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

Institute Name: Rajalakshmi Engineering College Engineering & Technology) [ARI-C-16626]

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)	Status Phase-1	Reason Phase-1	Comment Phase-1	Document Phase-1	Remarks Phase-1	Status Phase-2	Reason Phase-2	Comment Phase-2	Document Phase-2	Remarks Phase-2
1	Chemistry-Phycocolloid Research Lab	Research Unit / Park	Chemical Engineering, Biotechnology, Food Technology	UG / PG / PhD	Both	10	6	2	Approved									
2	Chemistry-Phycocolloid Research Lab	Industry Institute Interface Unit	Chemical Engineering, Biotechnology, Food Technology	UG / PG / PhD	Both	10	4	2	Approved									
3	BioTechnology-BioFilms Laboratory	Research Unit / Park	BioTechnology	UG / PG / PhD	Both	12	6	2	Approved									
4	Mechanical engineering-Numerical Engineering and Simulation Lab	Industry Institute Interface Unit	Mechanical Engineering	UG / PG / PhD	Both	50	3	2	Approved									
5	Civil Engineering-Sustainable Building Materials Research Lab	Research Unit / Park	Civil Engineering	UG / PG / PhD	Both	50	3	2	Approved									
6	Prototype Development Centre -VR and AR LAB	Pre-incubation unit	Mechanical	UG / PG / PhD	Both	10	4	2	Approved									
7	Prototype Development Centre-3D Scanning Lab,3D Printing Lab, vacuum pressure casting centre, Laser Cutting Lab	Pre-incubation unit	Mechanical	UG / PG / PhD	Both	20	4	2	Approved									

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8	Electronics and Communication Engineering - Centre of Excellence in MEMS and Microfluidics	Centre of Excellence with Advance Tools & Equipment	Electronics and Communications Engineering-Sensors, Microfluidics,	UG / PG / PhD	Both	50	15	6	Approved								
9	Electrical and Electronics Engineering - Real Time Adaptive Control Engineering Lab (RACE)	Research Unit / Park	Electrical	UG / PG / PhD	Both	60	3	2	Approved								
10	Aeronautical Research Lab	Research Unit / Park	Aeronautical	UG / PG / PhD	Both	20	5	2	Approved								
11	Information Technology - Assistive Devices and Technologies Lab	Research Unit / Park	Information Technology	UG / PG / PhD	Both	10	5	3	Approved								
12	Department of Chemistry - Chemistry Research Lab	Research Unit / Park	Chemistry, Chemical Engineering	UG / PG / PhD	Both	20	5	2	Approved								
13	Centre of Excellence in Machine Vision	Industry Institute Interface Unit	Mechanical, Automobile Engineering	UG / PG / PhD	Both	50	4	2	Approved								
14	Contemporary Design Studio	Pre-incubation unit	Mechanical	UG / PG / PhD	Both	10	3	2	Approved								
15	Biotechnology	Academic Department with lab facility	Biotechnology/Technology	UG / PG / PhD	Technical	559	27	8	Approved								
16	Biotechnology	Research Unit / Park	Biotechnology/technology	UG / PG / PhD	Technical	32	12	8	Approved								
17	Biotechnology	Industry Institute Interface Unit	Biotechnology / technology	UG / PG / PhD	Technical	559	27	8	Approved								
18	Biomedical Engineering	Academic Department with lab facility	Biomedical Engineering	UG / PG / PhD	Technical	442	21	3	Approved								
19	Biomedical Engineering	Research Unit / Park	Biomedical Engineering	UG / PG / PhD	Technical	28	3	3	Approved								

20	Biomedical Engineering	Industry Institute Interface Unit	Biomedical Engineering	UG / PG / PhD	Technical	442	21	3	Approved								
21	Food Technology	Academic Department with lab facility	Food technology / Processing	UG / PG / PhD	Technical	97	4	1	Approved								
22	Chemical Engineering	Academic Department with lab facility	Chemical Engineering	UG / PG / PhD	Technical	191	9	1	Approved								
23	Electronics and Communication Engineering	Academic Department with lab facility	Electronics& Communication , Signal processing ,Image Processing	UG / PG / PhD	Technical	853	49	12	Approved								
24	Electronics and Communication engineering	Research Unit / Park	Electronics & Communication, Image processing & Signal processing	UG / PG / PhD	Technical	25	7	12	Approved								
25	Training and Placement	Industry Institute Interface Unit	Engineering / Training & placement	UG / PG / PhD	Both	6200	18	10	Approved								
26	Electrical and Electronics Engineering	Academic Department with lab facility	Electrical and electronics/ Engineering	UG / PG / PhD	Technical	616	44	9	Approved								
27	Electrical and Electronics Engineering	Research Unit / Park	electrical and electronics	UG / PG / PhD	Technical	22	10	9	Approved								
28	Mechatronics engineering	Academic Department with lab facility	Automation / Engineering	UG / PG / PhD	Technical	211	12	2	Approved								

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

29	Information Technology	Academic Department with lab facility	Information Technology / Engineering	UG / PG / PhD	Technical	444	33	4	Approved										
30	Information Technology	Research Unit / Park	Information Technology	UG / PG / PhD	Technical	10	3	4	Approved										
31	Computer science and engineering	Academic Department with lab facility	Computer science / engineering	UG / PG / PhD	Technical	1116	65	8	Approved										
32	Computer science and engineering	Research Unit / Park	computer science / engineering	UG / PG / PhD	Technical	17	4	8	Approved										
33	Master of Business Administration	Academic Department with lab facility	Business and Administration	UG / PG / PhD	Both	215	11	1	Approved										
34	Humanities and Sciences	Research Unit / Park	Mathematics , Physics , Chemistry and English	UG / PG / PhD	Both	9	8	7	Approved										
35	Mechanical Engineering	Academic Department with lab facility	Design and Thermal / Engineering	UG / PG / PhD	Technical	941	51	13	Approved										
36	Mechanical Engineering	Research Unit / Park	Design and Thermal / Engineering	UG / PG / PhD	Technical	47	9	13	Approved										
37	Automobile Engineering	Academic Department with lab facility	Automobile	UG / PG / PhD	Technical	210	11	4	Approved										
38	Intellectual Property Rights Cell	IPR Cell / Patent Facilitation Unit / Technology Transfer Centre	Engineering and Technology	UG / PG / PhD	Both	1000	50	8	Approved										

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

39	Civil Engineering	Academic Department with lab facility	Civil Engineering	UG / PG / PhD	Technical	360	28	4	Approved									
40	Aeronautical Engineering	Academic Department with lab facility	Aeronautical Engineering	UG / PG / PhD	Technical	232	12	5	Approved									
41	Aeronautical Engineering	Industry Institute Interface Unit	Aeronautical Engineering	UG / PG / PhD	Technical	232	12	5	Approved									
42	Automobile Engineering	Industry Institute Interface Unit	Automobile	UG / PG / PhD	Technical	210	11	4	Approved									
43	Civil Engineering	Industry Institute Interface Unit	Civil & Construction	UG / PG / PhD	Technical	360	28	4	Approved									
44	Chemical Engineering	Industry Institute Interface Unit	Chemical	UG / PG / PhD	Technical	191	9	1	Approved									
45	Computer science and Engineering	Industry Institute Interface Unit	Computer science	UG / PG / PhD	Technical	1116	65	8	Approved									
46	Electronics and Communication Engineering	Industry Institute Interface Unit	Electronics and communication	UG / PG / PhD	Technical	853	49	12	Approved									
47	Electrical and Electronics Engineering	Industry Institute Interface Unit	Electronics and Engineering	UG / PG / PhD	Technical	616	44	9	Approved									
48	Food Technology	Industry Institute Interface Unit	Food technology / Processing	UG / PG / PhD	Technical	97	4	1	Approved									
49	Information Technology	Industry Institute Interface Unit	Information Technology	UG / PG / PhD	Technical	444	33	4	Approved									
50	Mechanical Engineering	Industry Institute Interface Unit	Design and Thermal	UG / PG / PhD	Technical	941	51	13	Approved									
51	Mechatronics Engineering	Industry Institute Interface Unit	Automation	UG / PG / PhD	Technical	211	12	2	Approved									

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

| 52 | Master of Business Administration | Industry Institute Interface Unit | Business and Administration | UG / PG / PhD | Both | 215 | 11 | 1 | Approved | | | | | | | | | | | | |
| 53 | Humanities and sciences | Academic Department with lab facility | Mathematics , English , Physics & Chemistry | UG / PG / PhD | Both | 1440 | 67 | 7 | Approved | | | | | | | | | | | | |

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

Programs/Initiatives	Status	Registration ID	Status Phase-1	Reason Phase-1	Comment Phase-1	Document Phase-1	Remarks Phase-1	Status Phase-2	Reason Phase-2	Comment Phase-2	Document Phase-2	Remarks Phase-2
Adopted National Innovation and Start-up Policy at the HEI	Yes	Not Required	Approved									
Establishment of Institution's Innovation Council (IIC) at HEI	YES	IIC Registration ID : IC201811401	Approved									
Trained Innovation Ambassadors at HEI	YES	Not Required	Approved									
Participation in Smart India Hackathon (SIH)	No	Not Required	Approved									
Facilitated listing start-ups/ technologies in Young India combating COVID with Knowledge, Technology and Innovation (YUKTI 2.0) portal of MIC	No	Not Required	Approved									
Participation in National Education Alliance of Technology (NEAT)	No	Not Required	Approved									

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

Sr no	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?	Status Phase-1	Reason Phase-1	Comment Phase-1	Document Phase-1	Remarks Phase-1	Status Phase-2	Reason Phase-2	Comment Phase-2	Document Phase-2	Remarks Phase-2
1	Workshop on "Innovative Experiments in OPTICS"	Innovation	Workshop	Institute Lead Activity	Biomedical Engineering	17-08-2019 00:00:00	17-08-2019 00:00:00	1	Within Campus	300	20	0	0	320	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) 20000	No	Approved									

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2	Recent Advancements in Ventilator and Emerging Market Trends	Entrepreneurship/Startup	Seminar	Institute Lead Activity	Biomedical Engineering	26-02-2020 00:00:00	26-02-2020 00:00:00	1	Within Campus	116	10	0	0	126	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) 5000	No	Approved									
3	Buckled Thin Films for Flexible Biosensor Development: Exploring Scientific Innovations for Sensor Designing	Entrepreneurship/Startup	Mentoring Session	Institute Lead Activity	Biomedical Engineering	11-03-2020 00:00:00	11-03-2020 00:00:00	1	Within Campus	215	10	0	0	225	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) 5000	No	Approved									

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4	APJ ABDUL KALAM INNOVATIVE PROJECT CELL IQUEST 2020	Innovation	Innovation Contest	Institute Lead Activity	Rajalakshmi Engineering College	08-02-2020 00:00:00	08-02-2020 00:00:00	1	Within Campus	3	0	0	0	3	No	Award / Position / Recognition Secured: First Runner up; Title of Innovation / Start-up Secured the Award / Recognition: APJ ABDUL KALAM INNOVATIVE PROJECT CELL IQUEST2020; Award/Recognition/Achievement Received for:	Approved									
5	IoT workshop	Innovation	Awareness	Student Lead Activity	Computer Science and Engineering	08-05-2019 00:00:00	10-05-2019 00:00:00	3	Within Campus	25	0	0	0	25	No	No	Approved									
6	AI and Deep Learning Workshop	Innovation	Skill development	Student Lead Activity	Computer Science and Engineering	08-05-2019 00:00:00	09-05-2019 00:00:00	2	Within Campus	30	3	0	0	33	No	No	Approved									
7	Business 4.0 TM	Innovation	Training	Student Lead Activity	Computer Science and Engineering	19-10-2019 00:00:00	19-10-2019 00:00:00	1	Within Campus	0	43	0	0	43	No	No	Approved									

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8	2nd International Conference on Engineering Digital Green Era	Innovation	Conference	Institute Lead Activity	Computer Science and Engineering, Information Technology , Electronics and Communication Engineering	12-03-2020 00:00:00	13-03-2020 00:00:00	2	Within Campus	340	20	10	5	375	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) 250000	Award / Position / Recognition Secured — Winner Award Rs.5000, Runner-Up 3000; Title of Innovation / Start-up Secured the Award / Recognition — Best Paper Presenter; Award/Recognition/Achievement Received for — Idea/Innovation/Prototype	Approved									
9	National Level Technical Symposium BOOTUP 20	Innovation	B-Plan Competitions	Student Lead Activity	Computer Science and Engineering	10-02-2020 00:00:00	10-02-2020 00:00:00	1	Within Campus	300	0	500	0	800	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) 100000	No	Approved									

