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

Institute Name: Rajalakshmi Institute of Technology [ARI-C-16532]

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

Srno	Department / Center / Unit Name	Type of Department / Center / Unit	Mention the Stream / Discipline / Sector of focus	Department / Center / Unit Level	Program Type	Student / Benificiary Strength (2019-20)	Academic Staff Strength (2019-20)	Non-academic Staff Strength (2019-20)
1	Computer Science and Engineering	Academic Department with lab facility	Computer science	UG / PG / PhD	Technical	582	24	5
2	Electronics and Communication Engineering	Academic Department with lab facility	Electronics & Communication	UG / PG / PhD	Technical	510	28	5
3	Electrical and Electronics Engineering	Academic Department with lab facility	Electrical & Electronics	UG / PG / PhD	Technical	116	10	6
4	Mechanical Engineering	Academic Department with lab facility	Mechanical Engineering	UG / PG / PhD	Technical	407	28	5
5	Information Technology	Academic Department with lab facility	Information Technology	UG / PG / PhD	Technical	55	4	2
6	Centre for Internet of Things	Research Unit / Park	Multidisciplinary	UG / PG / PhD	Technical	1208	62	16
7	Centre for Artificial Intelligence and Data Science	Research Unit / Park	Multidisciplinary	UG / PG / PhD	Technical	1670	94	23
8	Centre for Advanced Manufacturing (3D Printing and Robotics)	Centre of Excellence with Advance Tools & Equipment	Multidisciplinary	UG / PG / PhD	Technical	1033	66	16
9	Innovative Project Cell	Pre-incubation unit	Multidisciplinary	UG / PG / PhD	Technical	1670	94	23
10	Innovation and Incubation Cell(EDC and Problem Box Unit)	Incubation Unit	Multidisciplinary	UG / PG / PhD	Technical	1670	94	23
11	Intellectual Property Rights Cell	IPR Cell / Patent Facilitation Unit / Technology Transfer Centre	Multidisciplinary	UG / PG / PhD	Technical	1670	94	23
12	Humanities and Science	Academic Department with lab facility	Multidisciplinary	UG / PG / PhD	Technical	292	40	6

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

Programs/Initiatives	Status	Registration ID

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

Adopted National Innovation and Start-up Policy at the HEI	Yes	Not Required
Establishment of Institution's Innovation Council (IIC) at HEI	YES	IIC Registration ID : IC202015448
Trained Innovation Ambassadors at HEI	YES	Not Required
Participation in Smart India Hackathon (SIH)	Yes	Not Required
Facilitated listing start-ups/ technologies in Young India combating COVID with Knowledge, Technology and Innovation (YUKTI 2.0) portal of MIC	No	Not Required
Participation in National Education Alliance of Technology (NEAT)	No	Not Required

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

Srno	Name of Program (Full Name)	Program Theme	Program Type	Program Category	Organizing Department / Centre / Student Body Name	Program Start Date	Program End Date	Program Duration(in Days)	Program Location	Internal Participants (Student)	Internal Participants (Faculty)	External Participants (Student)	External Participants (Faculty)	Total Number of Participants	Had institute spent expenses either from own resource/received fund to organise the program/activity/event?	Did any of the participants received any awards/recognition for startup / innovation ideas / research?
1	DST-NIMAT	Entrepreneurship/Startup	Awareness	Institute Lead Activity	Entrepreneurship development cell	30-01-2020 00:00:00	01-02-2020 00:00:00	3	Within Campus	50	0	25	0	75	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) 21154	No
2	EDC-Stall	Entrepreneurship/Startup	Exhibition	Student Lead Activity	Entrepreneurship development cell	05-04-2019 00:00:00	06-04-2019 00:00:00	2	Within Campus	350	7	0	0	357	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) 30000	No
3	EDC-Meet	Entrepreneurship/Startup	Mentoring Session	Institute Lead Activity	Startup	10-08-2019 00:00:00	10-08-2019 00:00:00	1	Within Campus	25	10	0	10	45	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) 30500	No
4	Hackathon	IPR, Innovation	Hackathon	Institute Lead Activity	Computer Science Engineering	22-01-2020 00:00:00	22-01-2020 00:00:00	1	Within Campus	90	0	0	0	90	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) 86000	No
5	Motivational speech on Entrepreneurship	Entrepreneurship/Startup	Motivational speak	Institute Lead Activity	Entrepreneurship development cell	08-01-2020 00:00:00	08-01-2020 00:00:00	1	Within Campus	180	7	0	0	187	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) 2500	No

