-05-2020 00:00:00	5	Online
	2008	Research Methodology	Innovation	FDP in I&E, IPR	-	Educational Institute	19-05-2020 00:00:00	23-05-2020 00:00:00	5	Online
		FDP on Ruby and Perl Programming	Innovation	FDP in I&E, IPR	-	Educational Institute	03-06-2020 00:00:00	08-06-2020 00:00:00	6	Online
Year of Highest degree in I&E and IPR		-	Innovation	FDP in I&E, IPR	-	Educational Institute	15-06-2020 00:00:00	19-06-2020 00:00:00	5	Online

75	DR.S.Murugavalli		Computer Science and Engineering		Professor		Yes		Yes	

		Highest degree name in I&E and IPR	PhD
		Degree Type	PhD
		Year of Highest degree in I&E and IPR	2009

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

76	Mrs.KANCHANA A	Computer Science and Engineering	Assistant Professor	Yes	Yes

	Highest degree name in I&E and IPR	Master of Engineering
	Degree Type	PG
	Year of Highest degree in I&E and IPR	2011

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

77	Mrs.V ANITHA MOSES	Computer Science and Engineering	Professor	Yes	Yes

	Highest degree name in I&E and IPR	Master of Engineering
	Degree Type	PG
	Year of Highest degree in I&E and IPR	2016

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

78	Dr.L.JABASHEELA	Computer Science and Engineering	Professor	Yes	Yes

	Highest degree name in I&E and IPR	PhD
	Degree Type	PhD
	Year of Highest degree in I&E and IPR	2010

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

79	Mrs.M.S.Vinmathi	Computer Science and Engineering	Professor	Yes	Yes

	Highest degree name in I&E and IPR	Master of Engineering
	Degree Type	PG
	Year of Highest degree in I&E and IPR	2005

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

80	Mr.A.N.SASIKUMAR	Computer Science and Engineering	Associate Professor	Yes	Yes

	Highest degree name in I&E and IPR	Master of Engineering
	Degree Type	PG
	Year of Highest degree in I&E and IPR	2016

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

81	GUNASEKARAN	Computer Science and Engineering	Assistant Professor	Yes	Yes

	Highest degree name in I&E and IPR	Master of Engineering	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									
	Year of Highest degree in I&E and IPR	2009									
82	DR.P.J.SATHISH KUMAR		Computer Science and Engineering		Associate Professor		Yes		Yes		
	Highest degree name in I&E and IPR	PhD	Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)	Mode of Delivery
	Degree Type	PhD									
	Year of Highest degree in I&E and IPR	2019									
83	KARTHIKEYAN A		Computer Science and Engineering		Assistant Professor		Yes		Yes		
	Highest degree name in I&E and IPR	Master of Engineering	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	Evolution of teaching learning process	IPR	FDP in I&E, IPR	Bharath institute of science and technology	Educational Institute	11-05-2020 00:00:00	15-05-2020 00:00:00	5	Online
	Year of Highest degree in I&E and IPR	2009	Principles of Management	Entrepreneurship/Startup	FDP in I&E, IPR	Panimalar Institute of technology	Educational Institute	18-05-2020 00:00:00	22-05-2020 00:00:00	5	Online
84	S.A.K. JAINULABUDEEN		Computer Science and Engineering		Assistant Professor		Yes		Yes		
	Highest degree name in I&E and IPR	Master of Engineering	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	Artificial Intelligence: an Industry Perspective	IPR, Innovation	FDP in I&E, IPR	Panimalar Institute of technology	Educational Institute	26-05-2020 00:00:00	01-06-2020 00:00:00	7	Online
	Year of Highest degree in I&E and IPR	2013	FDP on LaTeX	IPR, Innovation	FDP in I&E, IPR	MIT college of railway engineering and research	Educational Institute	14-05-2020 00:00:00	17-05-2020 00:00:00	4	Online
85	SANGEETHA KALYANIRAMAN		Computer Science and Engineering		Assistant Professor		Yes		Yes		
	Highest degree name in I&E and IPR	Master of Engineering	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									
	Year of Highest degree in I&E and IPR	2008									
86	MAHENDRAN M		Computer Science and Engineering		Assistant Professor		Yes		Yes		

Highest degree name in I&E and IPR	Master of Engineering			
Degree Type	PG			
Year of Highest degree in I&E and IPR	2008			

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

| 87 | SUBBURAJ S | | Computer Science and Engineering | | Assistant Professor | | Yes | | Yes | |

Highest degree name in I&E and IPR	Master of Engineering			
Degree Type	PG			
Year of Highest degree in I&E and IPR	2011			

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

| 88 | Dr.S.Balaji | | Computer Science and Engineering | | Associate Professor | | Yes | | Yes | |

Highest degree name in I&E and IPR	PhD			
Degree Type	PhD			
Year of Highest degree in I&E and IPR	2019			

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

| 89 | DR.P.J.SATHISH KUMAR | | Computer Science and Engineering | | Associate Professor | | Yes | | Yes | |

Highest degree name in I&E and IPR	PhD			
Degree Type	PhD			
Year of Highest degree in I&E and IPR	2019			

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

| 90 | Mr.M.Mohan | | Computer Science and Engineering | | Associate Professor | | Yes | | Yes | |

Highest degree name in I&E and IPR	Master of Engineering			
Degree Type	PG			
Year of Highest degree in I&E and IPR	2008			

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

| 91 | Mr.N.Sathish | | Computer Science and Engineering | | Associate Professor | | Yes | | Yes | |

Highest degree name in I&E and IPR	Master of Engineering			
Degree Type	PG			
Year of Highest degree in I&E and IPR	2009			

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

| 92 | Ms.S.Kumari | | Information Technology | | Assistant Professor | | Yes | | Yes | |

		Master of Engineering
	Highest degree name in I&E and IPR	Master of Engineering
	Degree Type	PG
		2007
	Year of Highest degree in I&E and IPR	

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
Latest Wireless and Computing Technologies	Innovation	FDP in I&E, IPR	National Institute of Technical Teachers Training and Research,Chandigarh	Govt. Agency (Central)	14-04-2020 00:00:00	18-04-2020 00:00:00	5	Online
Digital Forensics and Security Research	Innovation	FDP in I&E, IPR	-	Educational Institute	25-04-2020 00:00:00	29-04-2020 00:00:00	5	Online
FDP on LaTeX and Scilab	Innovation	FDP in I&E, IPR	-	Educational Institute	30-04-2020 00:00:00	04-05-2020 00:00:00	5	Online
-	Innovation	FDP in I&E, IPR	-	Educational Institute	04-05-2020 00:00:00	10-05-2020 00:00:00	7	Online
Research Methodology	Innovation	FDP in I&E, IPR	-	Educational Institute	19-05-2020 00:00:00	23-05-2020 00:00:00	5	Online
DATA STRUCTURES	Innovation	FDP in I&E, IPR	-	Educational Institute	25-05-2020 00:00:00	29-05-2020 00:00:00	5	Online
FDP on Ruby and Perl Programming	Innovation	FDP in I&E, IPR	-	Educational Institute	03-06-2020 00:00:00	08-06-2020 00:00:00	6	Online
-	Innovation	FDP in I&E, IPR	-	Educational Institute	15-05-2020 00:00:00	19-05-2020 00:00:00	5	Online

| 93 | Mrs.M.A.Gunavathie | | Information Technology | Assistant Professor | Yes | | Yes | |

		Master of Technology
	Highest degree name in I&E and IPR	Master of Technology
	Degree Type	PG
		2012
	Year of Highest degree in I&E and IPR	

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
Digital Forensics and Security Research	Innovation	FDP in I&E, IPR	-	Educational Institute	25-04-2020 00:00:00	29-04-2020 00:00:00	5	Online
-	Innovation	FDP in I&E, IPR	-	Educational Institute	30-04-2020 00:00:00	04-05-2020 00:00:00	5	Online
-	Innovation	FDP in I&E, IPR	-	Educational Institute	04-05-2020 00:00:00	10-05-2020 00:00:00	7	Online
FDP on Ruby and Perl Programming	Innovation	FDP in I&E, IPR	-	Educational Institute	03-06-2020 00:00:00	08-06-2020 00:00:00	6	Online
-	Innovation	FDP in I&E, IPR	-	Educational Institute	15-06-2020 00:00:00	19-06-2020 00:00:00	5	Online

| 94 | Mrs.S.Sharanyaa | | Information Technology | Assistant Professor | Yes | | Yes | |

	Highest degree name in I&E and IPR	Master of Technology	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	Python	Innovation	FDP in I&E, IPR	Vellore Institute of Technology	Educational Institute	05-05-2020 00:00:00	09-05-2020 00:00:00	5	Online
	Year of Highest degree in I&E and IPR	2011	PHP and MySQL	Innovation	FDP in I&E, IPR	Vellore Institute of Technology	Educational Institute	11-05-2020 00:00:00	15-05-2020 00:00:00	5	Online
			-	Innovation	FDP in I&E, IPR	-	Educational Institute	16-05-2020 00:00:00	20-05-2020 00:00:00	5	Online

95	Mr.S.Gopi		Information Technology		Assistant Professor		Yes			Yes	

	Highest degree name in I&E and IPR	Master of Technology	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	Planning and Management for Institutional Excellence	Innovation	FDP in I&E, IPR	National Institute of Technical Teachers Training and Research,Chandigarh	Govt. Agency (Central)	18-11-2019 00:00:00	22-11-2019 00:00:00	5	Online
	Year of Highest degree in I&E and IPR	2011									

96	Ms.S.Sylvia Irish		Information Technology		Assistant Professor		Yes			Yes	

	Highest degree name in I&E and IPR	Master of Engineering	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	Planning and Management for Institutional Excellence	Innovation	FDP in I&E, IPR	National Institute of Technical Teachers Training and Research,Chandigarh	Govt. Agency (Central)	18-11-2019 00:00:00	22-11-2019 00:00:00	5	Online
	Year of Highest degree in I&E and IPR	2015	Principles of Management	Innovation	FDP in I&E, IPR	Panimalar Institute of Technogy	Educational Institute	18-05-2020 00:00:00	22-05-2020 00:00:00	5	Online
			FDP on Effective and Instructive Research	Innovation	FDP in I&E, IPR	Sona College of Technology, Salem	Educational Institute	04-05-2020 00:00:00	10-05-2020 00:00:00	7	Online

97	Mrs.J.Hemavathy		Information Technology		Assistant Professor		Yes			Yes	

Highest degree name in I&E and IPR	Master of Technology
Degree Type	PG
Year of Highest degree in I&E and IPR	2014

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
Machine Learning and Research Opportunities	Innovation	FDP in I&E, IPR	Sapthagiri College of Engineering, Bengaluru	Educational Institute	15-06-2020 00:00:00	19-06-2020 00:00:00	5	Online
OOPS	Innovation	FDP in I&E, IPR	PANIMALAR INSTITUTE OF TECHNOLOGY	Educational Institute	22-06-2020 00:00:00	27-06-2020 00:00:00	6	Online
COMPUTER VISION USING DEEP LEARNING	Innovation	FDP in I&E, IPR	panimalar Engineering college	Educational Institute	26-06-2020 00:00:00	30-06-2020 00:00:00	5	Online