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10	Hack Overflow20	Innovation	Hackathon	Student Lead Activity	Computer Science and Engineering	20-02-2020 00:00:00	21-02-2020 00:00:00	2	Within Campus	200	0	0	0	200	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees): 80000	Award / Position / Recognition Secured; Title of Innovation / Start-up Secured the Award / Recognition: Spotye Mobile Application; Award/Recognition/Achievement Received for	Approved									
11	Artificial Intelligence and Deep Learning	Innovation	Skill development	Student Lead Activity	Computer Science and Engineering	09-03-2020 00:00:00	10-03-2020 00:00:00	2	Within Campus	10	0	0	0	10	No	No	Approved									
12	OPPORTUNITIES 2020	Entrepreneurship/Startup	Awareness	Student Lead Activity	Computer Science and Engineering	09-07-2019 00:00:00	09-07-2019 00:00:00	1	Within Campus	150	40	0	0	190	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees): 1500	No	Approved									

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13	Design-A-Thon	Innovation	Exhibition	Student Lead Activity	Electronics and Communication Engineering	10-08-2019 00:00:00	10-08-2019 00:00:00	1	Within Campus	203	0	0	0	203	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) 39600	Award / Position / Recognition Secured: Winner Award Rs. 1500 Runner-Up Shield; Title of Innovation / Start-up Secured the Award / Recognition: Descons Most Distinguished Project Award , Descons Most Economical Project Award , Descons Social Impact Award , Descons Best Business Model Award , Descons Extra Mile Award , People Choice Award	Approved									

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																Award/ Recognition/Achievement Received for	Idea/Innovation/Prototype										
14	TR(IC)2	Innovation	Exhibition	Student Lead Activity	Electronics and Communication Engineering	20-09-2019 00:00:00	20-09-2019 00:00:00	1	Within Campus	180	0	0	0	180	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) 3000	No		Approved									
15	Engineers Day Celebration and Project EXPO	Entrepreneurship/Startup	Innovation Contest	Student Lead Activity	Computer Science and Engineering	14-09-2019 00:00:00	14-09-2019 00:00:00	1	Within Campus	500	60	0	0	560	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) 3000	No		Approved									
16	How Automation will shape the Future of your Business	Entrepreneurship/Startup	Motivational speak	Student Lead Activity	Computer Science and Engineering	19-09-2019 00:00:00	19-09-2019 00:00:00	1	Within Campus	60	20	0	0	80	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) 1000	No		Approved									

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17	E-sim workshop	Innovation	Workshop	Institute Lead Activity	Electronics and Communication Engineering	20-09-2019 00:00:00	21-09-2019 00:00:00	2	Within Campus	21	0	0	0	21	No	No	Approved									
18	Embedded Design	Innovation	Exhibition	Student Lead Activity	Electronics and Communication Engineering	10-04-2019 00:00:00	10-04-2019 00:00:00	1	Within Campus	200	0	0	0	200	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) 1800	No	Approved									
19	Speech Expo	Innovation	Exhibition	Student Lead Activity	Electronics and Communication Engineering	04-04-2019 00:00:00	04-04-2019 00:00:00	1	Within Campus	210	0	0	0	210	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) 6800	Award / Position / Recognition Secured - Winner Award Rs.500; Title of Innovation / Start-up Secured the Award / Recognition - Best Project award; Award/Recognition/Achievement Received for - Idea/Innovation/Prototype	Approved									

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20	Robotics training Program	Innovation	Training	Student Lead Activity	Electronics and Communication Engineering	14-10-2019 00:00:00	14-10-2019 00:00:00	1	Within Campus	40	0	0	0	40	No	No	Approved									
21	Digital Quiz for II ECE using Kahoot Application	Innovation	Training	Student Lead Activity	Electronics and Communication Engineering	01-10-2019 00:00:00	01-10-2019 00:00:00	1	Within Campus	50	0	0	0	50	No	No	Approved									
22	Machine Learning and Deep Learning	Innovation	Seminar	Student Lead Activity	Electronics and Communication Engineering	11-01-2020 00:00:00	11-01-2020 00:00:00	1	Within Campus	50	5	0	0	55	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) 1000	No	Approved									
23	Quality of Indian stocks and shares and financial management	Entrepreneurship/Startup	Seminar	Student Lead Activity	Electronics and Communication Engineering	23-01-2020 00:00:00	23-01-2020 00:00:00	1	Within Campus	50	3	0	0	53	No	No	Approved									

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24	Computer Networks for Human Networking using CISCO Packet Tracer and NS-2	Innovation	Workshop	Student Lead Activity	Electronics and Communication Engineering	13-02-2020 00:00:00	14-02-2020 00:00:00	2	Within Campus	60	5	0	0	65	No	No	Approved									
25	Antenna design and its measurement using CAD tool and VNA	Innovation	Workshop	Student Lead Activity	Electronics and Communication Engineering	21-02-2020 00:00:00	22-02-2020 00:00:00	2	Within Campus	60	5	0	0	65	No	Award / Position / Recognition Secured: Winner Award Rs.500 Runner-Up 300; Title of Innovation / Start-up Secured the Award / Recognition: Best Antenna design; Award/Recognition/Achievement Received for: Idea/Innovation/Prototype	Approved									

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26	Arduino Programming Workshop - Designer consortium	Innovation	Workshop	Student Lead Activity	Electronics and Communication Engineering	06-03-2020 00:00:0	06-03-2020 00:00:0	1	Within Campus	60	0	0	0	60	No	No	Approved									
27	Antenna design and its measurement using CAD tool and VNA	Innovation	Workshop	Student Lead Activity	Electronics and Communication Engineering	06-03-2020 00:00:0	07-03-2020 00:00:0	2	Within Campus	60	5	0	0	65	No	Award / Position / Recognition Secured — Winner Award Rs.500 Runner-Up 300; Title of Innovation / Start-up Secured the Award / Recognition — Best Antenna design; Award/Recognition/Achievement Received for — Idea/Innovation/Prototype	Approved									
28	Texas Instruments' Analog System Training Program	Innovation	Workshop	Student Lead Activity	Electronics and Communication Engineering	10-03-2020 00:00:0	10-03-2020 00:00:0	1	Within Campus	60	0	0	0	60	No	No	Approved									

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

Sr no	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?		Status Phase-1	Reason Phase-1	Comment Phase-1	Document Phase-1	Remarks Phase-1	Status Phase-2	Reason Phase-2	Comment Phase-2	Document Phase-2	Remarks Phase-2
29	I'QUEST 20 Intradepartment Competition	Innovation	Innovation Contest	Institute Lead Activity	Innovation Project Cell	18-01-2020 00:00:00	18-01-2020 00:00:00	1	Within Campus	54	5	0	0	59	No	Award / Position / Recognition Secured		Approved									
																Title of Innovation / Start-up Secured the Award / Recognition	Smart Dustbin										
																Award/ Recognition/Achievement Received for											
30	I'QUEST 20 Interdepartment Competition	Innovation	Innovation Contest	Institute Lead Activity	Innovative Project Cell	05-03-2020 00:00:00	05-03-2020 00:00:00	1	Within Campus	42	8	0	0	50	No	Award / Position / Recognition Secured		Approved									
																Title of Innovation / Start-up Secured the Award / Recognition	Utilization of CO2 from Industrial and Automobile Emissions										
																Award/ Recognition/Achievement Received for											

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

Sr no	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?	Status Phase-1	Reason Phase-1	Comment Phase-1	Document Phase-1	Remarks Phase-1	Status Phase-2	Reason Phase-2	Comment Phase-2	Document Phase-2	Remarks Phase-2
31	Architecture Foundations in Digital Age	Innovation	Seminar	Student Lead Activity	Information Technology	28-02-2020 00:00:00	28-02-2020 00:00:00	1	Within Campus	120	23	0	0	143	No	No	Approved									
32	Introduction to Fuzzy Logic	Innovation	Workshop	Student Lead Activity	Information Technology	13-12-2019 00:00:00	13-12-2019 00:00:00	1	Within Campus	120	23	0	0	143	No	No	Approved									
33	Introduction to Neural Networks	Innovation	Seminar	Student Lead Activity	Information Technology	13-12-2019 00:00:00	13-12-2019 00:00:00	1	Within Campus	120	23	0	0	143	No	No	Approved									
34	Web Mining and Text Mining	Innovation	Workshop	Student Lead Activity	Information Technology	13-12-2019 00:00:00	13-12-2019 00:00:00	1	Within Campus	120	23	0	0	143	No	No	Approved									
35	Introduction to Sentiment Analysis	Innovation	Seminar	Student Lead Activity	Information Technology	13-12-2019 00:00:00	13-12-2019 00:00:00	1	Within Campus	120	23	0	0	143	No	No	Approved									
36	Block Chain and Other Recent Technologies	Innovation	Workshop	Student Lead Activity	Information Technology	11-12-2019 00:00:00	14-12-2019 00:00:00	4	Within Campus	120	23	0	0	143	No	No	Approved									

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

Sr no	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?	Status Phase-1	Reason Phase-1	Comment Phase-1	Document Phase-1	Remarks Phase-1	Status Phase-2	Reason Phase-2	Comment Phase-2	Document Phase-2	Remarks Phase-2
37	Advanced Programming Logic	Innovation	Workshop	Student Lead Activity	Information Technology	25-11-2019 00:00:0	04-12-2019 00:00:0	10	Within Campus	120	23	0	0	143	No	No	Approved									
38	Programming Logic Camp	Innovation	Workshop	Student Lead Activity	Information Technology	13-11-2019 00:00:0	23-11-2019 00:00:0	11	Within Campus	120	23	0	0	143	No	No	Approved									
39	Introduction to .NET Framework	Innovation	Seminar	Student Lead Activity	Information Technology	14-09-2019 00:00:0	14-09-2019 00:00:0	1	Within Campus	120	23	0	0	143	No	No	Approved									
40	Agile Methodologies	Innovation	Workshop	Student Lead Activity	Information Technology	26-07-2019 00:00:0	26-07-2019 00:00:0	1	Within Campus	120	23	0	0	143	No	No	Approved									
41	Analytics The Past present and future	Innovation	Workshop	Student Lead Activity	Information Technology	11-07-2019 00:00:0	11-07-2019 00:00:0	1	Within Campus	120	23	0	0	143	No	No	Approved									
42	Internet of Things	Innovation	Seminar	Student Lead Activity	Information Technology	10-07-2019 00:00:0	10-07-2019 00:00:0	1	Within Campus	120	23	0	0	143	No	No	Approved									
43	Advanced Python Programming	Innovation	Workshop	Student Lead Activity	Information Technology	09-07-2019 00:00:0	09-07-2019 00:00:0	1	Within Campus	120	23	0	0	143	No	No	Approved									

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

Sr no	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?	Status Phase-1	Reason Phase-1	Comment Phase-1	Document Phase-1	Remarks Phase-1	Status Phase-2	Reason Phase-2	Comment Phase-2	Document Phase-2	Remarks Phase-2
44	Basic of Java Programming	Innovation	Workshop	Student Lead Activity	Information Technology	14-06-2019 00:00:00	15-06-2019 00:00:00	2	Within Campus	120	23	0	0	143	No	No	Approved									
45	Machine Learning	Innovation	Workshop	Student Lead Activity	InformationTechnology	12-06-2019 00:00:00	13-06-2019 00:00:00	2	Within Campus	120	23	0	0	143	No	No	Approved									
46	C Programming	Innovation	Workshop	Student Lead Activity	Information Technology	12-06-2019 00:00:00	13-06-2019 00:00:00	2	Within Campus	120	23	0	0	143	No	No	Approved									
47	Machine Learning and Deep Learning	Innovation	Seminar	Student Lead Activity	Information Technology	06-06-2019 00:00:00	07-06-2019 00:00:00	2	Within Campus	120	23	0	0	143	No	No	Approved									
48	Robotic Automation	Innovation	Workshop	Student Lead Activity	Department of Mechatronics Engineering	14-05-2019 00:00:00	16-05-2019 00:00:00	3	Within Campus	30	3	0	0	33	No	No	Approved									
49	TI - Robotics	Innovation	Workshop	Student Lead Activity	Department of Mechatronics Engineering	09-08-2019 00:00:00	09-08-2019 00:00:00	1	Within Campus	40	5	0	0	45	No	No	Approved									