6	Yustart entrepreneur hunt	Entrepreneurship/Startup	Mentoring Session	Institute Lead Activity	RIT yuva club	02-08-2019 00:00:00	02-08-2019 00:00:00	1	Within Campus	210	10	0	0	220	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	4500	Award / Position / Recognition Secured — Award value adding; Title of Innovation / Start-up Secured the Award / Recognition — Award for the most value adding yuva college; Award/Recognition/Achievement Received for — Idea/Innovation/Prototype
7	Stress Buster for Entrepreneurs - 5TH INTERNATIONAL YOGA DAY 2019	Entrepreneurship/Startup	Training	Student Lead Activity	RIT, in association with CII-Yi (Young Indians).	21-06-2019 00:00:00	21-06-2019 00:00:00	1	Within Campus	125	25	0	0	150	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	4500	No
8	CII YI YUVA EDC ORIENTATION SESSION 2019	Entrepreneurship/Startup	Mentoring Session	Institute Lead Activity	RIT YUVA CLUB	09-07-2019 00:00:00	09-07-2019 00:00:00	1	Within Campus	100	10	0	0	110	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	4500	Award / Position / Recognition Secured — Award for maximum number of events from a yuva college; Title of Innovation / Start-up Secured the Award / Recognition — Award for maximum number of events from a yuva college; Award/Recognition/Achievement Received for — Idea/Innovation/Prototype
9	A conclave on Becoming a sourcing superstar using LinkedIn for HR Managers	Entrepreneurship/Startup	Start-up Conclave	Institute Lead Activity	RAJALAKSHMI INSTITUTE OF TECHNOLOGY	27-04-2019 00:00:00	27-04-2019 00:00:00	1	Within Campus	100	10	50	50	210	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	4500	No
10	Creative Strategies for Acquisition of Business Language Skills	Entrepreneurship/Startup	Skill development	Institute Lead Activity	DEPARTMENT OF HUMANITIES AND SCIENCE (ENGLISH)	24-06-2019 00:00:00	25-06-2019 00:00:00	2	Within Campus	120	10	0	0	130	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	4500	No

11	launch of EDC Start-up Student Club activities	Entrepreneurship/Startup	Start-up Yatra	Institute Lead Activity	Entrepreneurship development cell	04-07-2019 00:00:00	04-07-2019 00:00:00	1	Within Campus	200	50	0	0	250	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) — 5000	No
12	CII Yi YUVA ORIENTATION SESSION on EDC	Entrepreneurship/Startup	Orientation Session	Student Lead Activity	Entrepreneurship development cell	09-07-2019 00:00:00	09-07-2019 00:00:00	1	Within Campus	150	10	0	0	160	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) — 4700	Award / Position / Recognition Secured: Award for maximum Contribution; Title of Innovation / Start-up Secured the Award / Recognition: Maximum Contributor Award; Award/Recognition/Achievement Received for: Idea/Innovation/Prototype
13	Dream Green Rotaractors	Innovation	Orientation Session	Student Lead Activity	Rotaract Club of RIT,Rotary Club of Chennai Gateway	10-07-2019 00:00:00	10-07-2019 00:00:00	1	Within Campus	130	15	0	0	145	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) — 4600	No
14	Innovation-Ignition Tour at Nobel Tech India Pvt. Ltd.	Innovation	Training	Institute Lead Activity	DEPARTMENT OF MECHANICAL ENGINEERING	23-07-2019 00:00:00	24-07-2019 00:00:00	2	Outside Campus	120	4	0	0	124	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) — 6500	No
15	Machine Learning using Python	Innovation	Workshop	Institute Lead Activity	Students Association of ECE, RIT	07-08-2019 00:00:00	07-08-2019 00:00:00	1	Within Campus	35	5	0	0	40	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) — 4500	No
16	Innovation-Ignition Tour to Satish Dhawan Space Center (SDSC)	Innovation	Training	Institute Lead Activity	COMPUTER SCIRNCE ENGINEERING,RIT	08-08-2019 00:00:00	08-08-2019 00:00:00	1	Outside Campus	70	2	0	0	72	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) — 4975	No