98	Ms.A.Nithya	Information Technology	Assistant Professor	Yes	Yes

Highest degree name in I&E and IPR	Master of Engineering
Degree Type	PG
Year of Highest degree in I&E and IPR	2013

Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)	Mode of Delivery
Planning and Management for Institutional Excellence	Innovation	FDP in I&E, IPR	National Institute of Technical Teachers Training and Research,Chandigarh	Govt. Agency (Central)	18-11-2019 00:00:00	22-11-2019 00:00:00	5	Online
Principles of Management	Innovation	FDP in I&E, IPR	Panimalar Institute of Technogy	Educational Institute	18-05-2020 00:00:00	22-05-2020 00:00:00	5	Online
FDP on Effective and Instructive Research	Innovation	FDP in I&E, IPR	Sona College of Technology, Salem	Educational Institute	04-05-2020 00:00:00	10-05-2020 00:00:00	7	Online

99	Ms.R.Jayashree	Information Technology	Assistant Professor	Yes	Yes

Highest degree name in I&E and IPR	Master of Engineering
Degree Type	PG
Year of Highest degree in I&E and IPR	2019

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
CYBER SECURITY	Innovation	FDP in I&E, IPR	SREYAS INSTITUTE OF ENGINEERING AND TECHNOLOGY	Educational Institute	19-06-2020 00:00:00	24-06-2020 00:00:00	6	Online
OOPS	Innovation	FDP in I&E, IPR	PANIMALAR INSTITUTE OF TECHNOLOGY	Educational Institute	22-06-2020 00:00:00	27-06-2020 00:00:00	6	Online
COMPUTER VISION USING DEEP LEARNING	Innovation	FDP in I&E, IPR	panimalar Engineering college	Educational Institute	26-06-2020 00:00:00	30-06-2020 00:00:00	5	Online

100	DR.C.ESAKKIAPPAN	ELECTRONICS AND INSTRUMENTATION ENGINEERING	PROFESSOR	Yes	Yes

	Highest degree name in I&E and IPR	PhD		Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)	Mode of Delivery
	Degree Type	PhD										
	Year of Highest degree in I&E and IPR	2013										
101	DR.R.MANIKANDAN		ELECTRONICS AND INSTRUMENTATION ENGINEERING	PROFESSOR		Yes			Yes			
	Highest degree name in I&E and IPR	PhD		Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)	Mode of Delivery
	Degree Type	PhD										
	Year of Highest degree in I&E and IPR	2015										
102	A.DHANALAKHSMI		ELECTRONICS AND INSTRUMENTATION ENGINEERING	ASSOCIATE PROFESSOR		Yes			Yes			
	Highest degree name in I&E and IPR	Master of Engineering		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										
	Year of Highest degree in I&E and IPR	2008										

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	Skill Development Consortium	Innovation Club	2019	None	Innovation Labs	2	Kishore J R	jr.kishore2000@gmail.com	9944712231
2	Eyanthra Robotics Process Automation Lab	Innovation Club	2019	Co-working Space	Innovation Park/Research Park	2	Mr.C.Thiyagarajan	thyagumaddy@gmail.com	044283838
3	ROBOTICS CLUB	Innovation Club	2017	Co-working Space	Incubation Unit	3	Dr. A.Ameelia Roseline	ameeliaroseline@gmail.com	9444512820
4	SOLAR CLUB	Innovation Club	2017	Co-working Space	Incubation Unit	2	Mr.U.Vasudevan	u.vasudevan85@gmail.com	9841135468
5	IOT CLUB	Innovation Club	2017	Co-working Space	Incubation Unit	2	Mr.G.Elumalai	elumalaig79@gmail.com	9944464332

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-	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	Had institute Generated Income either from Services Offered by Pre-Incubation	Had institute spent expenses either from own resource/received fund towards Establishment/Operation of Pre-Incubation Centre/Facilities?

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)

						Incubation Unit, if any (Optional)			implementation during the Financial Year 2019-20	Centre/Facilities?	
1	Entrepreneurship Development Cell	EDC	2012	Co-working Space	Incubation Unit	Incubation Unit	Facility Incharge Name: Dr.N.P ugezhe ndi / Facility Incharge Email: pugazh endi@ yahoo. com / Facility Incharge Phone: 996296 9429	60	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		EDII, Ahamadabad		Govt. Agency (Central)		0

2	Institute Innovation Council Cell	Innovation Centre	2018	Co-working Space	Innovation Park/Research Park	Innovation Park/Resear ch Park	Facility Incharge Name: Dr.S.M urugav alli / Facility Incharge Email: csehod @pani malar.a c.in / Facility Incharge Phone: 044264 90505	60	No	No	No
3	CLOUD BULL	Innovation Centre	2017	Co-working Space	IPR Cell/Technology Transfer Centre	IPR Cell/Technol ogy Transfer Centre	Facility Incharge Name: Mr.G.S enthilK umar / Facility Incharge Email: mailtos enthilk umar@ yahoo. com / Facility Incharge Phone: 044264 90404	60	No	No	No
4	IOT lab	Innovation Centre	2017	Co-working Space	Incubation Unit	Incubation Unit	Facility Incharge Name: Dr.S.M urugav alli / Facility Incharge Email: csehod @pani malar.a c.in / Facility Incharge Phone: 044264 90505	60	No	No	No

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)

5	IOT LAB(MODROBS)	Innovation Centre	2017	Work Stations	Innovation Labs	Innovation Labs			3	No	No	No
							Facility Incharge Name	Dr S Murug avalli				
							Facility Incharge Email	csehod @pani malar.a c.in				
							Facility Incharge Phone	044264 90404				

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

Srno	Name of CoE Facility	Year of Establishment	CoE with Access to Other I&E Facilities at the HEI	Name of the Funding Schemes Available with CoE, if any (Optional)	Facility Details		Total Nos of Dedicated Executive/Manag ement team Strength Engaged at the Facility	Had the CoE Provided any Funding Support for Idea/Prototype/Innovation Development and implementation during the Financial Year 2019-20?	Had institute Generated Income either from Services Offered by CoE Centre/Facilities?	Had institute spent expenses either from own resource/received fund towards Establishment/Operation of CoE Centre/Facilities?
1	Solar Novina	2017	Incubation Unit		Facility Incharge Name	Mr.U.V asudev an	3	No	No	No
					Facility Incharge Email	u.vasu devan 85@g mail.co m				
					Facility Incharge Phone	98411 35468				
2	Research Park	2018	Student Clubs		Facility Incharge Name	Dr.V.D .Ambet h Kumar	5	No	No	No
					Facility Incharge Email	dr.vda mbeth kumar @gmai l.com				
					Facility Incharge Phone	72001 91195				

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

Srno	Name of Incubation Facility	Year of Establishment	Incubation with Access to Other I&E Facilities at the HEI	Name of the Funding Schemes Available with Incubation Unit, if any (Optional)	Facility Details	Total Nos of Dedicated Executive/Manag ement team Strength Engaged at the Facility	Had the Incubation Facility Provided any Funding Support for Idea/Prototype/Innovation Development and implementation during the Financial Year 2019-20?	Had institute Generated Income either from Services Offered by Incubation Centre/Facilities?	Had institute spent expenses either from own resource/received fund towards Establishment/Operation of Incubation Centre/Facilities?

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

1	Centre for Excellence in NVH and NDT	2017	Pre-Incubation		Facility Incharge Name	Dr. L. Karthikeyan	5	Yes	No	Yes
					Facility Incharge Email	mechhod@panimalar.ac.in				
					Facility Incharge Phone	7200151195				

	Source of Grant / Fund	Agency Name	Agency Type	Total Grants / Funds Received by Incubation Facility exists in Campus (In Rupees)
	Funding Agency	ATALON Product Center Pvt. Ltd.,	Corporate / Industry Association	45000

2	Wireless Communication Research Lab	2017	Innovation Park/Research Park		Facility Incharge Name	Dr.B.Bhuvaneswari	3	No	No	No
					Facility Incharge Email	drbhuvanaramani@gmail.com				
					Facility Incharge Phone	9444485959				

3	IoT Lab	2017	Innovation Labs		Facility Incharge Name	Mr.G.Elumalai	3	No	No	No
					Facility Incharge Email	elumalaig79@gmail.com				
					Facility Incharge Phone	9944464332				

4	Research and Development Cell	2018	Innovation Park/Research Park		Facility Incharge Name	Dr.B.Bhuvaneswari	3	No	No	No
					Facility Incharge Email	drbhuvanaramani@gmail.com				
					Facility Incharge Phone	9444485959				

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

Srno	Name of Innovation Park/Research Park Facility	Year of Establishment	Innovation Park / Research Park with Access to Other I & E Facilities at the HEI	Name of the Funding Schemes Available with Research/Innovation Park, if any (Optional)	Facility Details		Total Nos of Dedicated Executive/Management team Strength Engaged at the Facility	Had the Research Park/Innovation Park Provided any Funding Support for Idea/Prototype/Innovation Development and implementation during the Financial Year 2019-20?	Had institute Generated Income either from Services Offered by Research Park/Innovation Park?	Had the Research Park/Innovation Park Provided any Funding Support for Idea/Prototype/Innovation/Start up/Venture Development and implementation during the Financial Year 2019-20?
1	Research Park	2018	Student Clubs		Facility Incharge Name	Dr.V.D.Ambeth Kumar	5	No	No	No
					Facility Incharge Email	dr.vdambethkumar@gmail.com				
					Facility Incharge Phone	7200191195				

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

Srno	Name of IPR Cell/Technology Transfer Centre Facility	Year of Establishment	IPR Cell/Technology Transfer Centre with Access to Other I&E Facilities at the HEI	Name of the Funding Schemes Available with IPR Cell/Technology Transfer Centre, if any (Optional)	Facility Details		Total Nos of Dedicated Executive/Management team Strength Engaged at the Facility	Had the IPR Cell/Technology Transfer Centre Provided any Funding Support for Idea/Prototype/Innovation Development and implementation during the Financial Year 2019-20?	Had institute Generated Income either from Services Offered by IPR Cell/Technology Transfer Centre?	Had the IPR Cell/Technology Transfer Centre Provided any Funding Support for Idea/Prototype/Innovation/Start up/Venture Development and implementation during the Financial Year 2019-20?
1	CLOUD BULL	2017	Innovation Park/Research Park		Facility Incharge Name	Mr.G.Senthilkumar	60	No	No	No
					Facility Incharge Email	mailtosenthilkumar@yahoo.com				
					Facility Incharge Phone	04426490404				
2	CLOUD BULL	2018	Incubation Unit		Facility Incharge Name	Mr.G.Senthilkumar	60	No	No	Yes
					Facility Incharge Email	mailtosenthilkumar@yahoo.com				
					Facility Incharge Phone	04426490404				