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

Sr no	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?	Status Phase-1	Reason Phase-1	Comment Phase-1	Document Phase-1	Remarks Phase-1	Status Phase-2	Reason Phase-2	Comment Phase-2	Document Phase-2	Remarks Phase-2
50	Industrial Robotics and Automation	Innovation	Workshop	Student Lead Activity	Axis Global Industrial Institute of Training (AGIIT) and YASKAWA	16-08-2019 00:00:00	16-08-2019 00:00:00	1	Within Campus	60	10	0	0	70	No	No	Approved									
51	Electric Vehicle Engineering	Innovation	Workshop	Student Lead Activity	Department of Mechatronics Engineering	03-02-2020 00:00:00	05-02-2020 00:00:00	3	Within Campus	40	5	0	0	45	No	No	Approved									
52	Industrial Automation and CNC Machines	Innovation	Workshop	Student Lead Activity	Department of Mechatronics Engineering	19-09-2019 00:00:00	19-09-2019 00:00:00	1	Within Campus	50	10	0	0	60	No	No	Approved									
53	Industrial Visit	Entrepreneurship/Startup	Exposure visit	Student Lead Activity	Electrical and Electronics Engineering	13-08-2019 00:00:00	22-08-2019 00:00:00	10	Outside Campus	225	12	0	0	237	No	No	Approved									
54	ASLK training program	Entrepreneurship/Startup	Skill development	Student Lead Activity	Electrical and Electronics Engineering	10-03-2020 00:00:00	20-03-2020 00:00:00	11	Within Campus	80	0	0	0	80	No	No	Approved									

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

Sr no	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?	Status Phase-1	Reason Phase-1	Comment Phase-1	Document Phase-1	Remarks Phase-1	Status Phase-2	Reason Phase-2	Comment Phase-2	Document Phase-2	Remarks Phase-2
55	AMCAT ASSESSMENT	Entrepreneurship/Startup	Skill development	Institute Lead Activity	Training and Placement Cell	10-03-2020 00:00:00	10-03-2020 00:00:00	1	Within Campus	3	0	0	0	3	No	No	Approved									
56	IPC 2020	Entrepreneurship/Startup	Skill development	Institute Lead Activity	Electrical and Electronics Engineering	05-03-2020 00:00:00	05-03-2020 00:00:00	1	Within Campus	8	0	0	0	8	No	No	Approved									
57	AWS Cloud Computing Architecture	Entrepreneurship/Startup	Skill development	Student Lead Activity	Electrical and Electronics Engineering	09-03-2020 00:00:00	13-03-2020 00:00:00	5	Within Campus	3	0	0	0	3	No	No	Approved									
58	Problem Solving Technique & Tools used in Industry	Innovation	Workshop	Student Lead Activity	Department of automobile engineering	08-08-2019 00:00:00	08-08-2019 00:00:00	1	Within Campus	35	2	0	0	37	No	No	Approved									
59	Smart Manufacturing using MasterCAM software	Innovation	Workshop	Student Lead Activity	Department of automobile engineering	13-08-2019 00:00:00	13-08-2019 00:00:00	1	Within Campus	60	3	0	0	63	No	No	Approved									

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

Sr no	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?	Status Phase-1	Reason Phase-1	Comment Phase-1	Document Phase-1	Remarks Phase-1	Status Phase-2	Reason Phase-2	Comment Phase-2	Document Phase-2	Remarks Phase-2
60	Ford Technicians on Ford ECO sports technologies	Innovation	Workshop	Student Lead Activity	Department of automobile engineering	17-08-2019 00:00:00	17-08-2019 00:00:00	1	Within Campus	60	11	0	0	71	No	No	Approved									
61	One day workshop on GD and T	Innovation	Workshop	Student Lead Activity	Department of automobile engineering	24-08-2019 00:00:00	24-08-2019 00:00:00	1	Within Campus	71	4	0	0	75	No	No	Approved									
62	On-Board diagnosis using vehicle scanner in ford car	Innovation	Workshop	Student Lead Activity	Department of automobile engineering	31-08-2019 00:00:00	31-08-2019 00:00:00	1	Within Campus	60	6	0	0	66	No	No	Approved									
63	One day workshop on Non Destructive Testing	Innovation	Workshop	Student Lead Activity	Department of automobile engineering	13-09-2019 00:00:00	13-09-2019 00:00:00	1	Within Campus	102	3	0	0	105	No	No	Approved									

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

Sr no	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?	Status Phase-1	Reason Phase-1	Comment Phase-1	Document Phase-1	Remarks Phase-1	Status Phase-2	Reason Phase-2	Comment Phase-2	Document Phase-2	Remarks Phase-2
64	Turbocharges and Fuel Injection system used in Diesel Engines	Innovation	Workshop	Student Lead Activity	Department of automobile engineering	18-09-2019 00:00:00	18-09-2019 00:00:00	1	Within Campus	52	6	0	0	58	No	No	Approved									
65	One day workshop on Turbocharges	Innovation	Workshop	Student Lead Activity	Department of Automobile Engineering	06-01-2020 00:00:00	06-01-2020 00:00:00	1	Within Campus	26	2	0	0	28	No	No	Approved									
66	An Overview of On-Board Diagnostics	Innovation	Workshop	Student Lead Activity	Department of Automobile Engineering	06-01-2020 00:00:00	06-01-2020 00:00:00	1	Within Campus	10	2	0	0	12	No	No	Approved									
67	Workshop on 3D printing	Innovation	Workshop	Student Lead Activity	Department of Automobile Engineering	06-01-2020 00:00:00	06-01-2020 00:00:00	1	Within Campus	20	2	0	0	22	No	No	Approved									

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

Sr no	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?	Status Phase-1	Reason Phase-1	Comment Phase-1	Document Phase-1	Remarks Phase-1	Status Phase-2	Reason Phase-2	Comment Phase-2	Document Phase-2	Remarks Phase-2
68	BOSCH Automotive Fuel Injections Systems Electrical and Electronics systems	Innovation	Workshop	Institute Lead Activity	Department of Automobile Engineering	19-12-2019 00:00:0:00	20-12-2019 00:00:0:00	2	Within Campus	0	4	0	0	4	No	No	Approved									
69	Robotics	Innovation	Skill development	Student Lead Activity	Department of Electronics and communication Engineering	04-10-2019 00:00:0:00	04-10-2019 00:00:0:00	1	Within Campus	16	0	0	0	16	No	No	Approved									
70	IQuest 2020	Innovation	Innovation Contest	Institute Lead Activity	Department of Chemical Engineering	04-02-2020 00:00:0:00	04-02-2020 00:00:0:00	1	Within Campus	20	3	0	0	23	No	No	Approved									
71	How to Patent an Idea	IPR	Mentoring Session	Institute Lead Activity	Institutions Innovation Council REC	12-03-2020 00:00:0:00	12-03-2020 00:00:0:00	1	Within Campus	48	14	0	0	62	No	No	Approved									

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

Sr no	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?	Status Phase-1	Reason Phase-1	Comment Phase-1	Document Phase-1	Remarks Phase-1	Status Phase-2	Reason Phase-2	Comment Phase-2	Document Phase-2	Remarks Phase-2
72	Desinathaon	Innovation	Hackathon	Institute Lead Activity	Department of Electronics and Communication	08-10-2019 00:00:00	08-10-2019 00:00:00	1	Within Campus	19	0	0	0	19	No	Award / Position / Recognition Secured — Award; Title of Innovation / Start-up Secured the Award / Recognition — Extra Mile Award; Award/ Recognition/Achievement Received for	Approved									
73	E - AWARENESS' 19	Entrepreneurship/Startup	Awareness	Student Lead Activity	Entrepreneuship Development Cell	24-09-2019 00:00:00	26-09-2019 00:00:00	3	Within Campus	150	0	20	0	170	No	No	Approved									
74	National Innovation and Startup policy	Entrepreneurship/Startup	Seminar	Student Lead Activity	Entrepreneuship Development Cell	08-01-2020 00:00:00	08-01-2020 00:00:00	1	Within Campus	45	2	0	0	47	No	No	Approved									
75	How to plan for Start - up and its legal ethics	Entrepreneurship/Startup	Workshop	Student Lead Activity	Entrepreneuship Development Cell	25-02-2020 00:00:00	25-02-2020 00:00:00	1	Within Campus	100	0	0	0	100	No	No	Approved									

Sr no	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?	Status Phase-1	Reason Phase-1	Comment Phase-1	Document Phase-1	Remarks Phase-1	Status Phase-2	Reason Phase-2	Comment Phase-2	Document Phase-2	Remarks Phase-2
76	Women in Tech Space-Experiences and Journey	Entrepreneurship/Startup	Motivational speak	Institute Lead Activity	Computer Science and Engineering	01-04-2019 00:00:00	01-04-2019 00:00:00	1	Within Campus	100	10	0	0	110	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) 1000	No	Approved									
77	Caterpillar India Pvt Ltd.-Recent Developments	Innovation	Skill development	Institute Lead Activity	Mechanical Engineering	05-07-2019 00:00:00	05-07-2019 00:00:00	1	Within Campus	60	10	0	0	70	No	No	Approved									
78	Equation, Chennai-Motivatioal sector trends	Innovation	Seminar	Institute Lead Activity	Mechanical Engineering	10-07-2019 00:00:00	10-07-2019 00:00:00	1	Within Campus	50	12	0	0	62	No	No	Approved									
79	AGIIT-	Innovation	Seminar	Institute Lead Activity	Mechanical Engineering	12-07-2019 00:00:00	12-07-2019 00:00:00	1	Within Campus	120	14	0	0	134	No	No	Approved									
80	Enervac Engineering Consultants	Innovation	Skill development	Institute Lead Activity	Mechanical Engineering	31-07-2019 00:00:00	31-07-2019 00:00:00	1	Within Campus	60	15	0	0	75	No	No	Approved									

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

Sr no	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?	Status Phase-1	Reason Phase-1	Comment Phase-1	Document Phase-1	Remarks Phase-1	Status Phase-2	Reason Phase-2	Comment Phase-2	Document Phase-2	Remarks Phase-2
81	TVS Group of Company - Startup Activity	Entrepreneurship/Startup	Skill development	Institute Lead Activity	Mechanical Engineering	10-08-2019 00:00:00	10-08-2019 00:00:00	1	Within Campus	38	10	0	0	48	No	No	Approved									
82	L&T Valves Limited, Chennai- Engineering Development	Entrepreneurship/Startup	Seminar	Institute Lead Activity	Mechanical Engineering	24-08-2019 00:00:00	24-08-2019 00:00:00	1	Within Campus	120	10	0	0	130	No	No	Approved									
83	Spuma Tech - Emerging trends in Measurements	Entrepreneurship/Startup	Seminar	Institute Lead Activity	Mechanical Engineering	20-08-2019 00:00:00	20-08-2019 00:00:00	1	Within Campus	200	8	0	0	208	No	No	Approved									
84	TI Metals - Engineering Developments	Innovation	Seminar	Institute Lead Activity	Mechanical Engineering	18-09-2019 00:00:00	18-09-2019 00:00:00	1	Within Campus	142	9	0	0	151	No	No	Approved									

Sr no	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?	Status Phase-1	Reason Phase-1	Comment Phase-1	Document Phase-1	Remarks Phase-1	Status Phase-2	Reason Phase-2	Comment Phase-2	Document Phase-2	Remarks Phase-2
85	Mahle Engine Components India Pvt ltd-Motivation al on Industrial Developments	Entrepreneurship/Startup	Seminar	Institute Lead Activity	Mechanical Engineering	10-10-2019 00:00:00	10-10-2019 00:00:00	1	Within Campus	120	8	0	0	128	No	No	Approved									
86	Proto Gen technologies- Recent Developments	Entrepreneurship/Startup	Seminar	Institute Lead Activity	Mechanical Engineering	10-05-2019 00:00:00	10-05-2019 00:00:00	1	Within Campus	120	9	0	0	129	No	No	Approved									
87	Techatoan	Innovation	Ideation	Student Lead Activity	Department of Computer Science and Engineering	21-08-2019 00:00:00	04-10-2019 00:00:00	45	Within Campus	250	0	0	0	250	No	Award / Position / Recognition Secured: First; Title of Innovation / Start-up Secured the Award / Recognition: Best Student project; Award/Recognition/Achievement Received for	Approved									