17	Innovation-Ignition Tour "The Madras Atomic Power Station" (MAPS), Kalpakkam, NPCIL	Innovation	Training	Institute Lead Activity	Electronics and Communication Engineering	16-08-2019 00:00:00	16-08-2019 00:00:00	1	Outside Campus	85	2	0	0	87	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	5025	No
18	Machine Learning, Data Science and Deep Learning with Python	Innovation	Workshop	Institute Lead Activity	The Department of Computer Science and Engineering	17-08-2019 00:00:00	17-08-2019 00:00:00	1	Within Campus	80	3	0	0	83	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	4520	No
19	YUVATAARA	Entrepreneurship/Startup	Orientation Session	Student Lead Activity	CII-Yi Yuva Club of RIT	27-08-2019 00:00:00	27-08-2019 00:00:00	1	Within Campus	120	4	0	0	124	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	4500	No
20	Training Program" on IEEE Xplore® Digital Library	Innovation	Training	Institute Lead Activity	TRAINING	17-09-2019 00:00:00	17-09-2019 00:00:00	1	Within Campus	60	5	0	0	65	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	4510	No
21	Basics of 3D Scanning	IPR	Workshop	Student Lead Activity	STEM CLUB	18-09-2019 00:00:00	18-09-2019 00:00:00	1	Within Campus	45	2	0	0	47	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	4200	No
22	ZOHO Creator Certified Associate	Innovation	Training	Institute Lead Activity	TRAINING,RIT	19-09-2019 00:00:00	19-09-2019 00:00:00	1	Within Campus	55	3	0	0	58	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	3270	No
23	New Trends in 3D Printing	Innovation	Workshop	Student Lead Activity	STEAM Club	26-09-2019 00:00:00	26-09-2019 00:00:00	1	Within Campus	40	3	0	0	43	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	4750	No

24	Social Media Marketing and Power dressing	Innovation	Mentoring Session	Student Lead Activity	YUVA CLUB RIT	28-09-2019 00:00:00	28-09-2019 00:00:00	1	Within Campus	40	3	0	0	43	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	4500	No
25	Solar Ambassador Workshop	Innovation	Workshop	Institute Lead Activity	IIT Bombay	02-10-2019 00:00:00	02-10-2019 00:00:00	1	Within Campus	130	7	0	0	137	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	4700	No
26	poster competition - Innovations in Engineering and Technology	Innovation	Innovation Contest	Student Lead Activity	Innovative Project Cell of Rajalakshmi Institute of Technology	05-10-2019 00:00:00	05-10-2019 00:00:00	1	Within Campus	145	7	0	0	152	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	5000	No
27	Maker's Meet	Innovation	Innovation Contest	Student Lead Activity	STEAM CLUB	12-10-2019 00:00:00	12-10-2019 00:00:00	1	Within Campus	80	3	0	0	83	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	4500	No
28	Promoting Digital learning in schools	Entrepreneurship/Startup	Awareness	Student Lead Activity	Rajalakshmi Institute of Technology	14-07-2019 00:00:00	14-07-2019 00:00:00	1	Outside Campus	156	112	63	10	341	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	291980	No
29	3D Printing- Concepts ,Methods and Applications	Innovation	Training	Institute Lead Activity	Mechanical Engineering	04-11-2019 00:00:00	11-11-2019 00:00:00	8	Within Campus	0	20	0	40	60	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	28267	No
30	Awarness on National Constitution for Entrepreneurs	Entrepreneurship/Startup	Orientation Session	Institute Lead Activity	Rajalakshmi Institute of Technology	26-11-2019 00:00:00	26-11-2019 00:00:00	1	Within Campus	130	15	0	0	145	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	1000	No