Source of Grant / Fund	Agency Name	Agency Type	Total Grants / Funds Received by Incubation Facility exists in Campus (In Rupees)

3	EINNEL TECHNOLOGIES	2017	Innovation Park/Research Park				25	No	No	Yes

Facility Incharge Name	Dr.N.Pugazhendi
Facility Incharge Email	pugazhendi@yahoo.com
Facility Incharge Phone	0442838381 8

Source of Grant / Fund	Agency Name	Agency Type	Total Grants / Funds Received by Incubation Facility exists in Campus (In Rupees)

4	ALTSENSE	2016	Student Clubs				100	Yes	No	Yes

Facility Incharge Name	Mr.S.A.K.Jainulabudeen
Facility Incharge Email	crazychallengers89@gmail.com
Facility Incharge Phone	0442838381 8

Source of Grant / Fund	Agency Name	Agency Type	Total Grants / Funds Received by Incubation Facility exists in Campus (In Rupees)

5	INFOZIANT SYSTEMS	2016	Student Clubs				100	Yes	No	Yes

Facility Incharge Name	Mr.S.Subburaj
Facility Incharge Email	subburajs87@gmail.com
Facility Incharge Phone	0442838381 8

Source of Grant / Fund	Agency Name	Agency Type	Total Grants / Funds Received by Incubation Facility exists in Campus (In Rupees)

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

6	Centre for Excellence in NVH and NDT	2017	Pre-Incubation		Facility Incharge Name	Dr. L. Karthik eyan	5	Yes	No	Yes
					Facility Incharge Email	mechh od@p animal ar.ac.i n				
					Facility Incharge Phone	72001 51195				

Source of Grant / Fund	Agency Name	Agency Type	Total Grants / Funds Received by Incubation Facility exists in Campus (In Rupees)

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

Srno	Name of the Faculty	Designation of the Faculty	Mentor Expert Area	Years of Experience in Mentorship (In Years)
1	DR.S.Murugavalli	Professor	Idea/Innovation Development	20

	Name of Idea/Innovation/ Startup Mentored	Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	Ideathon	Within	
	Website Development and Maintenance	Outside	

2	Mr.M.Mohan	Associate Professor	Idea/Innovation Development	10

	Name of Idea/Innovation/ Startup Mentored	Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	Automated Systems for Transportation Services	Outside	

3	SANGEETHA KALYANIRAMAN	Assistant Professor	Idea/Innovation Development	10

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

4	Dr.L.JABASHEELA	Professor	Idea/Innovation Development	18

	Name of Idea/Innovation/ Startup Mentored	Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	PHYSIOCOMM (Online Appointment fixing System for Physiotherapists)	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	Thick India	Idea/Innovation Development	Structured Mentorship

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

		Structured Mentorship Program Name	Start Date	End Date	Total No of Days of Mentorship Program	No of Mentors Involved	Mentorship Cohort Size (No. of Mentee)	Type of Mentee
		PCB Designing	11-06-2019	14-06-2019	4	2	48	Early Stage Startup
2	Gemco Training Institute			Idea/Innovation Development				Structured Mentorship
		Structured Mentorship Program Name	Start Date	End Date	Total No of Days of Mentorship Program	No of Mentors Involved	Mentorship Cohort Size (No. of Mentee)	Type of Mentee
		Solar Energy Based Photo Voltaic System	27-06-2019	27-06-2019	1	2	45	Early Stage Startup
3	Indus Auto Tech			Idea/Innovation Development				Structured Mentorship
		Structured Mentorship Program Name	Start Date	End Date	Total No of Days of Mentorship Program	No of Mentors Involved	Mentorship Cohort Size (No. of Mentee)	Type of Mentee
		Industrial Automation Training in PLC /SCADA	26-11-2019	27-11-2019	2	2	55	Early Stage Startup
4	Infoziant			Idea/Innovation Development				Structured Mentorship
		Structured Mentorship Program Name	Start Date	End Date	Total No of Days of Mentorship Program	No of Mentors Involved	Mentorship Cohort Size (No. of Mentee)	Type of Mentee
		Automated Systems for Transportation Services	06-08-2019	21-02-2020	200	3	1	Innovation/Prototype
5	CLOUD BULL INDIA			Idea/Innovation Development				Structured Mentorship
		Structured Mentorship Program Name	Start Date	End Date	Total No of Days of Mentorship Program	No of Mentors Involved	Mentorship Cohort Size (No. of Mentee)	Type of Mentee
		Automated Billing Software	19-06-2019	20-12-2019	185	3	3	Innovation/Prototype
6	ALTSENSE			Idea/Innovation Development				Structured Mentorship
		Structured Mentorship Program Name	Start Date	End Date	Total No of Days of Mentorship Program	No of Mentors Involved	Mentorship Cohort Size (No. of Mentee)	Type of Mentee
		Inventory System	11-07-2019	28-02-2020	233	5	3	Innovation/Prototype
		PHYSIOCOMM (Online Appointment fixing System for P	10-07-2019	30-12-2019	174	3	3	Innovation/Prototype
7	EINNEL TECHNOLOGIES			Idea/Innovation Development				Structured Mentorship
		Structured Mentorship Program Name	Start Date	End Date	Total No of Days of Mentorship Program	No of Mentors Involved	Mentorship Cohort Size (No. of Mentee)	Type of Mentee
		Website Development and Maintenance	19-07-2019	29-01-2020	195	3	5	Innovation/Prototype
8	Exotic Power Solutions Pvt. Ltd			Idea/Innovation Development				Structured Mentorship

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

	Structured Mentorship Program Name	Start Date	End Date	Total No of Days of Mentorship Program	No of Mentors Involved	Mentorship Cohort Size (No. of Mentee)	Type of Mentee
	Design of SMPS	06-08-2019	21-02-2020	200	3	1	Innovation/Prototype
9	ABE Semiconductor Designs		Idea/Innovation Development				Structured Mentorship
	Structured Mentorship Program Name	Start Date	End Date	Total No of Days of Mentorship Program	No of Mentors Involved	Mentorship Cohort Size (No. of Mentee)	Type of Mentee
	IOT controlled vehicle design	19-06-2019	20-06-2019	2	3	5	Innovation/Prototype
10	Suntastic Solar Systems Pvt. Ltd		Idea/Innovation Development				Structured Mentorship
	Structured Mentorship Program Name	Start Date	End Date	Total No of Days of Mentorship Program	No of Mentors Involved	Mentorship Cohort Size (No. of Mentee)	Type of Mentee
	PV based Converters	11-07-2019	13-07-2019	3	5	3	Innovation/Prototype
	Design of PV based inverters	03-08-2019	06-08-2019	4	3	3	Innovation/Prototype
	implementation of PV controlled Vehicles	10-07-2019	12-07-2019	3	3	5	Innovation/Prototype
11	Rajiv Gandhi Memorial Telecom Training Centre, BSNL		Idea/Innovation Development				Structured Mentorship
	Structured Mentorship Program Name	Start Date	End Date	Total No of Days of Mentorship Program	No of Mentors Involved	Mentorship Cohort Size (No. of Mentee)	Type of Mentee
	Design of MIMO antenna-	03-08-2019	06-08-2019	4	5	3	Innovation/Prototype
	implementation of 4G	10-07-2019	13-07-2019	4	5	3	Innovation/Prototype
	Design of 5G antenna in LTE	09-07-2019	11-07-2019	3	3	3	Innovation/Prototype

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

Srno	Name of the Innovation Generated with the Support of HEI	Type of Innovation	Nature of Innovation	Name of the HEI Supported Innovation Development	Innovation Developed by	Stage of Innovation/ Stage of TRL it started receiving the Support during the FY 2019-20	Stage of Innovation/ Stage of TRL reached as on 31st March 2020	Status Pre-Incubation/Incubation Support to Innovation as on 31st March 2020	Had the Innovation Received any Recognition at State, National, International Level Programs during the financial period 2019-20	Had the Innovation Converted into Venture/ Startup/ SME Unit during the financial period 2019-20	Had Centre/institute provided any Financial support (either own resource or fund received from agencies) in terms of Seed Grant/Fund Support to Idea / Prototype / Innovations Development during the financial period 2019-20	Had the Innovations raised any Seed fund/Angel Investment/VC during the period of receiving pre-incubation/incubation support at your Pre-incubation/incubation or HEI during the financial period 2019-20	Had the Pre-incubation/Incubation Centre/HEI received any income/revenue from Idea/Prototype/Innovations for the pre-incubation/incubation support and the services offered by Pre-incubation/incubation or institute during the financial period 2019

1	Healthcare Monitoring with Fog based IoT kit and One Time Pad Encryption	Process Innovation	Technological	IOT Lab	Student	TRL 2 : Technology formulation . Concept and application have been formulated.	TRL 2 : Technology formulation . Concept and application have been formulated.	Innovation Development Completed	No	No	No	No	No

Name	Type	Gender	Email	Contact
Gandham Mahima	Student	Female	gandhamahima@yahoo.com	04428383818

Name	Type	Gender	Email	Contact
Ezhiloviya Chelvan,Ilakkiya S	Student	Female	ilakiya@gmail.com	04426490404

2	Persuasive E-Farming Framework for Sustainable Agricultural Development	Process Innovation	Technological	Institute Innovation Council Cell	Student	TRL 2 : Technology formulation . Concept and application have been formulated.	TRL 2 : Technology formulation . Concept and application have been formulated.	Innovation Development Completed	No	No	No	No	No

Name	Type	Gender	Email	Contact
BHARAT RAJ.A	Student	Male	santhoshcliff110@gmail.com	9171021504

Name	Type	Gender	Email	Contact
BALAJEE.R.J.S ,GANESHAN.P	Student	Male	ganeshanp@gmail.com	04426490405

3	Scalable resource allocation in private cloud using opennebula	Process Innovation	Technological	Cloud Bull	Student	TRL 2 : Technology formulation . Concept and application have been formulated.	TRL 2 : Technology formulation . Concept and application have been formulated.	Innovation Development Completed	No	No	No	No	No

Name	Type	Gender	Email	Contact
Nithish C	Student	Male	nithishcm@gmail.com	04428383818

Name	Type	Gender	Email	Contact
Karthick T,NAGARAJ V	Student	Male	kartikt@gmail.com	04428383818

4	Detection And Classification Of Retinal Lesions In Fundus Images	Process Innovation	Technol ogical	IOT Lab	Stude nt	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 Complet ed	No	No	No	No	No

Name	Type	Gender	Email	Contact
PADMAVATHY.P	Student	Female	balajiit@gmail.com	0442490404

Name	Type	Gender	Email	Contact
SINDHU.C,SfWATHI SRI.R	Student	Female	sindhuit@gmail.com	0442490505

5	SIM CARD EJECTION USING ACTUATOR	Process Innovation	Technol ogical	EDC cell	Stude nt	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 Complet ed	No	No	No	No	No

Name	Type	Gender	Email	Contact
Saran Arul Yogan A	Student	Male	saranayogan@gmail.com	04428383818