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

Sr no	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?	Status Phase-1	Reason Phase-1	Comment Phase-1	Document Phase-1	Remarks Phase-1	Status Phase-2	Reason Phase-2	Comment Phase-2	Document Phase-2	Remarks Phase-2
88	Deep learning in medical imaging applications	Innovation	Workshop	Student Lead Activity	Computer Science and Engineering	07-06-2019 00:00:00	08-06-2019 00:00:00	2	Within Campus	30	2	0	0	32	No	No	Approved									
89	Innovision-Project Expo	Innovation	Exhibition	Institute Lead Activity	Information Technology	20-02-2020 00:00:00	20-02-2020 00:00:00	1	Within Campus	450	23	0	0	473	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) — 59000	Award / Position / Recognition Secured — Award; Title of Innovation / Start-up Secured the Award / Recognition — Best Innovator Award; Award/Recognition/Achievement Received for	Approved									

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

Sr no	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?	Status Phase-1	Reason Phase-1	Comment Phase-1	Document Phase-1	Remarks Phase-1	Status Phase-2	Reason Phase-2	Comment Phase-2	Document Phase-2	Remarks Phase-2
90	Design Thinking Summit	Innovation	Exhibition	Institute Lead Activity	Computer Science and Engineering Information Technology and Electronics and Communication Engineering	21-09-2019 00:00:00	21-09-2019 00:00:00	1	Within Campus	380	23	0	0	403	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) 60000	Award / Position / Recognition Secured: Winner Award Rs.5000, Runner-Up 3000; Title of Innovation / Start-up Secured the Award / Recognition: Best Prototype; Award/ Recognition/Achievement Received for: Idea/Innovation/Prototype	Approved									

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

Sr no	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	Status Phase-1	Reason Phase-1	Comment Phase-1	Document Phase-1	Remarks Phase-1	Status Phase-2	Reason Phase-2	Comment Phase-2	Document Phase-2	Remarks Phase-2
1	Medical Equipment Exhibition	Entrepreneurship/Startup	Exposure visit	Chennai Trade Centre	Corporate / Industry Association	26-07-2019 00:00:00	28-07-2019 00:00:00	3	50	7	57	No	---	---	No	No	Approved									

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

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2	Smart India Hackathon	Innovation	Hackathon	Ministry of Human Resource and Development	Govt. Agency (Central)	08-07-2019 00:00:00	12-07-2019 00:00:00	5	6	1	7	Yes	First	Project work on Continuous Non-invasive BP monitor	TotalTotal Expense Amount Incurred by Institute? (In Rupees) 100000	Award / Position / Recognition Secured First; Title of Innovation / Start-up Secured the Award / Recognition Project work on Continuous Non-invasive BP monitor; Award/ Recognition/Achievement Received for Idea/Innovation/Prototype	Approved									
3	PALS inno WAH - 2019	Innovation	Ideation	IIT Madras	Govt. Agency (Central)	30-07-2019 00:00:00	30-07-2019 00:00:00	1	10	0	10	No	---	---	No	No	Approved									
4	Curious Program	Innovation	Ideation	IITM HTIC Med tech incubator	Govt. Agency (Central)	17-10-2019 00:00:00	18-10-2019 00:00:00	2	0	2	2	No	---	---	No	No	Approved									
5	National Seminar on Computational Intelligence	Innovation	Awareness	Council of Scientific and Industrial Research	Govt. Agency (Central)	15-07-2019 00:00:00	16-07-2019 00:00:00	2	0	17	17	No	---	---	No	No	Approved									

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

Sr no	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	Status Phase-1	Reason Phase-1	Comment Phase-1	Document Phase-1	Remarks Phase-1	Status Phase-2	Reason Phase-2	Comment Phase-2	Document Phase-2	Remarks Phase-2
6	Orientation Session on ARIIA 2020 and IIC 2.0	Innovation	Orientation Session	Atal Ranking of Institutions on Innovation Achievements	Govt. Agency (Central)	31-07-2019 00:00:00	31-07-2019 00:00:00	1	0	1	1	No	---	---	No	No	Approved									
7	Data Visualization using Tableau Software and PowerBI	Innovation	Workshop	Computer Society Of India	Govt. Agency (Central)	31-08-2019 00:00:00	31-08-2019 00:00:00	1	0	1	1	No	---	---	No	No	Approved									
8	Recent Trends in Cognitive Computing	Innovation	Awareness	International Business Machines Corporation	Corporate / Industry Association	13-07-2019 00:00:00	13-07-2019 00:00:00	1	0	10	10	No	---	---	No	No	Approved									
9	Business 4.0 TM	Entrepreneurship/Startup	Seminar	Tata Consultancy Services Limited	Corporate / Industry Association	19-10-2019 00:00:00	19-10-2019 00:00:00	1	0	43	43	No	---	---	No	No	Approved									

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

Sr no	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	Status Phase-1	Reason Phase-1	Comment Phase-1	Document Phase-1	Remarks Phase-1	Status Phase-2	Reason Phase-2	Comment Phase-2	Document Phase-2	Remarks Phase-2
10	Internet of Things (IoT)	Innovation	Training	AICTE Training And Learning (ATAL) Academy	Govt. Agency (Central)	29-10-2019 00:00:00	02-11-2019 00:00:00	5	0	1	1	No	---	---	No	No	Approved									
11	Workshop on Funding Opportunities for Innovation and Entrepreneurship Development	Entrepreneurship/Startup	Workshop	Institutions Innovation Council DSIR	Govt. Agency (Central)	11-11-2019 00:00:00	11-11-2019 00:00:00	1	0	1	1	No	---	---	No	No	Approved									

Sr no	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	Status Phase-1	Reason Phase-1	Comment Phase-1	Document Phase-1	Remarks Phase-1	Status Phase-2	Reason Phase-2	Comment Phase-2	Document Phase-2	Remarks Phase-2
12	CII CONNECT 2019 International Conference and Exhibition on Information and Communication technology	Innovation	Conference	Confederation of Indian Industry	Govt. Agency (Central)	07-11-2019 00:00:00	08-11-2019 00:00:00	2	0	3	3	No	---	---	No	No	Approved									
13	Workshop on Advanced Deep Learning	Innovation	Workshop	Bennett University	Educational Institute	02-12-2019 00:00:00	06-12-2019 00:00:00	5	0	1	1	No	---	---	No	No	Approved									
14	International Conference on Computational Intelligence and Theoretical Sciences	Innovation	Ideation	St.Xaviers Catholic College of Engineering	Educational Institute	06-02-2020 00:00:00	08-02-2020 00:00:00	3	0	1	1	No	---	---	No	No	Approved									

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

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15	10th International Conference on Science and Innovative Engineering 2020	Innovation	Conference	Jawahar Engineering College,Chennai	Educational Institute	29-03-2020 00:00:00	29-03-2020 00:00:00	1	0	1	1	No	---	---	No	No	Approved									
16	High Intense Course on Machine Learning with MATLAB	Innovation	Awareness	Teaching Learning Centre (under PMMMNMTT, Dept. of Higher Education)	Govt. Agency (Central)	19-10-2019 00:00:00	23-10-2019 00:00:00	5	0	1	1	No	---	---	No	No	Approved									
17	Smart India Hackathon	Innovation	Hackathon	Reva University Bangalore	Educational Institute	08-07-2019 00:00:00	12-07-2019 00:00:00	5	10	1	11	No	---	---	No	No	Approved									

Sr no	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	Status Phase-1	Reason Phase-1	Comment Phase-1	Document Phase-1	Remarks Phase-1	Status Phase-2	Reason Phase-2	Comment Phase-2	Document Phase-2	Remarks Phase-2
18	World Biggest International Hands on IoTa nd Ethical Hacking Workshop	Innovation	Workshop	Wikitechy and microsoft research Community group ,chennai	Non-Govt. Agencies	15-08-2019 00:00:00	15-08-2019 00:00:00	1	2	0	2	No	---	---	No	No	Approved									
19	Smart India Hackathon 2019	Innovation	Hackathon	Bharatiya Skill Development University (BSDU), Jaipur, Rajasthan	Educational Institute	07-08-2019 00:00:00	12-08-2019 00:00:00	6	1	0	1	No	---	---	No	No	Approved									
20	Industrial Robotics Automation and Control	Innovation	Workshop	AICTE Training And Learning Academy	Govt. Agency (Central)	26-09-2019 00:00:00	30-09-2019 00:00:00	5	0	1	1	No	---	---	No	No	Approved									
21	ML Innovation Challenge	Innovation	Innovation Contest	BOLT IOT	Non-Govt. Agencies	10-02-2020 00:00:00	10-02-2020 00:00:00	1	1	0	1	No	---	---	No	No	Approved									

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22	International Conference on Research Advancements and Challenges in Engineering Sciences	Innovation	Conference	Velammal Institute of Technology	Educational Institute	06-03-2020 00:00:00	07-03-2020 00:00:00	2	4	0	4	No	---	---	No	No	Approved									
23	Olympiad in Chemistry	Innovation	Ideation	Russian Centre of Science and Culture, Chennai	Non-Govt. Agencies	09-03-2020 00:00:00	09-03-2020 00:00:00	1	1	0	1	No	---	---	No	No	Approved									
24	National level Award 2020	Innovation	Innovation Contest	Dr.Kalam Educational Trust	Non-Govt. Agencies	13-03-2020 00:00:00	13-03-2020 00:00:00	1	2	0	2	No	---	---	No	No	Approved									
25	EXPOXIAN	Innovation	Innovation Contest	SRM Institute of Science and Technology	Educational Institute	12-03-2020 00:00:00	13-03-2020 00:00:00	2	3	0	3	No	---	---	No	No	Approved									

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

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26	Demo on innovative projects	Innovation	Road Show	Rajalakshmi Engineering College	Corporate / Industry Association	14-08-2019 00:00:00	14-08-2019 00:00:00	1	3	0	3	No	---	---	No	No	Approved									
27	Innovation voucher program	Innovation	Seminar	Savetha Engineering College	Educational Institute	23-10-2019 00:00:00	23-10-2019 00:00:00	1	2	0	2	No	---	---	No	No	Approved									
28	Intellectual Property Rights and Entrepreneurship Workshop	Entrepreneurship/Startup	Skill development	Anna University Chennai	Educational Institute	04-12-2019 00:00:00	05-12-2019 00:00:00	2	2	0	2	No	---	---	No	No	Approved									
29	Electric Vehicle Charging Station	Entrepreneurship/Startup	Skill development	MSME PPDC	Educational Institute	21-12-2019 00:00:00	22-12-2019 00:00:00	2	1	0	1	No	---	---	No	No	Approved									
30	The most innovative solution	Innovation	Innovation Contest	Designers Consortium Rajalakshmi Engineering College	Educational Institute	18-01-2020 00:00:00	18-01-2020 00:00:00	1	3	0	3	No	---	---	No	No	Approved									

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

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31	CURIOUS PROGRAM	Entrepreneurship/Startup	Workshop	IITM RESEARCH PARK CHENNAI	Corporate / Industry Association	26-09-2019 00:00:00	26-09-2019 00:00:00	1	1	0	1	No	---	---	No	No	Approved									
32	Dynamics of particles	Innovation	Motivational speak	St Josephs Institute of Technology OMR Chennai	Educational Institute	21-11-2019 00:00:00	21-11-2019 00:00:00	1	0	1	1	No	---	---	No	No	Approved									
33	MECHATRONIC SYSTEMS AND PRODUCT DESIGN	Innovation	Workshop	National Institute of Technology Warangal	Educational Institute	16-12-2019 00:00:00	21-12-2019 00:00:00	6	0	1	1	No	---	---	No	No	Approved									
34	Internship	Innovation	Training	zoho	Corporate / Industry Association	08-01-2020 00:00:00	09-03-2020 00:00:00	62	2	0	2	No	---	---	No	No	Approved									
35	THINK EDU CONCLAVE	Innovation	Training	INDIAN EXPRESS	Corporate / Industry Association	08-01-2020 00:00:00	09-01-2020 00:00:00	2	1	0	1	No	---	---	No	No	Approved									