31	THE MOTIVATOR	Entrepreneurship/Startup	Motivational speak	Institute Lead Activity	Rajalakshmi Institute of Technology	11-12-2019 00:00:00	11-12-2019 00:00:00	1	Within Campus	150	63	0	0	213	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	4570	No
32	Workshop on "Quadcopter Technology"	Innovation	Workshop	Institute Lead Activity	Rajalakshmi Institute Of Technology	19-12-2019 00:00:00	19-12-2019 00:00:00	1	Within Campus	35	10	0	0	45	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	4500	No
33	INTERNAL SMART INDIA HACKATHON	Innovation	Hackathon	Institute Lead Activity	Rajalakshmi Institute Of Technology	22-01-2020 00:00:00	23-01-2020 00:00:00	2	Within Campus	85	24	0	5	114	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	63400	No
34	Motivational Talk on Entrepreneurship	Entrepreneurship/Startup	Motivational speak	Institute Lead Activity	Rajalakshmi Institute of Technology	10-02-2020 00:00:00	10-02-2020 00:00:00	1	Within Campus	405	50	0	12	467	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	4570	No
35	Alumni talk on Entrepreneurship	Entrepreneurship/Startup	Motivational speak	Institute Lead Activity	Rajalakshmi Institute of Technology	07-03-2020 00:00:00	07-03-2020 00:00:00	1	Within Campus	105	120	245	0	470	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	5700	No
36	Workshop on Android oriented IOT Applications Development	Innovation	Workshop	Institute Lead Activity	Rajalakshmi Institute Of Technology	10-02-2020 00:00:00	12-02-2020 00:00:00	3	Within Campus	124	20	0	0	144	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	7600	No
37	ASME Standards and Certification Course	Innovation	Training	Institute Lead Activity	Rajalakshmi Institute of Technology	08-02-2020 00:00:00	10-02-2020 00:00:00	3	Within Campus	12	3	0	0	15	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	1000	No

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

38	CATCH THEM YOUNG	Entrepreneurship/Startup	Seminar	Institute Lead Activity	Rajalakshmi Institute Of Technology	15-02-2020 00:00:00	15-02-2020 00:00:00	1	Outside Campus	220	10	0	0	230	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	4700	No
39	Workshop on AutoCAD & AutoLISP Programming	Innovation	Workshop	Institute Lead Activity	Centre for Advanced Manufacturing	14-02-2020 00:00:00	15-02-2020 00:00:00	2	Within Campus	25	3	0	0	28	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	1000	No
40	Workshop on "Visual Effects"	Innovation	Workshop	Institute Lead Activity	Computer Science and Engineering	07-02-2020 00:00:00	07-02-2020 00:00:00	1	Within Campus	30	5	0	0	35	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	4720	No
41	ROBOT SIMULATION USING COPPELIASIM	Innovation	Workshop	Institute Lead Activity	Centre for advanced manufacturing	24-01-2020 00:00:00	24-01-2020 00:00:00	1	Within Campus	25	5	0	0	30	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	1000	No
42	Design Process in Automobile Industry	Innovation	Awareness	Institute Lead Activity	Department of Mechanical Engineering	15-02-2020 00:00:00	15-02-2020 00:00:00	1	Within Campus	152	10	0	0	162	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	4500	No
43	Test Classification using state of the" Art Techniques"	Innovation	Orientation Session	Institute Lead Activity	Rajalakshmi Institute Of Technology	29-02-2020 00:00:00	29-02-2020 00:00:00	1	Within Campus	124	6	0	0	130	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	4270	No
44	Basics of Arduino board and Proteus Design Suite for Beginners	Entrepreneurship/Startup, Innovation	Workshop	Institute Lead Activity	Rajalakshmi Institute Of Technology	28-02-2020 00:00:00	29-02-2020 00:00:00	2	Within Campus	54	10	0	0	64	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	4250	No

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

| 45 | Women Wellness Program on Industry-IPR | IPR, Innovation | Orientation Session | Institute Lead Activity | Rajalakshmi Institute of Technology | 25-02-2020 00:00:00 | 25-02-2020 00:00:00 | 1 | Within Campus | 100 | 15 | 0 | 0 | 115 | Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) | 4575 | No |

Section 1 > ii : Details of Students, Faculties/Staff Participation/Representation in Co-curricular events/programs related to Innovation, IPR and Entrepreneurship/Start-up at the State, National and (or) International Level (Organized by External Organizations) sent by the HEI