Name	Type	Gender	Email	Contact
Vishal K,Vanka Hemanth Sai	Student	Male	kvishalw@gmail.com	04428383818

6	Design and analysis of tool for circlip in piston sub assembly at ZD-30 engine assembly	Product Innovation	Technol ogical	Centre for Excellen ce in NVH and NDT	Facul ty	TRL 0 : Idea. Unpr oven conc ept, no testin g has been perfor med.	TRL 0 : Idea. Unpr oven conc ept, no testin g has been perfor med.	Innovati on Develop ment Complet ed	No	No	Grant Amount in Rs / 45000	No	No

Name		Type		Gender		Email		Contact
Mr.B.Balamugundan		Faculty		Male		mugundan7503@gmail.com		9080405205

Name		Type		Gender		Email		Contact
Mr. C. Vinoth Kumar		Faculty		Male		vinosath@gmail.com		9994191954

7	"GARMENT FEATURES RECOGNITION AID FOR VISUALLY IMPAIRED PEOPLE "	Process Innovation	Technol ogical	researc h park	Facul ty	TRL 0 : Idea. Unpr oven conc ept, no testin g has been perfor med.	TRL 0 : Idea. Unpr oven conc ept, no testin g has been perfor med.	Innovati on Develop ment Complet ed	No	No	No	No	No

Name		Type		Gender		Email		Contact
Mr.G.elumalai		Faculty		Male		elumalaig79@gmail.com		9944464332

8	DESIGN AND DEVELOPMENT OF WIRELESS CONTROLLED WRITING ROBOT	Process Innovation	Technol ogical	Researc h and Develop ment Cell	Stude nt-Facul ty	TRL 0 : Idea. Unpr oven conc ept, no testin g has been perfor med.	TRL 1 : Basic resea rch. Princi ples postu lated and obser ved but no exper iment al proof availa ble.	Innovati on Develop ment Complet ed	No	No	No	No	No

Name		Type		Gender		Email		Contact
Mr.G.elumalai		Faculty		Male		elumalaig79@gmail.com		9944464332

| 9 | IMAGE ENHANCING SYSTEM ON SURVEILLANCE TECHNOLOGY AND PRIVACY ENHANCING DESIGN | Process Innovation | Technol ogical | researc h park | Stude nt-Facul ty | TRL 0 : Idea. Unpr oven conc ept, no testin g has been perfor med. | TRL 1 : Basic resea rch. Princi ples postu lated and obser ved but no exper iment al proof availa ble. | Innovati on Develop ment Ongoing | No | No | No | No | No |

Name	Type	Gender	Email	Contact
Mr.G.elumalai	Faculty	Male	elumalaig79@gmail.com	9944464332

| 10 | Smart ambulance system with remote knowledge communication through cloud | Process Innovation | Technol ogical | researc h park | Stude nt-Facul ty | TRL 0 : Idea. Unpr oven conc ept, no testin g has been perfor med. | TRL 1 : Basic resea rch. Princi ples postu lated and obser ved but no exper iment al proof availa ble. | Innovati on Develop ment Complet ed | No | No | No | No | No |

Name	Type	Gender	Email	Contact
Mr.G.elumalai	Faculty	Male	elumalaig79@gmail.com	9944464332

| 11 | BLE BEACON-BASED LOCATION TRACKING SYSTEM | Process Innovation | Technol ogical | researc h park | Stude nt-Facul ty | TRL 0 : Idea. Unpr oven conc ept, no testin g has been perfor med. | TRL 0 : Idea. Unpr oven conc ept, no testin g has been perfor med. | Innovati on Develop ment Ongoing | No | No | No | No | No |

Name	Type	Gender	Email	Contact
Dr.B.Bhuvaneswari	Faculty	Female	drbhuvanaramani@gmail.com	9444485959

#	Title												
12	A structural prototype for human detection and monitoring of UAV in mobile network	Process Innovation	Technological	research park	Student-Faculty	TRL 0 : Idea. Unproven concept, no testing has been performed.	TRL 0 : Idea. Unproven concept, no testing has been performed.	Innovation Development Ongoing	No	No	No	No	No

Name	Type	Gender	Email	Contact
Dr.B.Bhuvaneswari	Faculty	Female	drbhuvanaramani@gmail.com	9444485959

#	Title												
13	"DESIGN OF LOW POWER 1 BIT FULL ADDER USING VARIABLE SUB-THRESHOLD VOLTAGE "	Process Innovation	Technological	research park	Student-Faculty	TRL 0 : Idea. Unproven concept, no testing has been performed.	TRL 0 : Idea. Unproven concept, no testing has been performed.	Innovation Development Completed	No	No	No	No	No

Name	Type	Gender	Email	Contact
Dr.B.Bhuvaneswari	Faculty	Female	drbhuvanaramani@gmail.com	9444485959

#	Title												
14	"COGNITIVE ANALYSIS OF IoT BASED WATER POLLUTION MANAGEMENT SYSTEM "	Process Innovation	Technological	research park	Student-Faculty	TRL 0 : Idea. Unproven concept, no testing has been performed.	TRL 0 : Idea. Unproven concept, no testing has been performed.	Innovation Development Ongoing	No	No	No	No	No

Name	Type	Gender	Email	Contact
Dr.B.Bhuvaneswari	Faculty	Female	drbhuvanaramani@gmail.com	9444485959

#	Title												
15	"DIAGNOSIS OF DERMATOLOGICAL DISEASES USING 3D PROJECTION "	Process Innovation	Technological	research park	Student-Faculty	TRL 0 : Idea. Unproven concept, no testing has been performed.	TRL 0 : Idea. Unproven concept, no testing has been performed.	Innovation Development Ongoing	No	No	No	No	No

Name				Type				Gender		Email		Contact
Mr.U.Vasudevan				Faculty				Male		u.vasudevan85@gmail.com		9841135468

| 16 | "Design of underater wireless communication using IoT Technology " | Process Innovation | Technological | research park | Student-Faculty | TRL 0 : Idea. Unproven concept, no testing has been performed. | TRL 0 : Idea. Unproven concept, no testing has been performed. | Innovation Development Ongoing | No | | No | No | No | No |

Name				Type				Gender		Email		Contact
Mr.U.Vasudevan				Faculty				Male		u.vasudevan85@gmail.com		9841135468

| 17 | "Automatic Power Factor Correction and Monitoring System" | Service Innovation | Technological | IoT Lab | 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 | No | | No | No | | |

Loan/Investment Agency Name	Advantech Instruments and Services
Agency Type	Non-Govt. Agencies
Total Loan/Angel Investment/VC Fund raised by Start-up during the period of pre-incubation/incubation support at your Pre-incubation/incubation or institute financial period 2019-20 (in Rupees)	80000
Date of Investment Raised	01-07-2019

Amount Received in Rs. — 80000

Name				Type				Gender		Email		Contact
Dr. M. Rajmal Joshi				Faculty				Male		rajmaljoshi@gmail.com		04426490404

Name				Type				Gender		Email		Contact
Mrs. S. Pushpa				Faculty				Female		puvehava@gmail.com		04426490404

| 18 | "Harmonic Reduction using Shunt Active Power Filters" | Service Innovation | Technol ogical | IoT Lab | Facul ty | TRL 1 : Basic resea rch. Princi ples postu lated and obser ved but no exper iment al proof availa ble. | TRL 3 : Appli ed resea rch. First labor atory tests comp leted; proof of conc ept. | Innovati on Develop ment Ongoing | No | | No | No | | | |

	Loan/Investment Agency Name	Crystal clear technolog y and Innovatio n
	Agency Type	Non-Govt. Agencies
	Total Loan/Angel Investment/VC Fund raised by Start-up during the period of pre-incubation/incubati on support at your Pre-incubation/incubati on or institute financial period 2019-20 (in Rupees)	60000
	Date of Investment Raised	19-08-20 19

Amount Received in Rs. 60000

Name	Type	Gender	Email	Contact
Dr. A. Sivakumar	Faculty	Male	arunsiva75@gmail.com	04426490404

Name	Type	Gender	Email	Contact
Mr. S. Balaji	Faculty	Male	yes_balagee@yahoo.co.in	04426490404

| 19 | AUTONOMOUS RC HOSPITAL SMART BED FOR ACCIDENT PATIENTS | Product Innovation | Technol ogical | Researc h Park | Stude nt-Facul ty | TRL 0 : Idea. Unpr oven conc ept, no testin g has been perfor med. | 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
Mrs S.Vimala	Faculty	Female	vimalakumaran@gmail.com	7395978385

Name	Type	Gender	Email	Contact
ASHWINI.N	Student	Female	pariblossom22@gmail.com	6379856922

20	AN EFFECTIVE METHODOLOGY FOR CAR SECURITY AND DRIVER ELIGIBILITY	Product Innovation	Technological	Research Park	Student-Faculty	TRL 0 : Idea. Unproven concept, no testing has been performed.	TRL 2 : Technology formulation. Concept and application have been formulated.	Innovation Development Ongoing	No	No	No	No	No

Name	Type	Gender	Email	Contact
Dr. S. MALATHI	Faculty	Female	medean@panimalar.ac.in	9790793852

Name	Type	Gender	Email	Contact
PREETHI.J	Student	Female	preethijayakumar198@gmail.com	8220344236

21	Building Capacity to tackle design engineering and manufacutring challenges in India through knowledge based engineering and promoting sustainable performance(PSP) system	Process Innovation	Technological	Research Park	Student-Faculty	TRL 0 : Idea. Unproven concept, no testing has been performed.	TRL 0 : Idea. Unproven concept, no testing has been performed.	Innovation Development Ongoing	No	No	No	No	No

Name	Type	Gender	Email	Contact
Dr.S.Malathi	Faculty	Female	medean@panimalar.ac.in	9790793852

Name	Type	Gender	Email	Contact
Mr.S.Subburaj Mr.G.Kadhiravan Mr.Gulam Mustafa	Student	Male	subburajs87@gmail.com	9789883303

22	SIGN LANGUAGE TO TEXT CONVERSION USING IMAGE PROCESSING AND NATURAL LANGUAGE PROCESSING	Process Innovation	Technological	Research Park	Faculty	TRL 0 : Idea. Unproven concept, no testing has been performed.	TRL 0 : Idea. Unproven concept, no testing has been performed.	Innovation Development Ongoing	No	No	No	No	No

Name	Type	Gender	Email	Contact
Subburaj.S	Faculty	Male	subburajs87@gmail.com	9789883303

	Name				Type				Gender			Email		Contact
	Dr. S.MURUGAVALLI				Faculty				Female			csehod@panimalar.ac.in		-

23	Precise analysis of neuropathy with cardiovascular disease	Process Innovation	Technol ogical	Researc h Park	Facul ty	TRL 0 : Idea. Unpr oven conc ept, no testin g has been perfor med.	TRL 0 : Idea. Unpr oven conc ept, no testin g has been perfor med.	Innovati on Develop ment Ongoing	No		No	No		No		No	No

	Name				Type				Gender			Email		Contact
	V.Sathya Preiya				Faculty				Female			sathyapreiya@yahoo.com		9941680419