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

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36	FDP	Innovation	Workshop	Pals	Educational Institute	13-02-2020 00:00:00	15-02-2020 00:00:00	3	0	2	2	No	---	---	No	No	Approved									
37	DIGITAL KNOWLEDGE SERIES	Innovation	Motivational speak	ICT Academy	Educational Institute	26-02-2020 00:00:00	26-02-2020 00:00:00	1	1	0	1	No	---	---	No	No	Approved									
38	PALS Tinkathon IITM	Innovation	Seminar	PALS	Educational Institute	19-12-2019 00:00:00	20-12-2019 00:00:00	2	3	0	3	No	---	---	No	No	Approved									
39	ONLINE QUIZ	Innovation	B-Plan Competitions	IIT Pals	Educational Institute	12-07-2019 00:00:00	12-07-2019 00:00:00	1	13	0	13	No	---	---	No	No	Approved									
40	Smart India Hackthon 2019	Innovation	B-Plan Competitions	Bharatiya Skill Development University	Educational Institute	13-07-2019 00:00:00	13-07-2019 00:00:00	1	2	0	2	No	---	---	No	No	Approved									
41	Seminar and Counselling on Higher Education	Innovation	Conference	IDP Education India Private Limited	Educational Institute	23-07-2019 00:00:00	23-07-2019 00:00:00	1	12	0	12	No	---	---	No	No	Approved									

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42	SAE	Innovation	Innovation Contest	Bannari Amman Institute of Technology	Educational Institute	27-09-2019 00:00:00	27-09-2019 00:00:00	1	10	0	10	No	---	---	No	No	Approved									
43	THINK EDU CONCLAVE	Innovation	Awareness	ITC Grand Chola	Corporate / Industry Association	08-01-2020 00:00:00	09-01-2020 00:00:00	2	2	0	2	No	---	---	No	No	Approved									
44	How to build chat bots	Innovation	Skill development	IBM	Corporate / Industry Association	15-01-2020 00:00:00	15-01-2020 00:00:00	1	2	0	2	No	---	---	No	No	Approved									
45	SPARK TANK 2020	Innovation	Innovation Contest	Designers Consortium	Educational Institute	18-01-2020 00:00:00	18-01-2020 00:00:00	1	2	0	2	No	---	---	No	No	Approved									
46	REC Programming contest	Innovation	Innovation Contest	Rajalakshmi Engineering College	Educational Institute	25-01-2020 00:00:00	25-01-2020 00:00:00	1	3	0	3	No	---	---	No	No	Approved									

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

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47	NSVC	Innovation	Innovation Contest	Visveshwaraya National institute of Technology	Educational Institute	03-03-2020 00:00:00	03-03-2020 00:00:00	1	4	1	5	No	---	---	No	No	Approved									
48	Inplant Training	Innovation	Training	Chennai Institute of Technology	Educational Institute	19-06-2019 00:00:00	19-06-2019 00:00:00	1	0	2	2	No	---	---	No	No	Approved									
49	FDP	Innovation	Workshop	National Institute of Technology Warangal	Educational Institute	22-07-2019 00:00:00	27-07-2019 00:00:00	6	0	1	1	No	---	---	No	No	Approved									
50	Seminar and Counselling on Higher Education	Innovation	Conference	IDP Education India Private Limited	Educational Institute	23-07-2019 00:00:00	23-07-2019 00:00:00	1	18	0	18	No	---	---	No	No	Approved									
51	India Innovation Challenge Design Contest	Innovation	Innovation Contest	Texas Instruments IICDC	Govt. Agency (Central)	23-08-2019 00:00:00	23-08-2019 00:00:00	1	15	0	15	No	---	---	No	No	Approved									

Sr no	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	Status Phase-1	Reason Phase-1	Comment Phase-1	Document Phase-1	Remarks Phase-1	Status Phase-2	Reason Phase-2	Comment Phase-2	Document Phase-2	Remarks Phase-2
52	PALS ANALYZE CASE STUDY	Innovation	Skill development	Sri Venkateswara College of Engineering	Educational Institute	28-08-2019 00:00:00	28-08-2019 00:00:00	1	2	0	2	No	---	---	No	No	Approved									
53	Orientation Session	Innovation	Orientation Session	Gate forum Institute	Educational Institute	30-08-2019 00:00:00	30-08-2019 00:00:00	1	185	0	185	No	---	---	No	No	Approved									
54	Training	Innovation	Training	LEMA LABS- KAIZAN ROBOTICS	Corporate / Industry Association	16-09-2019 00:00:00	20-09-2019 00:00:00	5	2	2	4	No	---	---	No	No	Approved									
55	Guest lecture on Control Implementation by using embedded coder (C2000 - TI)	Innovation	Seminar	SRM Institute of science and technology	Educational Institute	19-09-2019 00:00:00	19-09-2019 00:00:00	1	0	1	1	Yes	Resource person	SRM Institute of science and technology	No	Award / Position / Recognition Secured: Resourse person; Title of Innovation / Start-up Secured the Award / Recognition: SRM Institute of science and technology; Award/ Recognition/Achievement Received for: Idea/Innovation/Prototype	Approved									

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

Sr no	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	Status Phase-1	Reason Phase-1	Comment Phase-1	Document Phase-1	Remarks Phase-1	Status Phase-2	Reason Phase-2	Comment Phase-2	Document Phase-2	Remarks Phase-2
56	Guest lecture on the topic Role of IOT in PV and EV for Distributed Power System	Innovation	Seminar	Er.Perumal Manimekalai College of Engineering	Educational Institute	19-09-2019 00:00:00	19-09-2019 00:00:00	1	0	1	1	Yes	Resource person	Er.Perumal Manimekalai College of Engineering, Hosur	No	Award / Position / Recognition Secured : Resourse person; Title of Innovation / Start-up Secured the Award / Recognition : Er.Perumal Manimekalai College of Engineering, Hosur; Award/Recognition/Achievement Received for : Idea/Innovation/Prototype	Approved									
57	Guest lecture on Innovation to patent claim conversion in the workshop IPR and Patent searching	Innovation	Seminar	Saveetha school of engineering	Educational Institute	19-10-2019 00:00:00	19-10-2019 00:00:00	1	0	1	1	Yes	Resource person	Saveetha school of engineering	No	Award / Position / Recognition Secured : Resourse person; Title of Innovation / Start-up Secured the Award / Recognition : Saveetha school of engineering; Award/Recognition/Achievement Received for : Idea/Innovation/Prototype	Approved									

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

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58	Department Academic Advisory Committe	Innovation	Ideation	Er.Perumal Manimekalai College of Engineering, Hosur	Educational Institute	19-07-2019 00:00:00	19-07-2019 00:00:00	1	0	1	1	Yes	Member of the Department Academic Advisory Committe	Er.Perumal Manimekalai College of Engineering, Hosur	No	Award / Position / Recognition Secured — Member of the Department Academic Advisory Committee; Title of Innovation / Start-up Secured the Award / Recognition — Er.Perumal Manimekalai College of Engineering, Hosur; Award/ Recognition/Achievement Received for — Idea/Innovation/Prototype	Approved									

Sr no	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	Status Phase-1	Reason Phase-1	Comment Phase-1	Document Phase-1	Remarks Phase-1	Status Phase-2	Reason Phase-2	Comment Phase-2	Document Phase-2	Remarks Phase-2
59	Board of studies	Innovation	Ideation	SRM Valliammai Engineering College	Educational Institute	19-08-2019 00:00:00	19-08-2019 00:00:00	1	1	0	1	Yes	Member of Board of studies	SRM Valliammai Engineering College	No	Award / Position / Recognition Secured: Member of Board of studies; Title of Innovation / Start-up Secured the Award / Recognition: SRM Valliammai Engineering College; Award/ Recognition/Achievement Received for: Idea/Innovation/Prototype	Approved									
60	IEEE membership	Innovation	Ideation	IEEE Madras Section	International Agencies	19-10-2019 00:00:00	19-10-2019 00:00:00	1	1	0	1	Yes	Senior IEEE member	IEEE	No	Award / Position / Recognition Secured: Senior IEEE member; Title of Innovation / Start-up Secured the Award / Recognition: IEEE; Award/ Recognition/Achievement Received for: Idea/Innovation/Prototype	Approved									

Sr no	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	Status Phase-1	Reason Phase-1	Comment Phase-1	Document Phase-1	Remarks Phase-1	Status Phase-2	Reason Phase-2	Comment Phase-2	Document Phase-2	Remarks Phase-2
61	Eight European Conference on Renewable Energy Systems ECRES2020 in Istanbul Turkey	Innovation	Ideation	Eight European Conference on Renewable Energy Systems (ECRES 2020) in Istanbul Turkey	Educational Institute	19-11-2019 00:00:00	19-11-2019 00:00:00	1	1	0	1	Yes	Resourse person	International Scientific Committee member	No	Award / Position / Recognition Secured — Resourse person; Title of Innovation / Start-up Secured the Award / Recognition — International Scientific Committee member; Award/ Recognition/Achievement Received for — Idea/Innovation/Prototype	Approved									
62	AICTE-Margadharshan	Innovation	Mentoring Session	AICTE-Margadharshan	Educational Institute	19-12-2019 00:00:00	19-12-2019 00:00:00	1	0	1	1	Yes	Resourse person	AICTE-Margadharshan	No	Award / Position / Recognition Secured — Resourse person; Title of Innovation / Start-up Secured the Award / Recognition — AICTE-Margadharshan; Award/ Recognition/Achievement Received for — Idea/Innovation/Prototype	Approved									

Sr no	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	Status Phase-1	Reason Phase-1	Comment Phase-1	Document Phase-1	Remarks Phase-1	Status Phase-2	Reason Phase-2	Comment Phase-2	Document Phase-2	Remarks Phase-2
63	Internal Hackathon event for smart india hackathon 2020	Innovation	Hackathon	Rajalakshmi Institute of Technology, Chennai	Educational Institute	19-01-2020 00:00:00	19-01-2020 00:00:00	1	0	2	2	Yes	Jury	Rajalakshmi Institute of Technology, Chennai	No	Award / Position / Recognition Secured: Jury; Title of Innovation / Start-up Secured the Award / Recognition: Rajalakshmi Institute of Technology, Chennai; Award/ Recognition/Achievement Received for: Idea/Innovation/Prototype	Approved									
64	Journal publication	Innovation	Ideation	Optimal control applications and methods	International Agencies	19-02-2020 00:00:00	19-02-2020 00:00:00	1	0	1	1	Yes	Reviewer	Optimal control applications and methods	No	Award / Position / Recognition Secured: Reviewer; Title of Innovation / Start-up Secured the Award / Recognition: Optimal control applications and methods; Award/ Recognition/Achievement Received for: Idea/Innovation/Prototype	Approved									

Sr no	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	Status Phase-1	Reason Phase-1	Comment Phase-1	Document Phase-1	Remarks Phase-1	Status Phase-2	Reason Phase-2	Comment Phase-2	Document Phase-2	Remarks Phase-2
65	Journal publication	Innovation	Ideation	International transactions on electrical energy systems	International Agencies	19-02-2020 00:00:00	19-02-2020 00:00:00	1	0	1	1	Yes	Reviewer	Asian journal of control	No	Award / Position / Recognition Secured — Reviewer; Title of Innovation / Start-up Secured the Award / Recognition — Asian journal of control; Award/ Recognition/Achievement Received for — Idea/Innovation/Prototype	Approved									
66	Board of Studies meeting	Innovation	Ideation	SA Engineering College	Educational Institute	19-02-2020 00:00:00	19-02-2020 00:00:00	1	0	1	1	Yes	Anna University Nominee for Board of Studies	SA Engineering College	No	Award / Position / Recognition Secured — Anna University Nominee for Board of Studies; Title of Innovation / Start-up Secured the Award / Recognition — SA Engineering College; Award/ Recognition/Achievement Received for — Idea/Innovation/Prototype	Approved									