Srno	Name of Program (Full Name)	Program Theme	Program Type	Organizing Agency / Institute Name	Organizing Agency Type	Program Start Date	Program End Date	Program Duration(in Days)	Participants (Students)	Participants (Faculty)	Total Number of Participants	Awards/Recognitions/Achievements	Award / Position / Recognition Secured	Title of Innovation / Start-up Secured the Award / Recognition	Had institute spent expenses either from own resource/ received fund towards sending delegation to participate / represent the activity /event?	Did any of the participants received any awards/recognition for startup / innovation ideas / research
1	3M-CII Young Innovators Challenge Awards 2019	Entrepreneurship/Startup	B-Plan Competitions	CII - chennai chapter	Non-Govt. Agencies	25-07-2019 00:00:00	26-07-2019 00:00:00	2	60	3	63	No	---	---	TotalTotal Expense Amount Incurred by Institute? (In Rupees) 4500	No
2	HACKATHON	Innovation	Innovation Contest	MHRD	Govt. Agency (Central)	12-09-2019 00:00:00	13-09-2019 00:00:00	2	4	0	4	No	---	---	TotalTotal Expense Amount Incurred by Institute? (In Rupees) 20000	No
3	INDUSTRY TO TEA STALL	Entrepreneurship/Startup	Exposure visit	RSB	Educational Institute	05-04-2019 00:00:00	05-04-2019 00:00:00	1	15	1	16	No	---	---	TotalTotal Expense Amount Incurred by Institute? (In Rupees) 1000	No
4	Future Leaders	Entrepreneurship/Startup	Motivational speak	RSB	Educational Institute	18-04-2019 00:00:00	18-04-2019 00:00:00	1	50	3	53	No	---	---	TotalTotal Expense Amount Incurred by Institute? (In Rupees) 1520	No
5	various insights on the evolution of OYO	Entrepreneurship/Startup	Mentoring Session	RSB	Educational Institute	19-06-2019 00:00:00	19-06-2019 00:00:00	1	45	2	47	No	---	---	TotalTotal Expense Amount Incurred by Institute? (In Rupees) 1000	No

6	Invest their time wisely for the next 21 months for a successful and long term rewarding career	Innovation	Mentoring Session	RSB	Educational Institute	01-07-2019 00:00:00	01-07-2019 00:00:00	1	45	3	48	No	---	---	TotalTotal Expense Amount Incurred by Institute? (In Rupees)	900	No
7	young Corporate Professionals address students	Entrepreneurship/Startup	Motivational speak	RSB	Educational Institute	02-07-2019 00:00:00	02-07-2019 00:00:00	1	50	3	53	No	---	---	TotalTotal Expense Amount Incurred by Institute? (In Rupees)	980	No
8	COMMITTED TO YOUR GROWTH	Entrepreneurship/Startup	Ideation	RSB	Educational Institute	12-07-2019 00:00:00	12-07-2019 00:00:00	1	30	3	33	No	---	---	TotalTotal Expense Amount Incurred by Institute? (In Rupees)	975	No
9	Global immersion program aids in students	Entrepreneurship/Startup	Orientation Session	RSB	Educational Institute	19-08-2019 00:00:00	19-08-2019 00:00:00	1	60	3	63	No	---	---	TotalTotal Expense Amount Incurred by Institute? (In Rupees)	980	No
10	Behavioral Skills for the Developing Managers	Entrepreneurship/Startup	Mentoring Session	RSB	Educational Institute	20-07-2019 00:00:00	22-07-2019 00:00:00	3	50	3	53	No	---	---	TotalTotal Expense Amount Incurred by Institute? (In Rupees)	980	No
11	How to Prepare yourself for Business Interviews	Entrepreneurship/Startup	Mentoring Session	RSB	Educational Institute	06-09-2019 00:00:00	06-09-2019 00:00:00	1	40	3	43	No	---	---	TotalTotal Expense Amount Incurred by Institute? (In Rupees)	970	No
12	Sales and Marketing Tools	Entrepreneurship/Startup	Mentoring Session	RSB	Educational Institute	19-09-2019 00:00:00	19-09-2019 00:00:00	1	40	2	42	No	---	---	TotalTotal Expense Amount Incurred by Institute? (In Rupees)	1025	No
13	Industry Expectations on Freshers	Innovation	Mentoring Session	RSB	Educational Institute	19-09-2019 00:00:00	19-09-2019 00:00:00	1	40	2	42	No	---	---	TotalTotal Expense Amount Incurred by Institute? (In Rupees)	1010	No