	Name				Type				Gender			Email		Contact
	Dr.V.D.AMBETH KUMAR				Faculty				Male			dr.vdambethkumar@gmail.com		-

24	Internet of Things Enabled Cloud Based Web Service Architecture for Electronic Health Applications	Process Innovation	Technol ogical	Researc h Park	Facul ty	TRL 0 : Idea. Unpr oven conc ept, no testin g has been perfor med.	TRL 0 : Idea. Unpr oven conc ept, no testin g has been perfor med.	Innovati on Develop ment Ongoing	No		No	No		No		No	No

	Name				Type				Gender			Email		Contact
	N.SATHISH				Faculty				Male			naathishme@gmail.com		9942891066

	Name				Type				Gender			Email		Contact
	Dr. K. VALARMATHI				Faculty				Female			valarmathi_1970@yahoo.co.in		-

25	The Emerging Role Of Big Data Analytics and Fog- Computing In Disaster Management	Process Innovation	Technol ogical	Researc h Park	Facul ty	TRL 0 : Idea. Unpr oven conc ept, no testin g has been perfor med.	TRL 0 : Idea. Unpr oven conc ept, no testin g has been perfor med.	Innovati on Develop ment Ongoing	No		No	No		No		No	No

	Name				Type				Gender			Email		Contact
	HEMA PRIYA K				Faculty				Female			hemu.june3@gmail.com		9840819389

Name	Type	Gender	Email	Contact
Dr. K. VALARMATHI	Faculty	Female	valarmathi_1970@yahoo.co.in	-

26	Compressive Sensing Framework for Accurate Detection of Retinal Retinal Lesions for Screening Diabetic Retinopathy	Process Innovation	Technol ogical	Researc h Park	Facul ty	TRL 0 : Idea. Unpr oven conc ept, no testin g has been perfor med.	TRL 0 : Idea. Unpr oven conc ept, no testin g has been perfor med.	Innovati on Develop ment Ongoing	No		No	No		No	No

Name	Type	Gender	Email	Contact
S. HEMAMALINI	Faculty	Female	hemamalini.selvamani@gmail.com	9940512459

Name	Type	Gender	Email	Contact
Dr.V.D.AMBETH KUMAR	Faculty	Male	dr.vdambethkumar@gmail.com	8667080877

27	Big Data Analytics Enabled Technique for Smart Health Care Systems	Process Innovation	Technol ogical	Researc h Park	Facul ty	TRL 0 : Idea. Unpr oven conc ept, no testin g has been perfor med.	TRL 0 : Idea. Unpr oven conc ept, no testin g has been perfor med.	Innovati on Develop ment Ongoing	No		No	No		No	No

Name	Type	Gender	Email	Contact
S.Vimala	Faculty	Female	vimalakumaran@gmail.com	7395978385

Name	Type	Gender	Email	Contact
Dr. K. VALARMATHI	Faculty	Female	valarmathi_1970@yahoo.co.in	-

28	An Extensive Agro-Tech on Automation in Agriculture using Machine Learning	Process Innovation	Technol ogical	Researc h Park	Facul ty	TRL 0 : Idea. Unpr oven conc ept, no testin g has been perfor med.	TRL 0 : Idea. Unpr oven conc ept, no testin g has been perfor med.	Innovati on Develop ment Ongoing	No		No	No		No	No

Name	Type	Gender	Email	Contact
JACKULIN.C	Faculty	Female	chin.jackulin@gmail.com	8939229230

	Name						Type		Gender			Email		Contact
	Dr.S.Murugavalli				Faculty				Female			csehod@panimalar.ac.in		-

#														
29	Trusted Protection for Data Streaming in cloud sustained System	Process Innovation	Technological	Research Park	Faculty	TRL 0 : Idea. Unproven concept, no testing has been performed.	TRL 0 : Idea. Unproven concept, no testing has been performed.	Innovation Development Ongoing	No	No	No	No	No	No

	Name						Type		Gender			Email		Contact
	K.Muthulakshmi				Faculty				Female			akmuthube@gmail.com		9841356178

	Name						Type		Gender			Email		Contact
	Dr. K. VALARMATHI				Faculty				Female			valarmathi_1970@yahoo.co.in		-

#														
30	Large scale image retrieval using Machine learning approach	Process Innovation	Technological	Research Park	Faculty	TRL 0 : Idea. Unproven concept, no testing has been performed.	TRL 0 : Idea. Unproven concept, no testing has been performed.	Innovation Development Ongoing	No	No	No	No	No	No

	Name						Type		Gender			Email		Contact
	K.Lalitha				Faculty				Female			lali.kalai@gmail.com		9790465259

	Name						Type		Gender			Email		Contact
	Dr.S.MURUGAVALLI				Faculty				Female			csehod@panimalar.ac.in		8072903133

#														
31	AN EFFICIENT FIRE PREVENTION SYSTEM IN TRAIN USING COMPARTMENT EVICTION MECHANISM	Product Innovation	Technological	Research Park	Student-Faculty	TRL 0 : Idea. Unproven concept, no testing has been performed.	TRL 2 : Technology formulation. Concept and application have been formulated.	Innovation Development Ongoing	No	No	No	No	No	No

	Name	Type	Gender	Email	Contact
	Dr. K.VALARMATHI	Faculty	Female	valarmathi_1970@yahoo.co.in	9095555514

	Name	Type	Gender	Email	Contact
	BAGHYALAKSHMI.R	Student	Female	rbanu96@gmail.com	9597188393

32	Wastewater treatment using MBR for irrigation	Process Innovation	Technological	Environmental engineering lab	Student-Faculty	TRL 0 : Idea. Unproven concept, no testing has been performed.	TRL 0 : Idea. Unproven concept, no testing has been performed.	Innovation Development Completed	No	No	No	No	No

	Name	Type	Gender	Email	Contact
	Mrs.Lakshmipriya	Faculty	Female	surkash2000@yahoo.co.in	9840653004

33	Treatment of textile effluent using tea waste as absosrbent	Process Innovation	Technological	Environmental engineering lab	Student-Faculty	TRL 0 : Idea. Unproven concept, no testing has been performed.	TRL 0 : Idea. Unproven concept, no testing has been performed.	Innovation Development Completed	No	No	No	No	No

	Name	Type	Gender	Email	Contact
	Dr.Latha	Faculty	Female	lathaganesan.a@gmail.com	9962602435

34	Experimental study on conversion of highly contaminated bore water to portable water	Process Innovation	Technological	Environmental engineering lab	Student-Faculty	TRL 0 : Idea. Unproven concept, no testing has been performed.	TRL 0 : Idea. Unproven concept, no testing has been performed.	Innovation Development Completed	No	No	No	No	No

	Name	Type	Gender	Email	Contact
	Mr.S.Manigandan	Faculty	Male	yuva5555@gmail.com	8695523905

35	Recharge of ground water using treated grey water by optimized filter	Process Innovation	Technological	Environmental engineering lab	Student-Faculty	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	Innovation Development Completed	No	No	No	No	No

Name	Type	Gender	Email	Contact
Dr.K.Dhanasekar	Faculty	Male	dkollu@gmail.com	9840930902

36	Experimental study on behavior of concrete with bacillus subtilis	Process Innovation	Technological	Concrete Lab	Student-Faculty	TRL 0 : Idea. Unproven concept, no testing has been performed.	TRL 0 : Idea. Unproven concept, no testing has been performed.	Innovation Development Completed	No	No	No	No	No

Name	Type	Gender	Email	Contact
Mr.Ranjith Kumar	Faculty	Male	ranju.sp15@gmail.com	7200507560

37	The experimental investigation of replacement of Msand with Foundry sand	Process Innovation	Technological	Concrete Lab	Student-Faculty	TRL 0 : Idea. Unproven concept, no testing has been performed.	TRL 0 : Idea. Unproven concept, no testing has been performed.	Innovation Development Completed	No	No	No	No	No

Name	Type	Gender	Email	Contact
Mr.A.Venkatesan	Faculty	Male	civilvenkat6@gmail.com	9443306066

38	Conversion of plastic into bio oil by pyrolysis (catalyst method)	Process Innovation	Technol ogical	Environ mental enginee ring lab	Stude nt-Facul ty	TRL 0 : Idea. Unpr oven conc ept, no testin g has been perfor med.	TRL 0 : Idea. Unpr oven conc ept, no testin g has been perfor med.	Innovati on Develop ment Complet ed	No	No	No	No	No

Name	Type	Gender	Email	Contact
Mr.K.Sharan kumar	Faculty	Male	sksharan5@gmail.com	9791042373

39	Experimental study on improvement of indoor air quality using activated carbon air filter	Process Innovation	Technol ogical	Environ mental enginee ring lab	Stude nt-Facul ty	TRL 0 : Idea. Unpr oven conc ept, no testin g has been perfor med.	TRL 0 : Idea. Unpr oven conc ept, no testin g has been perfor med.	Innovati on Develop ment Complet ed	No	No	No	No	No

Name	Type	Gender	Email	Contact
Mr.S.Haribabu	Faculty	Male	haricivil.hb@gmail.com	8903063653

40	Analysis of physiochemical parameters of surface water in chennai	Process Innovation	Technol ogical	Environ mental enginee ring lab	Stude nt-Facul ty	TRL 0 : Idea. Unpr oven conc ept, no testin g has been perfor med.	TRL 0 : Idea. Unpr oven conc ept, no testin g has been perfor med.	Innovati on Develop ment Complet ed	No	No	No	No	No

Name	Type	Gender	Email	Contact
Mrs.B.krishnakumari	Faculty	Female	kumaribalasubramanian@gmail.com	9994249216

| 41 | Blossom Community Care | Process Innovation | Technological | Research Park | Student-Faculty | TRL 9 : Full commercial application, technology available for consumers. | TRL 9 : Full commercial application, technology available for consumers. | Innovation Development Completed | No | | No | Grant Amount in Rs | 7500 | | | No |

Loan/Investment Agency Name	Nyx Wolves Freelance and Business Solutions Pvt Ltd
Agency Type	Non-Govt. Agencies
Total Loan/Angel Investment/VC Fund raised by Start-up during the period of pre-incubation/incubation support at your Pre-incubation/incubation or institute financial period 2019-20 (in Rupees)	7500
Date of Investment Raised	30-07-2019

Name	Type	Gender	Email	Contact
Dr.M.Heldamercy	Faculty	Female	mercy_hilda@yahoo.co.in	9176264911

Name	Type	Gender	Email	Contact
M.A.Gunavathie	Faculty	Female	gunavathie.ap@gmail.com	9597394192

| 42 | Algabiome | Process Innovation | Technological | Research Park | Student-Faculty | TRL 9 : Full commercial application, technology available for consumers. | TRL 9 : Full commercial application, technology available for consumers. | Innovation Development Completed | No | | No | Grant Amount in Rs | 14000 | No | | No |

Name	Type	Gender	Email	Contact
Dr.B.AnniPrincy	Faculty	Female	shiyaprincy27@gmail.com	9790880599