Sr no	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	Status Phase-1	Reason Phase-1	Comment Phase-1	Document Phase-1	Remarks Phase-1	Status Phase-2	Reason Phase-2	Comment Phase-2	Document Phase-2	Remarks Phase-2
67	Guest lecture on circuit theory	Innovation	Seminar	Annai Mathammal Sheela Engineering College	Educational Institute	19-03-2020 00:00:00	19-03-2020 00:00:00	1	0	1	1	Yes	Resource person	Annai Mathammal Sheela Engineering College	No	Award / Position / Recognition Secured: Resource person; Title of Innovation / Start-up Secured the Award / Recognition: Annai Mathammal Sheela Engineering College; Award/ Recognition/Achievement Received for: Idea/ Innovation/Prototype	Approved									
68	APJ ABDUL KALAM INNOVATIVE PROJECT CELL IQUEST 2020	Innovation	Innovation Contest	Rajalakshmi Engineering College	Educational Institute	08-02-2020 00:00:00	08-02-2020 00:00:00	1	3	0	3	No	---	---	No	No	Approved									

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

Sr no	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	Status Phase-1	Reason Phase-1	Comment Phase-1	Document Phase-1	Remarks Phase-1	Status Phase-2	Reason Phase-2	Comment Phase-2	Document Phase-2	Remarks Phase-2
69	Industry Academia Conclave on Future of the world - Disruptive Technologies a Game Changer	Entrepreneurship/Startup	Awareness	IIT Pals	Non-Govt. Agencies	06-07-2019 00:00:00	06-07-2019 00:00:00	1	0	1	1	No	---	---	No	No	Approved									
70	INSIGHT ON VEHICLE REGULATIONS IN INDIA	Innovation	Awareness	SAE India	Non-Govt. Agencies	27-07-2019 00:00:00	27-07-2019 00:00:00	1	0	2	2	No	---	---	No	No	Approved									
71	Research integrity and Awareness	Innovation	Awareness	University grants commission	Govt. Agency (Central)	05-08-2019 00:00:00	05-08-2019 00:00:00	1	0	1	1	No	---	---	No	No	Approved									
72	Team building managing	Entrepreneurship/Startup	Skill development	ICT Academy	Non-Govt. Agencies	20-08-2019 00:00:00	22-08-2019 00:00:00	3	0	1	1	No	---	---	No	No	Approved									

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

Sr no	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	Status Phase-1	Reason Phase-1	Comment Phase-1	Document Phase-1	Remarks Phase-1	Status Phase-2	Reason Phase-2	Comment Phase-2	Document Phase-2	Remarks Phase-2
73	E-Mobility Conference	Innovation	Conference	CII Southern Section	Non-Govt. Agencies	13-09-2019 00:00:00	13-09-2019 00:00:00	1	0	4	4	No	---	---	No	No	Approved									
74	Engineering simulation using COMSOL MULTIPHYSICS 5.5	Innovation	Awareness	Rajalakshmi Institute of technology	Educational Institute	03-12-2019 00:00:00	03-12-2019 00:00:00	1	0	1	1	No	---	---	No	No	Approved									
75	Power Electronic converters and Controllers for EV and Smart grid	Innovation	Training	AICTE Training and Learning Academy	Govt. Agency (Central)	18-12-2019 00:00:00	22-12-2019 00:00:00	5	0	1	1	No	---	---	No	No	Approved									
76	Automotive Suspension Systems	Innovation	Awareness	Sri Venkateswara College of Engineering	Educational Institute	09-01-2020 00:00:00	09-01-2020 00:00:00	1	0	2	2	No	---	---	No	No	Approved									
77	CSP and PLM Discussion	IPR	Awareness	Tata consultancy services	Corporate / Industry Association	17-02-2020 00:00:00	17-02-2020 00:00:00	1	0	1	1	No	---	---	No	No	Approved									

Sr no	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	Status Phase-1	Reason Phase-1	Comment Phase-1	Document Phase-1	Remarks Phase-1	Status Phase-2	Reason Phase-2	Comment Phase-2	Document Phase-2	Remarks Phase-2
78	Building Endurance in a Challenging Business Environment	IPR	Awareness	CII Southern Section	Non-Govt. Agencies	29-02-2020 00:00:00	29-02-2020 00:00:00	1	0	1	1	No	---	---	No	No	Approved									
79	Conference on Exports	Innovation	Exhibition	Automotive Component Manufacturers Association	Non-Govt. Agencies	22-06-2019 00:00:00	22-06-2019 00:00:00	1	21	2	23	No	---	---	No	No	Approved									
80	SAEISS Electric two Wheeler design competition 2019	Innovation	Innovation Contest	SAE India	Non-Govt. Agencies	27-09-2019 00:00:00	29-09-2019 00:00:00	3	11	2	13	Yes	Third Position	Best Design	No	Award / Position / Recognition Secured — Third Position; Title of Innovation / Start-up Secured the Award / Recognition — Best Design; Award/ Recognition/Achievement Received for — Idea/Innovation/Prototype	Approved									

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81	SAE EBAJA 2020	Innovation	Innovation Contest	SAE India	Non-Govt. Agencies	20-01-2020 00:00:00	26-01-2020 00:00:00	7	23	1	24	Yes	Fifth Place	Overall Performance	TotalTotal Expense Amount Incurred by Institute? (In Rupees) 100000	Award / Position / Recognition Secured — Fifth Place; Title of Innovation / Start-up Secured the Award / Recognition — Overall Performance; Award/ Recognition/Achievement Received for — Idea/Innovation/Prototype	Approved									
82	INVENTE 4.0	Innovation	Workshop	SSN college of Engineering	Educational Institute	14-09-2019 00:00:00	14-09-2019 00:00:00	1	1	0	1	No	---	---	No	No	Approved									

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

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83	Innovations Day 2019	Innovation	Innovation Contest	Manakula vinayagar Engineering college Puducherry	Educational Institute	14-09-2019 00:00:00	14-09-2019 00:00:00	1	1	0	1	Yes	Frist	Best design	No	Award / Position / Recognition Secured — Frist; Title of Innovation / Start-up Secured the Award / Recognition — Best design; Award/ Recognition/Achievement Received for — Idea/Innovation/Prototype	Approved									
84	Invente 4.0	Innovation	Awareness	SSN college of Engineering	Educational Institute	13-09-2019 00:00:00	13-09-2019 00:00:00	1	1	0	1	Yes	Second	Paper Presentation	No	Award / Position / Recognition Secured — Second; Title of Innovation / Start-up Secured the Award / Recognition — Paper Presentation; Award/ Recognition/Achievement Received for — Idea/Innovation/Prototype	Approved									

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85	PALS LECTURE Live session	IPR	Workshop	IIT Madras	Govt. Agency (Central)	17-07-2019 00:00:00	17-07-2019 00:00:00	1	12	0	12	No	---	---	No	No	Approved									
86	SAE eBAJA	Innovation	Innovation Contest	SAE India	Non-Govt. Agencies	09-07-2019 00:00:00	17-07-2019 00:00:00	9	6	0	6	No	---	---	No	No	Approved									
87	TRAXION	Innovation	Innovation Contest	Sri Venkateshwara College of Engineering	Educational Institute	25-09-2019 00:00:00	25-09-2019 00:00:00	1	1	0	1	Yes	First	Paper presentation	No	Award / Position / Recognition Secured — First; Title of Innovation / Start-up Secured the Award / Recognition — Paper presentation; Award/ Recognition/Achievement Received for — Idea/Innovation/Prototype	Approved									

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

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88	Vahana V4 (National level technical symposium)	Innovation	Innovation Contest	Hindustan college of Engineering	Educational Institute	17-08-2019 00:00:00	17-08-2019 00:00:00	1	1	0	1	Yes	second	Auto cross event	No	Award / Position / Recognition Secured — second; Title of Innovation / Start-up Secured the Award / Recognition — Auto cross event; Award/ Recognition/Achievement Received for — Idea/Innovation/Prototype	Approved									
89	higher education Seminar and Counselling	IPR	Awareness	IDP Education India Pvt Ltd	Non-Govt. Agencies	23-07-2019 00:00:00	23-07-2019 00:00:00	1	5	0	5	No	---	---	No	No	Approved									

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90	Texas Instruments India Innovation Challenge Design	Innovation	Innovation Contest	Texas Instruments, DST, AICTE and IIM-Bangalore.	Non-Govt. Agencies	28-12-2019 00:00:00	28-12-2019 00:00:00	1	0	1	1	Yes	Elite Academician of IICDC	Texas Instruments India Innovation Challenge Design	No	Award / Position / Recognition Secured — Elite Academician of IICDC; Title of Innovation / Start-up Secured the Award / Recognition — Texas Instruments India Innovation Challenge Design; Award/ Recognition/Achievement Received for — Idea/Innovation/Prototype	Approved									
91	Journal Publication	Innovation	Ideation	Asian Journal of Control	International Agencies	01-02-2020 00:00:00	01-02-2020 00:00:00	1	0	1	1	Yes	Reviewer	Asian Journal of Control	No	Award / Position / Recognition Secured — Reviewer; Title of Innovation / Start-up Secured the Award / Recognition — Asian Journal of Control; Award/ Recognition/Achievement Received for — Idea/Innovation/Prototype	Approved									

Sr no	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	Status Phase-1	Reason Phase-1	Comment Phase-1	Document Phase-1	Remarks Phase-1	Status Phase-2	Reason Phase-2	Comment Phase-2	Document Phase-2	Remarks Phase-2
92	IIC Innovation Ambassador Training Series	IPR	Training	Institutions Innovation Council of MHRD Innovation Cell AICTE and RMK Engineering College	Govt. Agency (Central)	08-02-2020 00:00:00	09-02-2020 00:00:00	2	0	4	4	Yes	Best	Ambassador	No	Award / Position / Recognition Secured: Best; Title of Innovation / Start-up Secured the Award / Recognition: Ambassador; Award/ Recognition/Achievement Received for: Idea/Innovation/Prototype	Approved									
93	International Conference on Intellectual property and Entrepreneurship	IPR	Conference	Holy Cross Home Science College, Thoothukudi, Tamil Nadu	Educational Institute	20-02-2020 00:00:00	20-02-2020 00:00:00	1	0	1	1	Yes	Best Presentation	Best Presentation	No	Award / Position / Recognition Secured: Best Presentation; Title of Innovation / Start-up Secured the Award / Recognition: Best Presentation; Award/ Recognition/Achievement Received for: Idea/Innovation/Prototype	Approved									

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)	Status Phase-1	Reason Phase-1	Comment Phase-1	Document Phase-1	Remarks Phase-1	Status Phase-2	Reason Phase-2	Comment Phase-2	Document Phase-2	Remarks Phase-2
1	BM17613-Medical Industrial Training	Innovation	Elective/Core Credit Course	Bachelor	Biomedical Engineering	10-12-2019	30-04-2020	142	Offline	116	45	Approved									
2	MX19203-Medical Device concept to market	Entrepreneurship/Startup	Elective/Core Credit Course	Master	Biomedical Engineering	12-09-2019	31-12-2019	111	Offline	15	45	Approved									
3	NPTEL FDP on Introduction to Internet of Things	Innovation	Short term Course	Short Term Certificate Course	Indian Institute of Technology Madras	01-08-2019	30-10-2019	91	Online	5	45	Approved									
4	NPTEL FDP on Introduction to Research	Innovation	Short term Course	Short Term Certificate Course	Indian institute of Technology Madras	01-08-2019	30-10-2019	91	Online	1	30	Approved									
5	NPTEL FDP on Python for Data Science	Innovation	Short term Course	Short Term Certificate Course	Indian Institute of Technology Madras	01-08-2019	31-10-2019	92	Online	1	30	Approved									
6	NPTEL FDP on Ethical Hacking	Innovation	Short term Course	Short Term Certificate Course	Indian Institute of Technology Madras	01-08-2019	30-10-2019	91	Online	1	30	Approved									
7	Subjecting thin film devices for cancer diagnosis	Innovation	Short term Course	Short Term Certificate Course	Seshang biological systems	29-05-2019	07-06-2019	10	Offline	1	45	Approved									
8	Leadership	Entrepreneurship/Startup	Short term Course	Short Term Certificate Course	NPTEL SWAYAM	29-07-2019	23-08-2019	26	Online	1	52	Approved									