Section 1 > ii : Details of Students, Faculties/Staff Participation/Representation in Co-curricular events/programs related to Innovation, IPR and Entrepreneurship/Start-up at the State, National and (or) International Level (Organized by External Organizations) sent by the HEI

14	The Art of Storytelling	Entrepreneurship/Startup	Workshop	RSB	Educational Institute	16-10-2019 00:00:00	16-10-2019 00:00:00	1	45	2	47	No	---	---	TotalTotal Expense Amount Incurred by Institute? (In Rupees) 1065	No
15	Developing Leadership	Entrepreneurship/Startup	Workshop	RSB	Educational Institute	14-11-2019 00:00:00	15-11-2019 00:00:00	2	50	3	53	No	---	---	TotalTotal Expense Amount Incurred by Institute? (In Rupees) 1035	No
16	Photography Exhibition	Innovation	Innovation Contest	REC, THANDALAM	Educational Institute	04-04-2019 00:00:00	06-04-2019 00:00:00	3	50	6	56	No	---	---	TotalTotal Expense Amount Incurred by Institute? (In Rupees) 500	No
17	DATA ACQUISITION USING LABVIEW FOR AEROSPACE APPLICATIONS	Innovation	Workshop	REC, THANDALAM	Educational Institute	30-05-2019 00:00:00	01-06-2019 00:00:00	3	75	10	85	No	---	---	TotalTotal Expense Amount Incurred by Institute? (In Rupees) 1654	No
18	AUTOCAD	Innovation	Workshop	REC, THANDALAM	Educational Institute	05-06-2019 00:00:00	05-06-2019 00:00:00	1	50	2	52	No	---	---	TotalTotal Expense Amount Incurred by Institute? (In Rupees) 1075	No

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

Srno	Title of Course/Subject Offered	Program Theme	Type of Course	Course Offering Department/Centre/Unit Name	Level of Course	Program Start Date	Program End Date	Program Duration(in Days)	Mode of Delivery	Total Numbers of Participants	Total Numbers of Contact Hours of Course (Minimum 30 Contact hours)
1	Professional Ethics in Engineering	Entrepreneurship/Startup	Elective/Core Credit Course	Bachelor	CSE	15-12-2019	02-04-2020	110	Offline	57	60
2	Total quality management	Entrepreneurship/Startup	Elective/Core Credit Course	Bachelor	ECE	17-12-2019	03-04-2020	109	Offline	159	45
3	Professional Ethics in Engineering	Entrepreneurship/Startup	Elective/Core Credit Course	Bachelor	ECE	17-12-2019	03-04-2020	109	Offline	159	45
4	Professional Ethics in Engineering	Entrepreneurship/Startup	Elective/Core Credit Course	Bachelor	EEE	18-12-2019	04-04-2020	109	Offline	53	45
5	Enterpreneurship Development	Entrepreneurship/Startup	Elective/Core Credit Course	Bachelor	Mechanical engineering	19-12-2019	07-04-2020	111	Offline	45	45

6	Employability Preparation Course on ORACLE	Entrepreneurship/Startup	Short term Course	Bachelor	Rajalakshmi Institute Of Technology	20-04-2020	24-04-2020	5	Online	163	32
7	Five day Course on Presentation Skills	Entrepreneurship/Startup	Short term Course	Bachelor	Rajalakshmi Institute Of Technology	28-05-2019	01-06-2019	5	Offline	162	30
8	Five day Course on Presentation Skills(Windows Package)	Entrepreneurship/Startup	Short term Course	Bachelor	Rajalakshmi Institute Of Technology	11-06-2019	15-06-2019	5	Offline	122	30
9	Short Term Course on workplace Competance	Entrepreneurship/Startup, Innovation	Short term Course	Bachelor	Computer Science and Engineering	24-06-2019	29-06-2019	6	Online	154	36
10	Short Term Course on Workplace Competence for Mechanical	Entrepreneurship/Startup	Short term Course	Bachelor	Mechanical Engineering	02-12-2019	07-12-2019	6	Online	163	36
11	Short Term Course on Workplace Competence for Electrical Engineering	Entrepreneurship/Startup	Short term Course	Bachelor	Electrical and Electronics Engineering	09-12-2019	14-12-2019	6	Offline	182	36
12	Five day Design on Antenna design using CST microwave	Entrepreneurship/Startup	Short term Course	Bachelor	Electronics and Communication Engineering	26-11-2019	07-12-2019	12	Offline	100	32
13	Employability Preparation Course on Oracle	Entrepreneurship/Startup	Short term Course	Bachelor	Department on Computer Science	20-04-2020	24-04-2020	5	Offline	163	30
14	Techniques for harvesting and effective utilization of solar energy	Innovation	Short term Course	Bachelor	Department of Mechanical Engineering	04-05-2020	08-05-2020	5	Offline	151	30
15	Five day course on Project Management through Research	Entrepreneurship/Startup, Innovation	Short term Course	Bachelor	Department of Electrical and Electronics Engineering	18-05-2020	22-05-2020	5	Offline	53	36