Name	Type	Gender	Email	Contact
K.Nithya	Faculty	Female	nithyashree.a@gmail.com	9551543804

43	Chandvel Technologies	Process Innovation	Technological	Research Park	Student-Faculty	TRL 9 : Full commercial application, technology available for consumers.	TRL 9 : Full commercial application, technology available for consumers.	Innovation Development Completed	No	No	Grant Amount in Rs 9000	No	No

Name	Type	Gender	Email	Contact
Dr.D.Karunkuzhali	Faculty	Female	karunkuzhali@gmail.com	9952612930

Name	Type	Gender	Email	Contact
S.Sharanyaa	Faculty	Female	rnsharanyaa@gmail.com	8939929765

44	Automated Systems for Transportation Services	Service Innovation	Technological	CLOUD BULL	Faculty	TRL 2 : Technology formulation . Concept and application have been formulated.	TRL 2 : Technology formulation . Concept and application have been formulated.	Innovation Development Completed	No	No	Grant Amount in Rs 60000	No	No

Name	Type	Gender	Email	Contact
Mr.M.Mohan	Faculty	Male	rmmohan@gmail.com	04428383818

Name	Type	Gender	Email	Contact
Mr.M.Krishnamurthy	Faculty	Male	krishpec@gmail.com	04428383818

45	Website Development and Maintenance	Service Innovation	Technological	CLOUD BULL	Faculty	TRL 2 : Technology formulation . Concept and application have been formulated.	TRL 2 : Technology formulation . Concept and application have been formulated.	Innovation Development Completed	No	No	Grant Amount in Rs	45000				Amount Received in Rs.	45000

Loan/Investment Agency Name	Kavya Constructions Pvt. Ltd
Agency Type	Corporate / Industry Association
Total Loan/Angel Investment/VC Fund raised by Start-up during the period of pre-incubation/incubation support at your Pre-incubation/incubation or institute financial period 2019-20 (in Rupees)	45000
Date of Investment Raised	19-07-2019

Name	Type	Gender	Email	Contact
Dr.S.Murugavalli	Faculty	Female	csehod@panimalar.ac.in	04428383818

Name	Type	Gender	Email	Contact
Kavitha Subramani	Faculty	Female	kavitha_bhskr@yahoo.com	04426490404

46	Online Appointment fixing System for Physiotherapists	Service Innovation	Technological	CLOUD BULL	Faculty	TRL 2 : Technology formulation . Concept and application have been formulated.	TRL 2 : Technology formulation . Concept and application have been formulated.	Innovation Development Completed	No	No	Grant Amount in Rs	40000	No	Amount Received in Rs.	40000

Name	Type	Gender	Email	Contact
Dr.L.Jabasheela	Faculty	Female	peccse2@gmail.com	04428383818

Name	Type	Gender	Email	Contact
V.Anitha Moses	Faculty	Female	ANITHAARUN07@GMAIL.COM	04426490505

#	Title										Grant Amount in Rs		
47	An Intelligent system to prevent the spreading of sensitive content online	Service Innovation	Technological	Cloud Bull	Faculty	TRL 2 : Technology formulation . Concept and application have been formulated.	TRL 2 : Technology formulation . Concept and application have been formulated.	Innovation Development Completed	No	No	7500	No	No

Name	Type	Gender	Email	Contact
Dr.L.Jabasheela	Faculty	Female	peccse2@gmail.com	04428383818

Name	Type	Gender	Email	Contact
V.Anitha Moses	Faculty	Female	ANITHAARUN07@GMAIL.COM	04426490505

#	Title										Grant Amount in Rs		
48	Scheme for preparing SC/ST Students for Higher education	Service Innovation	Technological	Research Park	Faculty	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	Innovation Development Ongoing	No	No	776000	No	No

Name	Type	Gender	Email	Contact
Dr.S.Murugavalli	Faculty	Female	csehod@panimalar.ac.in	04428383818

#	Title										Grant Amount in Rs		
49	Skill and personality Development Programme	Service Innovation	Non-Technological / Social / Community Innovation	Research Park	Faculty	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	Innovation Development Ongoing	No	No	1391000	No	No

	Name	Type							Gender			Email	Contact
	Dr.S.Murugavalli	Faculty							Female			csehod@panimalar.ac.in	04428383819
50	Portable Visual Assistant system For Visually Impaired People Based On Raspberry pi	Process Innovation	Technological	IOT lab	Student-Faculty	TRL 0 : Idea. Unproven concept, no testing has been performed.	TRL 0 : Idea. Unproven concept, no testing has been performed.	Innovation Development Completed	No	No	No	No	No

	Name	Type	Gender	Email	Contact
	Mr.G.elumalai	Faculty	Male	elumalaig79@gmail.com	9944464332

51	Deep Multiple Instance Learning for detection of diabetic retinopathy in retinal images.	Process Innovation	Technological	IOT lab	Student-Faculty	TRL 0 : Idea. Unproven concept, no testing has been performed.	TRL 0 : Idea. Unproven concept, no testing has been performed.	Innovation Development Completed	No	No	No	No	No

	Name	Type	Gender	Email	Contact
	Mr.G.elumalai	Faculty	Male	elumalaig79@gmail.com	9944464332

52	AN IMPROVED IMAGE ENCRYPTION ALGORITHM USING DCT AND SECURED ARITHMETIC KEY	Process Innovation	Technological	IOT lab	Student-Faculty	TRL 0 : Idea. Unproven concept, no testing has been performed.	TRL 0 : Idea. Unproven concept, no testing has been performed.	Innovation Development Completed	No	No	No	No	No

	Name	Type	Gender	Email	Contact
	Mr.G.elumalai	Faculty	Male	elumalaig79@gmail.com	9944464332

53	Robut Defense Scheme Against Selective Drop Attack in Wireless Adhoc Networks	Process Innovation	Technol ogical	IOT lab	Stude nt-Facul ty	TRL 0 : Idea. Unpr oven conc ept, no testin g has been perfor med.	TRL 0 : Idea. Unpr oven conc ept, no testin g has been perfor med.	Innovati on Develop ment Complet ed	No	No	No	No	No

Name		Type		Gender		Email		Contact
Mr.G.elumalai		Faculty		Male		elumalaig79@gmail.com		9944464332

54	Virtual Reality (Hologram) based food supply system management post flood	Process Innovation	Technol ogical	IOT lab	Stude nt-Facul ty	TRL 0 : Idea. Unpr oven conc ept, no testin g has been perfor med.	TRL 0 : Idea. Unpr oven conc ept, no testin g has been perfor med.	Innovati on Develop ment Complet ed	No	No	No	No	No

Name		Type		Gender		Email		Contact
Mr.G.elumalai		Faculty		Male		elumalaig79@gmail.com		9944464332

55	CHILD RESCUE AND LIFE SUPPORTING SYSTEM FROM BOREWELL	Process Innovation	Technol ogical	SOLAR LAB	Stude nt-Facul ty	TRL 0 : Idea. Unpr oven conc ept, no testin g has been perfor med.	TRL 0 : Idea. Unpr oven conc ept, no testin g has been perfor med.	Innovati on Develop ment Complet ed	No	No	No	No	No

Name		Type		Gender		Email		Contact
Mr.U.Vasudevan		Faculty		Male		u.vasudevan85@gmail.com		9841135468

56	QR BASED AADHAR ELECTRONIC VOTING MACHINE FOR PRIVACY AND SECURITY ENHANCEMENT USING IOT	Process Innovation	Technol ogical	SOLAR LAB	Stude nt-Facul ty	TRL 0 : Idea. Unpr oven conc ept, no testin g has been perfor med.	TRL 0 : Idea. Unpr oven conc ept, no testin g has been perfor med.	Innovati on Develop ment Complet ed	No	No	No	No	No

	Name				Type				Gender			Email	Contact
	Mr.U.Vasudevan				Faculty				Male			u.vasudevan85@gmail.com	9841135468
57	Energy theft detection issue for advance metering infrastructure in smart grid	Process Innovation	Technol ogical	SOLAR LAB	Stude nt-Facul ty	TRL 0 : Idea. Unpr oven conc ept, no testin g has been perfor med.	TRL 0 : Idea. Unpr oven conc ept, no testin g has been perfor med.	Innovati on Develop ment Complet ed	No	No	No	No	No
	Name				Type				Gender			Email	Contact
	Mr.U.Vasudevan				Faculty				Male			u.vasudevan85@gmail.com	9841135468
58	Chatbot in banking application	Process Innovation	Technol ogical	SOLAR LAB	Stude nt-Facul ty	TRL 0 : Idea. Unpr oven conc ept, no testin g has been perfor med.	TRL 0 : Idea. Unpr oven conc ept, no testin g has been perfor med.	Innovati on Develop ment Complet ed	No	No	No	No	No
	Name				Type				Gender			Email	Contact
	Mr.U.Vasudevan				Faculty				Male			u.vasudevan85@gmail.com	9841135468
59	Implementation of low power, high speed FFT processor using SPIHT RADIX Algorithm	Process Innovation	Technol ogical	researc h park	Stude nt-Facul ty	TRL 0 : Idea. Unpr oven conc ept, no testin g has been perfor med.	TRL 0 : Idea. Unpr oven conc ept, no testin g has been perfor med.	Innovati on Develop ment Complet ed	No	No	No	No	No
	Name				Type				Gender			Email	Contact
	Dr.B.Bhuvaneswari				Faculty				Female			drbhuvanaramani@gmail.com	9444485959

60	Automatic vehicle tracking using lidar for connected vehicle system	Process Innovation	Technol ogical	researc h park	Stude nt-Facul ty	TRL 0 : Idea. Unpr oven conc ept, no testin g has been perfor med.	TRL 0 : Idea. Unpr oven conc ept, no testin g has been perfor med.	Innovati on Develop ment Complet ed	No	No	No		No	No

Name		Type		Gender		Email		Contact
Dr.B.Bhuvaneswari		Faculty		Female		drbhuvanaramani@gmail.com		9444485959

61	MAXIMIZATION OF EFFICIENCY OF THE SPECTRUM REUSE USING WCDMA	Process Innovation	Technol ogical	researc h park	Stude nt-Facul ty	TRL 0 : Idea. Unpr oven conc ept, no testin g has been perfor med.	TRL 0 : Idea. Unpr oven conc ept, no testin g has been perfor med.	Innovati on Develop ment Complet ed	No	No	No		No	No

Name		Type		Gender		Email		Contact
Dr.B.Bhuvaneswari		Faculty		Female		drbhuvanaramani@gmail.com		9444485959

62	5G DYNAMIC MULTI-USER BACKHAUL	Process Innovation	Technol ogical	researc h park	Stude nt-Facul ty	TRL 0 : Idea. Unpr oven conc ept, no testin g has been perfor med.	TRL 0 : Idea. Unpr oven conc ept, no testin g has been perfor med.	Innovati on Develop ment Complet ed	No	No	No		No	No

Name		Type		Gender		Email		Contact
Dr.B.Bhuvaneswari		Faculty		Female		drbhuvanaramani@gmail.com		9444485959