9	Green Communication Networks and Simulation of Wireless Networks using NS-3	Innovation	Short term Course	Short Term Certificate Course	Department of Electronics and Communication Engineering SA Engineering College	02-12-2019	07-12-2019	6	Offline	3	30	Approved								
10	Smart materials sensors and energy devices	Innovation	Short term Course	Short Term Certificate Course	Department of Electronics and Communication Engineering SSN College of Engineering	25-05-2020	30-05-2020	6	Online	1	30	Approved								
11	Soft Skills-I	Entrepreneurship/Startup	Elective/Core Credit Course	Bachelor	Electrical and Electronics Engineering	10-07-2019	11-12-2020	521	Offline	168	30	Approved								
12	Soft Skills-II	Entrepreneurship/Startup	Elective/Core Credit Course	Bachelor	Electrical and Electronics Engineering	02-01-2019	08-06-2020	523	Offline	159	30	Approved								
13	Innovation and Design thinking for Electrical Engineers	Innovation	Elective/Core Credit Course	Bachelor	Electrical and Electronics Engineering	10-07-2019	11-12-2020	521	Offline	168	30	Approved								
14	Problem Solving Technique	Entrepreneurship/Startup	Elective/Core Credit Course	Bachelor	Electrical and Electronics	10-07-2020	11-12-2020	155	Offline	168	30	Approved								

15	Research Methodology and IPR	IPR	Elective/ Core Credit Course	Master	Embedded System Technology	19-08-2019	28-12-2020	498	Offline	8	45	Approved											
16	IOT Applications for Embedded Systems	Entrepreneurship/Startup	Elective/ Core Credit Course	Master	Embedded System Technology	10-07-2019	28-12-2020	538	Offline	5	60	Approved											
17	Product Design and Manufacturing	Entrepreneurship/Startup	Elective/ Core Credit Course	Credit Course (Elective)	Mechatronics Engineering	27-01-2020	17-04-2020	82	Online	71	45	Approved											
18	Wipro Mission 10 X UTLP Training Program	Entrepreneurship/Startup	Short term Course	Short Term Certificate Course	Training Department	16-12-2019	20-12-2019	5	Offline	40	35	Approved											
19	Rec Bosch joint certification course	Entrepreneurship/Startup	Short term Course	Short Term Certificate Course	Robert Bosch Gmbh	09-12-2019	13-12-2019	5	Offline	118	35	Approved											
20	Introduction to Product development	Entrepreneurship/Startup	Elective/ Core Credit Course	Credit Course (Elective)	Aeronautical	01-12-2019	01-03-2020	92	Offline	24	45	Approved											
21	Entrepreneurship development	Entrepreneurship/Startup	Elective/ Core Credit Course	Credit Course (Elective)	Aeronautical	01-01-2020	01-03-2020	61	Offline	18	45	Approved											
22	Patent drafting Rules	IPR	Elective/ Core Credit Course	Credit Course (Elective)	Aeronautical	01-02-2020	01-03-2020	30	Offline	27	45	Approved											
23	Research Methodology and IPR	IPR	Elective/ Core Credit Course	Credit Course (Compulsory)	Department of Biotechnology	12-09-2019	10-12-2019	90	Offline	11	45	Approved											

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)	Status Phase-1	Reason Phase-1	Comment Phase-1	Document Phase-1	Remarks Phase-1	Status Phase-2	Reason Phase-2	Comment Phase-2	Document Phase-2	Remarks Phase-2

1	Advance simulation tools for Electronics Engineers	Innovation	FDP in I&E / IPR	Department of Electronics and Communication Engineering SA Engineering College	27-04-2020	01-05-2020	5	Online	2	30	Approved									
2	Artificial Intelligence	Innovation	FDP in I&E / IPR	Maharana Pratap University	30-04-2020	04-05-2020	5	Online	1	30	Approved									
3	Disruptive technologies	Innovation	FDP in I&E / IPR	Industry Academia Cell Department of Electronics and Communication Engineering	08-05-2020	16-05-2020	9	Online	2	45	Approved									
4	Data Science	Innovation	FDP in I&E / IPR	NIT Nagaland	11-05-2020	15-05-2020	5	Online	1	30	Approved									
5	Scope of Artificial intelligence and Machine Learning in Automation	Innovation	FDP in I&E / IPR	Department of Information Technology Velalar College of Engineering	11-05-2020	17-05-2020	7	Online	2	35	Approved									
6	Recent Trends in VLSI and Embedded Auto Industry	Innovation	FDP in I&E / IPR	Centre for VLSI and Embedded Systems Design in association with Department of Electronics and Communication Engineering	20-05-2020	25-05-2020	6	Online	1	30	Approved									
7	Computer and Communication Networks	Innovation	FDP in I&E / IPR	Department of Information Technology Sri Sai Ram Institute of Technology	21-05-2020	27-05-2020	7	Online	1	35	Approved									

#	Title	Category	Type	Department	Start	End	Days	Mode	Count	Target	Status
8	Artificial Intelligence	Innovation	FDP in I&E / IPR	Department of Information Technology Vignans Institute of Engineering for Women	22-05-2020	26-05-2020	5	Online	1	30	Approved
9	Workshop Cum Training on Industry 4	Entrepreneurship/Startup	Employment Generation Training Programs	Rajalakshmi Engineering College	24-08-2019	27-08-2019	4	Offline	80	30	Approved
10	Enriching innovation through Employability camp	Innovation	Employment Generation Training Programs	Training and Placement Department	30-06-2019	07-07-2019	8	Offline	257	42	Approved
11	Exploring innovation in the Sales Force domain	Innovation	Employment Generation Training Programs	Training and Placement Department	20-08-2019	24-08-2019	5	Offline	111	35	Approved
12	Innovation in problem solving using Oracle Java Programming	Innovation	FDP in I&E / IPR	Training and Placement Department	19-08-2019	23-08-2019	5	Offline	2	35	Approved
13	Harnessing the power of Innovation in Cybersecurity infrastructure configuration	Innovation	FDP in I&E / IPR	Training and Placement Department	22-07-2019	26-07-2019	5	Offline	2	35	Approved
14	Innovative thinking in problem solving	Innovation	Employment Generation Training Programs	Training and Placement Department	16-12-2019	20-12-2019	5	Offline	309	35	Approved
15	Harnessing the power of Innovation in Cybersecurity infrastructure configuration	Innovation	FDP in I&E / IPR	Training and Placement Department	26-11-2019	30-11-2019	5	Offline	3	35	Approved
16	Exploring innovation in the Sales Force domain	Innovation	FDP in I&E / IPR	Training and Placement Department	16-12-2020	20-12-2020	5	Offline	2	35	Approved

17	FDP on Enrinching innovation through cloud computing	Innovation	Employment Generation Training Programs	Training and Placement Department	11-07-2019	15-07-2019	5	Offline	2	35	Approved							
18	Innovation in problem solving using Python Programming	Innovation	FDP in I&E / IPR	Training and Placement Department	26-07-2019	29-07-2019	4	Offline	2	32	Approved							
19	FDP on how Big Data helps in innovative data analysis	Innovation	FDP in I&E / IPR	Training and Placement Department	07-08-2019	10-08-2019	4	Offline	1	32	Approved							
20	Learning Emotional Intelligence through innovative ideas	Innovation	FDP in I&E / IPR	Training and Placement Department	14-08-2019	19-08-2019	6	Offline	2	40	Approved							
21	Team Building and Management for Innovation	Innovation	FDP in I&E / IPR	Training and Placement Department	20-08-2019	23-08-2019	4	Offline	2	32	Approved							
22	Exploring innovation in the Cloud Masters	Innovation	FDP in I&E / IPR	Training and Placement Department	24-08-2019	27-08-2019	4	Offline	6	30	Approved							
23	Innovation in Teaching Techniques with Gamification	Innovation	FDP in I&E / IPR	Training and Placement Department	29-08-2019	02-09-2019	5	Offline	2	40	Approved							
24	Learn and Explore MedTech through innovation	Innovation	FDP in I&E / IPR	Training and Placement Department	26-09-2019	29-09-2019	4	Offline	3	32	Approved							
25	FDP on how innovation helps in platform development	Innovation	FDP in I&E / IPR	Training and Placement Department	12-09-2019	15-09-2019	4	Offline	1	32	Approved							
26	Innovation in Teaching Techniques	Innovation	FDP in I&E / IPR	Training and Placement Department	16-10-2019	19-10-2019	4	Offline	4	30	Approved							

27	FDP on Integrated Innovation	Innovation	FDP in I&E / IPR	Training and Placement Department	28-11 -2019	02-12 -2019	5	Offline	4	40	Approved								
28	Need for Innovation in the field of Data Science with Python	Innovation	FDP in I&E / IPR	Training and Placement Department	09-12 -2019	13-12 -2019	5	Offline	2	38	Approved								
29	Need for Innovation in the field of Data Science with Python	Innovation	FDP in I&E / IPR	Training and Placement Department	26-12 -2019	29-12 -2019	4	Offline	2	32	Approved								
30	Harnessing the power of innovation in auto component industries by brakes india	Innovation	FDP in I&E / IPR	Training and Placement Department	13-02 -2020	16-02 -2020	4	Offline	3	30	Approved								
31	Team building and managing for innovation	Innovation	FDP in I&E / IPR	Training and Placement Department	10-02 -2020	13-02 -2020	4	Offline	3	30	Approved								
32	Exploring tools for Innovation in Product Lifecycle Management	Innovation	FDP in I&E / IPR	Training and Placement Department	17-02 -2020	22-02 -2020	6	Offline	4	70	Approved								
33	Innovation in problem solving using Python Programming	Innovation	Employment Generation Training Programs	Training and Placement Department	15-02 -2020	22-02 -2020	8	Offline	197	50	Approved								
34	Energy and environmental design training for Innovation	Innovation	Employment Generation Training Programs	Training and Placement Department	10-03 -2020	13-03 -2020	4	Offline	16	30	Approved								
35	Advanced technology program for innovation using AI and ML	Innovation	FDP in I&E / IPR	Training and Placement Department	16-03 -2020	19-03 -2020	4	Online	7	30	Approved								
36	Enrinching innovation through AWS cloud computing architecture training	Innovation	Employment Generation Training Programs	Training and Placement Department	09-03 -2020	13-03 -2020	5	Offline	53	35	Approved								

37	Innovation in problem solving using Python Programming	Innovation	FDP in I&E / IPR	Training and Placement Department	12-03-2020	16-03-2020	5	Offline	2	30	Approved									
38	Introduction to data structures and algorithms for innovation	Innovation	Employment Generation Training Programs	Training and Placement Department	13-04-2020	24-04-2020	12	Online	170	30	Approved									
39	Leaning innovative courses through Learnathon - online courses platform	Innovation	Employment Generation Training Programs	Training and Placement Department	04-05-2020	30-05-2020	27	Online	200	60	Approved									
40	Innovation in problem solving using Java Programming	Innovation	Employment Generation Training Programs	Training and Placement Department	27-05-2020	31-05-2020	5	Online	800	30	Approved									

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	Status Phase-1	Reason Phase-1	Comment Phase-1	Document Phase-1	Remarks Phase-1	Status Phase-2	Reason Phase-2	Comment Phase-2	Document Phase-2	Remarks Phase-2
1	Ms.J.Saranya	Electronics and Communication Engineering	Assistant Professor	No	Yes	Approved									
	Training Name			Training Theme		Type of Course	Training Agency Name		Training Agency Type		Training Start Date		Training End Date		Training Duration (in Days)	Mode of Delivery
2	Mr.K.Murali Krishna	Electronics and Communication Engineering	Assistant Professor	No	Yes	Approved									
	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
3	Mrs. V.Sivagami	Electrical and Electronics Engineering	Assistant Professor	Yes	Yes	Approved									

	Highest degree name in I&E and IPR	Power Electronics and Drives										
	Degree Type	PG	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	
	Year of Highest degree in I&E and IPR	2007										
4	Mr. M.Pradeep	Electrical and Electronics Engineering	Assistant Professor	Yes	Yes	Approved						
	Highest degree name in I&E and IPR	Power System										
	Degree Type	PG	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	
	Year of Highest degree in I&E and IPR	2012										
5	Dr. A. Nazar Ali	Electrical and Electronics Engineering	Associate Professor	Yes	Yes	Approved						
	Highest degree name in I&E and IPR	Electrical Engineering										
	Degree Type	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	
	Year of Highest degree in I&E and IPR	2017										

| 6 | Mr.D. Shyam | Electrical and Electronics Engineering | Assistant Professor (SS) | Yes | Yes | Approved | | | | | | | | | |