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

Srno	Title of the Training Program	Program Theme	Type of Course	Course Offering Department/Centre/ Unit Name	Program Start Date	Program End Date	Program Duration(in Days)	Mode of Delivery	Total Numbers of Participants	Total Numbers of Contact Hours of Course (Minimum 30 Contact hours)
1	Five Days Faculty Development Program on Artificial Intelligence using Python Programming	Innovation	Employment Generation Training Programs	CSE	03-06-2019	07-06-2019	5	Offline	14	35
2	Five days Non-Teaching Faculty Training Programme on Fundamentals of Digital Logic Circuits	Innovation	FDP in I&E / IPR	ECE	17-06-2019	21-06-2019	5	Offline	8	35
3	Training on Google Applications	Innovation	FDP in I&E / IPR	CSE	18-02-2019	22-02-2019	5	Offline	5	35
4	STTP on 3D printing concepts methods and applications	Entrepreneurship/Startup	FDP in I&E / IPR	Mechanical engineering	05-11-2019	09-11-2019	5	Offline	15	35
5	Faculty Development Programme - Probability and Queueing Theory	Innovation	FDP in I&E / IPR	Humanities and Science	30-11-2020	04-12-2020	5	Online	15	35

6	Creative Strategies for the Acquisition on English Language Skills	Innovation	FDP in I&E / IPR	Humanities and Science	24-06-2019	28-06-2019	5	Offline		15	35
7	Faculty Development Programme on Python Programming(FDP)	Entrepreneurship/Startup	FDP in I&E / IPR	CSE	15-07-2019	19-07-2019	5	Offline		13	35
8	Hands-on training on multimedia using Photoshop	Entrepreneurship/Startup	FDP in I&E / IPR	CSE	16-12-2019	20-12-2019	5	Offline		11	35
9	BUILDING INTELLIGENT APPLICATIONS WITH DEEP LEARNING USING PYTORCH(STTP)	Innovation	FDP in I&E / IPR	CSE	21-09-2020	26-09-2020	6	Online		12	35
10	Faculty Development Programme on on Life Science	Entrepreneurship/Startup	FDP in I&E / IPR	Admin	04-05-2020	08-05-2020	5	Online		15	35
11	FDP Webinar Series on Tecnnocrat -Technical Exposure on Various Fields by Experts	Innovation	FDP in I&E / IPR	Admin	01-07-2020	30-07-2020	30	Online		150	35
12	Employability Preparation Course on Oracle	Entrepreneurship/Startup	Employment Generation Training Programs	Computer Science and Engineering	20-04-2020	24-04-2020	5	Offline		163	32
13	Technique for Harvesting and Effective utilization of Solar Energy	Entrepreneurship/Startup, Innovation	Employment Generation Training Programs	Mechanical Engineering	04-05-2020	08-05-2020	5	Offline		151	30
14	Five day Course on Project Management through Research	Entrepreneurship/Startup, Innovation	Employment Generation Training Programs	Electrical and Electronics Engineering	18-05-2020	22-05-2020	5	Offline		53	30
15	Five day Course on Antenna design using CST microwave studio	Entrepreneurship/Startup, Innovation	Employment Generation Training Programs	Electronics and Communication Engineering	26-11-2019	07-12-2019	12	Online		100	32
16	Five day Course on Presentation Skills	Entrepreneurship/Startup, Innovation	Employment Generation Training Programs	Computer Science and Engineering	11-06-2019	15-06-2019	5	Online		382	30
17	Short term Course on Workplace Competence	Entrepreneurship/Startup, Innovation	Employment Generation Training Programs	Rajalakshmi Institute of Technology	02-12-2019	07-12-2019	6	Online		495	36
18	AMCAT Training Program on Soft Skills	Innovation	Employment Generation Training Programs	Department of Training and placement	04-02-2019	08-02-2019	5	Online		349	30
19	AMCAT Training Program	Innovation	Employment Generation Training Programs	Training Department	04-02-2019	09-02-2019	6	Offline		349	36
20	TCS digital training program	Innovation	Employment Generation Training Programs	Training Department	20-05-2019	03-06-2019	15	Offline		70	200
21	C - Programming Training	Innovation	Employment Generation Training Programs	Training Department	21-01-2020	27-01-2020	7	Offline		349	50
22	Pega UAP - Certified System Architect Training Program	Innovation	Employment Generation Training Programs	Training Department	12-02-2020	17-02-2020	6	Offline		49	50
23	FACE 360 - Capsule Program (Virtual)	Innovation	Employment Generation Training Programs	Training Department	27-03-2020	10-04-2020	15	Online		195	100