63	GSM BASED LOW COST GAS LEAKAGE EXPLOSION AND FIRE ALERT SYSTEM WITH ADVANCED SECURITY	Process Innovation	Technol ogical	researc h park	Stude nt-Facul ty	TRL 0 : Idea. Unpr oven conc ept, no testin g has been perfor med.	TRL 0 : Idea. Unpr oven conc ept, no testin g has been perfor med.	Innovati on Develop ment Complet ed	No	No	No		No	No

	Name				Type				Gender		Email		Contact
	Dr.B.Bhuvaneswari				Faculty				Female		drbhuvanaramani@gmail.com		9444485959

#	Name				Type							Email	Contact
64	ALERT SYSTEM FOR AIRCRAFT/UAV TO OBSTACLE COLLISION AVOIDANCE IN LANDING AREA.	Process Innovation	Technological	rsssesearch park	Stude nt-Facul ty	TRL 0 : Idea. Unpr oven conc ept, no testin g has been perfor med.	TRL 0 : Idea. Unpr oven conc ept, no testin g has been perfor med.	Innovati on Develop ment Complet ed	No	No	No	No	No

	Name				Type				Gender		Email		Contact
	Dr.B.Bhuvaneswari				Faculty				Female		drbhuvanaramani@gmail.com		9444485959

#	Name				Type							Email	Contact
65	Machine Learning based Server Room Monitoring Control	Process Innovation	Technological	research park	Stude nt-Facul ty	TRL 0 : Idea. Unpr oven conc ept, no testin g has been perfor med.	TRL 0 : Idea. Unpr oven conc ept, no testin g has been perfor med.	Innovati on Develop ment Complet ed	No	No	No	No	No

	Name				Type				Gender		Email		Contact
	Dr.B.Bhuvaneswari				Faculty				Female		drbhuvanaramani@gmail.com		9444485959

#	Name				Type							Email	Contact
66	Robotic humanoid hand imatating the real time motions of a human user's hand	Process Innovation	Technological	research park	Stude nt-Facul ty	TRL 0 : Idea. Unpr oven conc ept, no testin g has been perfor med.	TRL 0 : Idea. Unpr oven conc ept, no testin g has been perfor med.	Innovati on Develop ment Complet ed	No	No	No	No	No

	Name				Type				Gender		Email		Contact
	Dr.B.Bhuvaneswari				Faculty				Male		drbhuvanaramani@gmail.com		9444485959

67	CLOUD BASED BABY INCUBATOR MONITORING AND EMERGENCY ALARM SYSTEM	Process Innovation	Technological	research park	Student-Faculty	TRL 0 : Idea. Unproven concept, no testing has been performed.	TRL 0 : Idea. Unproven concept, no testing has been performed.	Innovation Development Completed	No	No	No	No	No

Name	Type	Gender	Email	Contact
Dr.B.Bhuvaneswari	Faculty	Female	drbhuvanaramani@gmail.com	9444485959

68	IoT-FOG BASED POWER AND IRRIGATION	Process Innovation	Technological	research park	Student-Faculty	TRL 0 : Idea. Unproven concept, no testing has been performed.	TRL 0 : Idea. Unproven concept, no testing has been performed.	Innovation Development Completed	No	No	No	No	No

Name	Type	Gender	Email	Contact
Dr.B.Bhuvaneswari	Faculty	Female	drbhuvanaramani@gmail.com	9444485959

69	IMU BASED CRICKET STROKE IMPROVISER USING POLYNOMIAL KERNEL SVM	Process Innovation	Technological	research park	Student-Faculty	TRL 0 : Idea. Unproven concept, no testing has been performed.	TRL 0 : Idea. Unproven concept, no testing has been performed.	Innovation Development Completed	No	No	No	No	No

Name	Type	Gender	Email	Contact
Dr.B.Bhuvaneswari	Faculty	Female	drbhuvanaramani@gmail.com	9444485959

70	RECONFIGURABLE DUAL BAND FILTERING ANTENNA USING FEED COUPLED RESONATOR	Process Innovation	Technological	research park	Student-Faculty	TRL 0 : Idea. Unproven concept, no testing has been performed.	TRL 0 : Idea. Unproven concept, no testing has been performed.	Innovation Development Completed	No	No	No	No	No

	Name				Type				Gender			Email		Contact
	Dr.B.Bhuvaneswari				Faculty				Female			drbhuvanaramani@gmail.com		9444485959
71	LOW PROFILE EBG-MONOPOLE PATCH ANTENNA WITH METASURFACE BACKED STRUCTURE	Process Innovation	Technological	research park	Student-Faculty	TRL 0 : Idea. Unproven concept, no testing has been performed.	TRL 0 : Idea. Unproven concept, no testing has been performed.	Innovation Development Completed	No	No	No	No		No
	Name				Type				Gender			Email		Contact
	Dr.B.Bhuvaneswari				Faculty				Male			drbhuvanaramani@gmail.com		9444485959
72	Reconfigurable Compact Multiband Filtenna for MIMO and CR Applications	Process Innovation	Technological	research park	Student-Faculty	TRL 0 : Idea. Unproven concept, no testing has been performed.	TRL 0 : Idea. Unproven concept, no testing has been performed.	Innovation Development Completed	No	No	No	No		No
	Name				Type				Gender			Email		Contact
	Dr.B.Bhuvaneswari				Faculty				Female			drbhuvanaramani@gmail.com		9444485959
73	ANESTHESIA LEVEL PREDICTION USING ARTIFICIAL INTELLIGENCE	Service Innovation	Technological	Research Park	Student-Faculty	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	Innovation Development Ongoing	No	No	Grant Amount in Rs 15000	No		No
	Name				Type				Gender			Email		Contact
	Dr.R.Manikandan				Faculty				Male			money_kandan@yahoo.co.in		9444007821
	Name				Type				Gender			Email		Contact
	K.S.Dhamini				Student				Female			dhamu09@gmail.com		9945338810

#	Project												
74	MODELLING AND ANALYSIS OF FOOD MANUFACTURING PROCESS USING HYBRID PETRI NET	Service Innovation	Technological	Research Park	Student-Faculty	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	Innovation Development Ongoing	No	No	No	No	No

Name	Type	Gender	Email	Contact
Dr.B.Muthuraj	Faculty	Male	muthurajbose@gmail.com	9952296525

Name	Type	Gender	Email	Contact
V.Sneha	Student	Female	snehav1234@gmail.com	9843145120

#	Project												
75	DISCRIMINATING PARKINSON AND HEALTHY PEOPLE USING MACHINE LEARNING	Service Innovation	Technological	Research Park	Student-Faculty	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	Innovation Development Ongoing	No	No	Grant Amount in Rs 11000	No	No

Name	Type	Gender	Email	Contact
S.Lakhsmi	Faculty	Female	elsimoses@gmail.com	8754488997

Name	Type	Gender	Email	Contact
J.Emelda	Student	Female	emeldajerald@gmail.com	9952075518

76	IMPLEMENTATION OF VAPOUR ABSORPTION MACHINE FOR COOLING PURPOSES	Product Innovation	Technological		Student	TRL 0 : Idea. Unproven concept, no testing has been performed.	TRL 0 : Idea. Unproven concept, no testing has been performed.	Innovation Development Completed	No	No	Grant Amount in Rs 7000	No	No

Name	Type	Gender	Email	Contact
NATARAJAN M V	Student	Male	mvnatarajan1@gmail.com	9488236953

Name	Type	Gender	Email	Contact
MANIKANDAN S	Student	Male	Smilingstar025@gmail.com	9952323024

77	DESIGN AND EXPERIMENTAL ANALYSIS OF SOLAR ENHANCED WATER HEATING SYSTEM BY USING SOLAR LENS	Product Innovation	Technological		Student	TRL 0 : Idea. Unproven concept, no testing has been performed.	TRL 0 : Idea. Unproven concept, no testing has been performed.	Innovation Development Completed	No	No	Grant Amount in Rs 11000	No	No

Name	Type	Gender	Email	Contact
SASI KUMAR R	Student	Male	sskmr2016@gmail.com	9952209364

78	PRODUCT AND DESIGN ANALYSIS OF HYBRID COMPOSITE WALKER	Product Innovation	Technological		Student	TRL 0 : Idea. Unproven concept, no testing has been performed.	TRL 2 : Technology formulation. Concept and application have been formulated.	Innovation Development Completed	No	No	Grant Amount in Rs 5000	No	No

Name	Type	Gender	Email	Contact
DEEPTHAKUMAR A R	Student	Male	motifdeeptha@gmail.com	8148133769

79	DESIGN OPTIMIZATION OF TRANSTIBIAL PROSTHESIS PYLON BY ADDITIVE MANUFACTURING	Product Innovation	Technological		Student	TRL 0 : Idea. Unproven concept, no testing has been performed.	TRL 2 : Technology formulation. Concept and application have been formulated.	Innovation Development Completed	No	No	6000 Grant Amount in Rs	No	No

Name	Type	Gender	Email	Contact
KRISHNA PRABU P	Student	Male	Kpseeks@gmail.com	7338822314

Name	Type	Gender	Email	Contact
DINESH KUMAR R	Student	Male	kumar.d1019@gmail.com	9003531194

80	MICROSTRUCTURAL AND TENSILE STRENGTH CHARACTERIZATION OF DISSIMILAR METAL WELD (INCONEL 625 AND SS 410) PRODUCED BY COLD METAL TRANSFER (CMT)	Product Innovation	Technological		Student	TRL 0 : Idea. Unproven concept, no testing has been performed.	TRL 2 : Technology formulation. Concept and application have been formulated.	Innovation Development Completed	No	No	4000 Grant Amount in Rs	No	No

Name	Type	Gender	Email	Contact
SIVANESHDEVAN	Student	Male	coolguysivanesh007@gmail.com	9043733601

81	MECHANICAL CHARACTERIZATION OF NATURAL BASED PLASTICIZERS AND POLYMER COMPOSITES	Product Innovation	Technological		Student	TRL 0 : Idea. Unproven concept, no testing has been performed.	TRL 2 : Technology formulation. Concept and application have been formulated.	Innovation Development Completed	No	No	5500 Grant Amount in Rs	No	No

Name	Type	Gender	Email	Contact
SHANMUGAGOUTHAMAN K R	Student	Male	shanmugagouthaman46@gmail.com	8300141501

82	ANALYSIS OF AA6061 SI-CP FRICTION STIR PROCESSED METAL MATRIX COMPOSITE USING IMAGE SEGMENTATION	Product Innovation	Technological		Student	TRL 0 : Idea. Unproven concept, no testing has been performed.	TRL 2 : Technology formulation. Concept and application have been formulated.	Innovation Development Completed	No		No		Grant Amount in Rs 4000	No	No

Name	Type	Gender	Email	Contact
ROHITH R A	Student	Male	rarohith1998@gmail.com	6383317484