	Highest degree name in I&E and IPR	Electrical Drives abd Embedded Control	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	2011												

Srno	Name	Department	Designation			Status										
7	Dr.Johanna Rajkumar	Biotechnology	Professor and Dean	No	No	Approved									
8	Dr.D.Sridhar	Biotechnology	Assistant Professor (SG)	No	No	Approved									
9	Dr.K.Sathya	Biotechnology	Associate Professor	No	No	Approved									
10	Dr. V.Gayathri	Biotechnology	Assistant Professor (SG)	No	No	Approved									

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	Status Phase-1	Reason Phase-1	Comment Phase-1	Document Phase-1	Remarks Phase-1	Status Phase-2	Reason Phase-2	Comment Phase-2	Document Phase-2	Remarks Phase-2
1	Designers Consortium	Innovation Club	2018	Co-working Space	IPR Cell/Technology Transfer Centre	3	Yaswanth.R	yaswanth.r.2017.ece@rajalakshmi.edu.in	7094033540	Approved									
2	COSMO Club	Innovation Club	2018	3D Printing	Pre-Incubation Unit	1	Prakash S	prakash.s.2017.mct@rajalakshmi.edu.in	9080630710	Approved									

| 3 | UAV club | Innovation Club | 2019 | Co-working Space | Pre-Incubation Unit | 8 | John De Britto | johndebritto.t.2017.aero@rajalakshmi.edu.in | 7395972278 | Approved | | | | | | | | | |
| 4 | APJ Abdul Kalam Innovative Project Cell | Innovation Club | 2006 | None | IPR Cell/Technology Transfer Centre | 2 | Rebeka Angelina Devakirubai | rebekahangelinadevakirubai.d.2018.bt@rajalakshmi.edu.in | 9150735812 | Approved | | | | | | | | | |

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)

Sr no	Name of Pre-Incubation Centre	Type of Facility	Year of Establishment	Type of Facilities Available at the Centre	Pre-Incubation with Access to Other I&E Facilities at the HEI	Name of the Funding Schemes Available with Pre-Incubation Unit, if any (Optional)	Facility Details		Total Nos of Dedicated Executive/Management team Strength Engaged at the Facility	Had the Pre-Incubation Unit Provided any Funding Support for Idea/Prototype/Innovation Development and implementation during the Financial Year 2019-20	Had institute Generated Income either from Services Offered by Pre-Incubation Centre/Facilities?	Had institute spent expenses either from own resource/received fund towards Establishment/Operation of Pre-Incubation Centre/Facilities?	Status Phase-1	Reason Phase-1	Comment Phase-1	Document Phase-1	Remarks Phase-1	Status Phase-2	Reason Phase-2	Comment Phase-2	Document Phase-2	Remarks Phase-2
1	Centre of excellence in MEMS and microfluidics	Innovation Centre	2009	Co-working Space,3D Printing & Prototype Equipment, Work Stations	Innovation Labs,Centre of Excellence with Advance Tools	Innovation Labs, Centre of Excellence with Advance Tools	Facility Incharge Name	Dr.L.Sujatha	10	No	No	Yes	Approved									
							Facility Incharge Email	sujatha.l@rajalakshmi.edu.in														
							Facility Incharge Phone	7010428499														

Source of Grant / Fund	Agency Name	Agency Type	Total Grants / Funds Received by Pre-Incubation & Incubation Centre / Facilities exists in Campus (In Rupees)
Institute's Own Fund / Resource	RAJALAKSHMI EGINEERING COLLEGE AND DST	Govt. Agency (Central)	10000000

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

Srno	Name of CoE Facility	Year of Establishment	CoE with Access to Other I&E Facilities at the HEI	Name of the Funding Schemes Available with CoE, if any (Optional)	Facility Details		Total Nos of Dedicated Executive/Management team Strength Engaged at the Facility	Had the CoE Provided any Funding Support for Idea/Prototype/Innovation Development and implementation during the Financial Year 2019-20?	Had institute Generated Income either from Services Offered by CoE Centre/Facilities?	Had institute spent expenses either from own resource/received fund towards Establishment/ Operation of CoE Centre/Facilities?	Status Phase-1	Reason Phase-1	Comment Phase-1	Document Phase-1	Remarks Phase-1	Status Phase-2	Reason Phase-2	Comment Phase-2	Document Phase-2	Remarks Phase-2
1	Centre of excellence in MEMS & microfluidics	2013	Innovation Labs	Department of science and technology (Govt. of India)	Facility Incharge Name	Dr.L.Sujatha	8	Yes	No	Yes	Approved									
					Facility Incharge Email	sujatha.l.@rajalakshmi.edu.in														
					Facility Incharge Phone	7010428499														

Source of Grant / Fund	Agency Name	Agency Type	Total Grants / Funds Received by CoE Facility exists in Campus (In Rupees)
Funding Agency	Department of science and technology (Govt. of India), Defence research development organization, Department of atomic energy	Govt. Agency (Central)	0

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

2	Centre for excellence in machine vision - A TIFAC CORE lab	2009	Innovation Labs		Faciity Incharge Name	Dr. R. Sundar	4	No	Yes		Yes	Approved									
					Faciity Incharge Email	sundar.r@rajalakshmi.edu.in			Total Annual Income from Training and Skill Development Services (In Rupees)	0										
									Total Annual Income from (Technical and Business) Mentoring Services (In Rupees)	850000										
					Faciity Incharge Phone	06307516 91			Total Annual Income from Office Space and Rental Services to Start-ups/Innovators (In Rupees)	0										

Source of Grant / Fund	Agency Name	Agency Type	Total Grants / Funds Received by CoE Facility exists in Campus (In Rupees)
Institute's Own Fund / Resource	Rajalakshmi Engineering College	Educational Institute	800000

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

No Data FIled!

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

No Data FIled!

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

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?	Status Phase-1	Reason Phase-1	Comment Phase-1	Document Phase-1	Remarks Phase-1	Status Phase-2	Reason Phase-2	Comment Phase-2	Document Phase-2	Remarks Phase-2
1	IPR CELL	2012	Innovation Park/Research Park		Facility Incharge Name	Dr. V. Gayathri	16	Yes	No	No	Approved									
					Facility Incharge Email	gayathri.vijayakumar@rajalakshmi.edu.in														
					Facility Incharge Phone	9884008795														

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

Sr no	Name of the Faculty	Designation of the Faculty	Mentor Expert Area	Years of Experience in Mentorship (In Years)	Status Phase-1	Reason Phase-1	Comment Phase-1	Document Phase-1	Remarks Phase-1	Status Phase-2	Reason Phase-2	Comment Phase-2	Document Phase-2	Remarks Phase-2
1	Dr.Johanna Rajkumar	Professor	Idea/Innovation Development	8	Approved									

Name of Idea/Innovation/ Startup Mentored	Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
Development of Bio- Sheets from Tapioca and Aloevera for fruits and vegetables preservation	Within	

Sr no	Name of the Faculty	Designation of the Faculty	Mentor Expert Area	Years of Experience in Mentorship (In Years)	Status Phase-1	Reason Phase-1	Comment Phase-1	Document Phase-1	Remarks Phase-1	Status Phase-2	Reason Phase-2	Comment Phase-2	Document Phase-2	Remarks Phase-2
2	Dr.D.Sridhar	Assistant Professor (SG)	Idea/Innovation Development	8	Approved									

Name of Idea/Innovation/ Startup Mentored	Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
Facemask from Sulphated Polysaccharide and Polypropylene By Recrystallization Method	Within	

Sr no	Name of the Faculty	Designation of the Faculty	Mentor Expert Area	Years of Experience in Mentorship (In Years)	Status Phase-1	Reason Phase-1	Comment Phase-1	Document Phase-1	Remarks Phase-1	Status Phase-2	Reason Phase-2	Comment Phase-2	Document Phase-2	Remarks Phase-2
3	Dr.K.Sathya	Associate Professor	Idea/Innovation Development	8	Approved									

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

Sr no	Name of the Faculty	Designation of the Faculty	Mentor Expert Area	Years of Experience in Mentorship (In Years)	Status Phase-1	Reason Phase-1	Comment Phase-1	Document Phase-1	Remarks Phase-1	Status Phase-2	Reason Phase-2	Comment Phase-2	Document Phase-2	Remarks Phase-2
4	Dr. V.Gayathri	Assistant Professor (SG)	IPR Protection & Commercialization	8	Approved									

Name of Idea/Innovation/ Startup Mentored	Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
Biopesticide to protect stored food grain	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	Status Phase-1	Reason Phase-1	Comment Phase-1	Document Phase-1	Remarks Phase-1	Status Phase-2	Reason Phase-2	Comment Phase-2	Document Phase-2	Remarks Phase-2
1	Puthran & Associates	IPR Protection & Commercialization	Unstructured Mentorship	Approved									

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

No Data FIled!

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

No Data FIled!

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

No Data Flled!

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

No Data Flled!

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

Srno	Title/Name of Patent	IP Registration Number	Date of Filed/Published (Year, Month)	Application Level	Copy of receipt / application screenshot [PDF or Image]	Status Phase-1	Reason Phase-1	Comment Phase-1	Document Phase-1	Remarks Phase-1	Status Phase-2	Reason Phase-2	Comment Phase-2	Document Phase-2	Remarks Phase-2
1	Deep Learning based Retinal Microvascular Measurement of Eye	201941040242	National	2019 - 04	Uploaded	Approved									
2	Hand Gesture Recognition for Speech Impaired People	201941040877A	National	2019 - 10	Uploaded	Approved									
3	Smart Stick	201941016422	National	2019 - 04	Uploaded	Approved									
4	System and Method for monitoring and Assisting Cognitively Impaired Individuals	201941028199	National	2019 - 07	Uploaded	Approved									
5	Arm Band for Blood Testing	325592-001	National	2020 - 02	Uploaded	Approved									
6	Clicking Option Enabled Hands-Free Computer Mouse	201941041811	National	2019 - 10	Uploaded	Approved									
7	A Novel Electrospun Nanofibrous Scaffold To Treat Skin Burns	201941025890	National	2019 - 06	Uploaded	Approved									
8	Vacuum Operated Continuum Manipulator	201941027356	National	2019 - 07	Uploaded	Approved									
9	EVM Control	201941040658	National	2019 - 10	Uploaded	Approved									
10	Composite Film For Extending The Shelf Life Of Bottled Padhaneer	201941038803	National	2019 - 09	Uploaded	Approved									

11	Automatic stand lifting system for motorcycles with feedback System	201941039835	National	2019 - 10	Uploaded	Approved								
12	Multisource Ups / Stabilizer For Industrial, Commercial And Residential Users	201941044443	National	2019 - 11	Uploaded	Approved								
13	Ferromagnetic suspension system for automobiles	202041006602	National	2020 - 02	Uploaded	Approved								
14	systems and method for cooking food items	201941030758	National	2019 - 07	Uploaded	Approved								
15	Portable air conditioner for vehicles	201941035581	National	2019 - 04	Uploaded	Approved								
16	Electric energy generation from exhaust air of high rating air conditioners	202041011338	National	2020 - 03	Uploaded	Approved								
17	Multisource UPS/stabilizer for industrial, commercial and residential users	201941044443/	National	2019 - 11	Uploaded	Approved								
18	Hybrid solar cooking system with solar thermal and Photovoltaics to generate electrical energy for household applications	201941047107	National	2019 - 12	Uploaded	Approved								

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

No Data FIled!

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

No Data FIled!

Declaration

To,
The ARIIA Committee
MHRD's Innovation Cell
New Delhi

Joint Declaration by the Head of the Institute and Nodal Officer

Dear Sir,

Herewith, myself Dr. S.N.Murugesan (Head of Institute) and Mr. CHENTHIL M (Nodal Officer) jointly declaring on behalf of our institute is that all the information submitted are true and correct to best of our knowledge.

Thank you
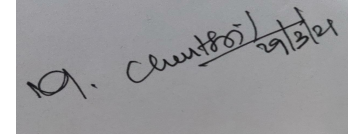
The Head of Institute

Nodal officer

Dr. S.N.Murugesan
Head of the Institution,
Chennai, Tamil Nadu

Mr. CHENTHIL M
Nodal Officer,
Chennai, Tamil Nadu

Responsibility for accuracy and authenticity of data lies with the concerned institution.