83	ANALYSING THE STRENGTH AND PROPERTIES OF NYLON-6 USING 3D PRINTING	Product Innovation	Technological		Student	TRL 0 : Idea. Unproven concept, no testing has been performed.	TRL 2 : Technology formulation. Concept and application have been formulated.	Innovation Development Completed	No		No		Grant Amount in Rs 5000	No	No

Name	Type	Gender	Email	Contact
SUJEETH. D. V	Student	Male	dvsujeeth17@gmail.com	9444239047

84	EXPERIMENTAL STUDIES ON MACHINING CHARACTERISTICS OF HIGH CARBON HIGH CHROMIUM STEEL USING WIRE EDM	Product Innovation	Technological		Student	TRL 0 : Idea. Unproven concept, no testing has been performed.	TRL 2 : Technology formulation. Concept and application have been formulated.	Innovation Development Completed	No		No	No	No	No

Name	Type	Gender	Email	Contact
GUROUBARAN B	Student	Male	gurou98@gmail.com	9597376831

85	Eco - Soil Inspector With Agri Website	Process Innovation	Technological	Research Park	Student-Faculty	TRL 9 : Full commercial application, technology available for consumers.	TRL 9 : Full commercial application, technology available for consumers.	Innovation Development Completed	Agency Name	TNSCST	No	Grant Amount in Rs	7500	Loan/Investment Agency Name	TNSCST	No
									Agency Type	Govt. Agency (State)				Agency Type	Govt. Agency (State)	
									Award / Position / Recognition Secured	Awarded				Total Loan/Angel Investment/VC Fund raised by Start-up during the period of pre-incubation/incubation support at your Pre-incubation/incubation or institute financial period 2019-20 (in Rupees)	7500	
														Date of Investment Raised	18-03-2020	

Name	Type	Gender	Email	Contact
Dr.M.Heldamercy	Faculty	Female	mercy_hilda@yahoo.co.in	9176264911

Name	Type	Gender	Email	Contact
R. Maria Brigitha	Student	Female	annierobin007@gmail.com	8838673393

86	Handling Drowsiness and Heart Attack using Air Quality and Pulse Rate Monitoring	Process Innovation	Technological	Research Park	Student-Faculty	TRL 9 : Full commercial application, technology available for consumers.	TRL 9 : Full commercial application, technology available for consumers.	Innovation Development Completed	Agency Name	TNSCST	No	Grant Amount in Rs	7500	Loan/Investment Agency Name	TNSCST	No
									Agency Type	Govt. Agency (State)				Agency Type	Govt. Agency (State)	
									Award / Position / Recognition Secured	Awarded				Total Loan/Angel Investment/VC Fund raised by Start-up during the period of pre-incubation/incubation support at your Pre-incubation/incubation or institute financial period 2019-20 (in Rupees)	7500	
														Date of Investment Raised	18-03-2020	

Name	Type	Gender	Email	Contact
Dr.K.Sridharan	Faculty	Male	sridharank.p@gmail.com	9865715438

Name	Type	Gender	Email	Contact
J.Arunraj	Student	Male	arunraj744@gmail.com	9789780165

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	ENASTLE SOLUTIONS PRIVATE LIMITED	Service Innovation	Technological	4956	Alumni	Venture with Corporate Identification Number (CIN) Registration — U72900TN2019PTC129163	2018-19	Received Incubation Support from Incubation Unit	No	No	No	No	No

Name	DIN number	Type	Gender	Email	Contact
BOYALLA NARASIMHALU VENKAT	08446359	Alumni Entrepreneur	Male	bnvn007@gmail.com	9952528264
MUNIYANDI DEVENDRAN SARATH SEKARAN 0	08446360	Alumni Entrepreneur	Male	sarathdev@protonmail.com	8838041737
DHANASEKARAN SRI RAMAN	08446361	Alumni Entrepreneur	Male	sriramankings@gmail.com	8825736509

Srno	Name of the Venture/Startup/SME Unit Established with the Support of HEI	Type of Innovation	Nature of Innovation	Name of the Pre-Incubation/Incubation Unit	Venture Founded by	Venture Registerd as	Year of Registration	Current status	Recognition	Financial support	Seed fund	Income/revenue	Growth
2	Infoziant IT Solutions	Service Innovation	Technological	4956	Alumni	Venture with Corporate Identification Number (CIN) Registration — U72900TN2015PTC100423	2018-19	Received Incubation Support from Incubation Unit	No	No	No	No	No

Name	DIN number	Type	Gender	Email	Contact
Tony Caleb D	06936923	Alumni Entrepreneur	Male	Tony@infoziant.com	9600085988

3	NYX WOLVES FREELANCE AND BUSINESS SOLUTIONS PVT LTD	Service Innovation	Techno logical	721	Alumni	Venture with Corporate Identification Number (CIN) Registration	U74999TN2018PTC123097	2018-19	Received Incubation Support from Incubation Unit	No	No	No	No	No

Name	DIN number	Type	Gender	Email	Contact
BOYALLA NARASIMHALU VENKET	08446359	Alumni Entrepreneur	Male	venkat@nyxwolves.com	9952528264

4	AJNA LABS PVT LTD	Service Innovation	Techno logical	4956	Alumni	Venture with Corporate Identification Number (CIN) Registration	U72200TN2020PTC135284	2019-20	Received Incubation Support from Incubation Unit	No	No	No	No	No

Name	DIN number	Type	Gender	Email	Contact
BOYALLA NARASIMHALU VENKAT	08446359	Alumni Entrepreneur	Male	venkat@ajna.ai	9952528264

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	ATALON Product Center Pvt. Ltd.,	Corporate / Industry Association	Providing (or) Receiving Incubation/Pre-Incubation Support Services to Innovators/Startups	Pre-incubation	10	02-09-2019
2	Infoziant	Corporate / Industry Association	Providing (or) Receiving Mentor and Handholding Support to Support I&E Activities	Mentoring	2	16-11-2019
3	CLOUD BULL INDIA	Corporate / Industry Association	Providing (or) Receiving Mentor and Handholding Support to Support I&E Activities	Mentoring	1	09-04-2019
4	ALTSENSE	Corporate / Industry Association	Providing (or) Receiving Mentor and Handholding Support to Support I&E Activities	Mentoring	1	16-11-2019
5	EINNEL TECHNOLOGIES	Corporate / Industry Association	Providing (or) Receiving Mentor and Handholding Support to Support I&E Activities	Mentoring	1	20-07-2019
6	ABE Semiconductor Designs	Non-Govt. Agencies	Providing (or) Receiving Incubation/Pre-Incubation Support Services to Innovators/Startups	Pre-incubation	3	05-03-2019
7	Exotic Power Solutions Pvt. Ltd	Corporate / Industry Association	Providing (or) Receiving Mentor and Handholding Support to Support I&E Activities	Pre-incubation,Mentoring	2	03-01-2019
8	Thick India	Corporate / Industry Association	Providing (or) Receiving Incubation/Pre-Incubation Support Services to Innovators/Startups	Pre-incubation	3	03-10-2019
9	Suntastic Solar Systems Pvt. Ltd	Non-Govt. Agencies	Providing (or) Receiving Incubation/Pre-Incubation Support Services to Innovators/Startups	Pre-incubation	4	03-10-2019
10	Rajiv Gandhi Memorial Telecom Training Centre, BSNL	Govt. Agency (Central)	Providing (or) Receiving Incubation/Pre-Incubation Support Services to Innovators/Startups	Pre-incubation	3	24-06-2019
11	RIYASAA LAB PRIVATE LTD	Corporate / Industry Association	Collaboration with Startups/Industry Associations/Knowledge Agencies to Promote I&E Activities and/or Internship Opportunities	Networking	6	12-07-2019
12	Voltech	Corporate / Industry Association	Providing (or) Receiving Mentor and Handholding Support to Support I&E Activities	Mentoring	1	04-01-2019

| 13 | TREND INSTRUMENTATION AND AUTOMATION | Non-Govt. Agencies | Providing (or) Receiving Mentor and Handholding Support to Support I&E Activities | Mentoring | 1 | 24-07-2019 |

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

Srno	Title/Name of IP(Copyright & Designs Only)	Type of IP(Copyright & Designs Only)	IP(Copyright & Designs Only) Registration Number of Copyright/Design	Application Level	Date of Copyright / Design IP Filed/ Published (Year, Month)	Copy of receipt / application screenshot [PDF or Image	Current Status of IP(Copyright & Designs Only) as on 31st March 2020	Has this IP(Copyright & Designs Only) been Commercialized/Transferred to Industry/Startup/Society?
1	An efficient implementation of trust model for protocol conversion	IPRFiledPublished	SW-12588/2019	National	2019 - 07	Uploaded	Published	No
	Department/Centre Name							
	Information Technology							
2	Seasonal crop disease identification and preventive measures with ecofriendly for farmers	IPRFiledPublished	SW-12594/2019	National	2019 - 07	Uploaded	Published	No
	Department/Centre Name							
	Information Technology							
3	Mining tweets through live streaming data using SPARK and create a data lake	IPRFiledPublished	SW-12743/2019	National	2019 - 08	Uploaded	Published	No
	Department/Centre Name							
	Information Technology							
4	SPEECH RECOGNITION ENGINE FOR VISUALLY IMPAIRED PEOPLE USING IMAGE PROCESSING	IPRFiledPublished	SW-12809/2019	National	2019 - 11	Uploaded	Granted	No
	Department/Centre Name							
	Computer Science and Engi							
5	AUGMENTING KNOWLEDGE USING AR LEARNING	IPRFiledPublished	SW-12627/2019	National	2019 - 07	Uploaded	Granted	No
	Department/Centre Name							
	Computer Science and Engi							
6	HACKING TOOL USING BLOGGER AND GMAIL	IPRFiledPublished	SW-12935/2019	National	2019 - 10	Uploaded	Granted	No
	Department/Centre Name							
	Research Park							

7	DIGITAL BUS TICKETING SYSTEM USING AADHAR ALGORITHM	IPRFiledPublished	L-88121/2019	National	2019 - 12	Uploaded	Granted	No
	Department/Centre Name							
	Research Park							
8	Data Framework For Smale-Scale Provincial Farmers(CLOUD)	IPRFiledPublished	SW-12392/2019	National	2019 - 05	Uploaded	Granted	No
	Department/Centre Name							
	Computer Science and Engi							
9	"Identification of Fake/Counterfeit Drugs using Blockchain and IoT Network(IOT) "	IPRFiledPublished	4380/2019-CO/	National	2019 - 06	Uploaded	Granted	No
	Department/Centre Name							
	Computer Science and Engi							

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

Srno	Title/Name of Patent	IP Registration Number	Date of Filed/Published (Year, Month)	Application Level	Copy of receipt / application screenshot [PDF or Image]
1	RECOGNITION OF UNDERWATER BLIND VISION USING ARTIFICIAL INTELLIGENCE	201941049592	National	2019 - 12	Uploaded
2	TO DESIGN LOW COST PROTOTYPE MODEL FOR MEASURING TEMPERATURE AND PULSE RATE DURING POSTPATUM	201941028596	National	2019 - 09	Uploaded