24	Wipro TalentnNext Training for Circuit Branches	Innovation	Employment Generation Training Programs	Training Department	25-05-2020	31-05-2020	7	Online		243	45
25	Python Training by Talentsprint	Innovation	Employment Generation Training Programs	Training Department	06-07-2020	13-07-2020	8	Online		23	32
26	Pinnacle Placement Program - 2021 (Online)	Innovation	Employment Generation Training Programs	Training Department	04-04-2020	30-04-2020	27	Online		30	100
27	Pinnacle Placement Program - 2022 (Online)	Innovation	Employment Generation Training Programs	Training Department	10-07-2020	31-07-2020	22	Online		30	100
28	Residential Employability Camp	Innovation	Employment Generation Training Programs	Training Department	02-06-2019	10-06-2019	9	Offline		314	52
29	Aptitude Training Program	Innovation	Employment Generation Training Programs	Training Department	08-01-2020	11-01-2020	4	Offline		383	30
30	ZCCA Training Program	Innovation	Employment Generation Training Programs	Training Department	03-10-2019	14-10-2019	12	Offline		30	50
31	Wipro Talent Next training program	Innovation	Employment Generation Training Programs	Training Department	24-07-2019	24-10-2020	459	Offline		153	200
32	TCS Ninja and Digital Training	Innovation	Employment Generation Training Programs	Training Department	11-05-2019	25-05-2019	15	Offline		178	90
33	AMCAT Assessment Training program	Innovation	Employment Generation Training Programs	Training Department	27-02-2020	03-03-2020	6	Online		349	30
34	AMCAT Assessment Training program	Innovation	Employment Generation Training Programs	Training Department	28-01-2019	02-02-2019	6	Offline		399	30

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

Srno	Faculty Name	Department/Centre/Unit Name	Designation	Do you have a degree in I&E & IPR?	Had the faculty received training on I&E & IPR during AY 2019-20
1	Dr.C.Kamalakannan	EEE	Professor	No	Yes

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

2	Mr.Jagadeeshawaran	Humanities and Science	Assistant professor	No	No
3	Dr.R Elavarasu	EEE	Associate Professor	No	No
4	Mr.Sethu Ramalingam	Mechanical Engineering	Assistant professor	No	No
5	Ms.Baby shamini	CSE	Assistant professor	No	No
6	Mr.Senthil kumar	ECE	Assistant professor	No	No
7	Mr.Joseph	MBA	Assistant professor	No	No

8	Mr.Vinoth	Management Represenative	Administrative Officer	No	No
9	Mr.FanklinTelfer	ECE	Assistant professor	No	No
10	Dr.Lalitha	Computer Science and Engineering	Professor	Yes	No

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

11		Dr.M.K.Balaji	Science and Humanities	Professor	Yes

No		12		G SANDHIYA DEVI	English	Assistant Professor

Highest degree name in I&E and IPR	PhD in Management
Degree Type	PhD
Year of Highest degree in I&E and IPR	2008

No	Yes

Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)	Mode of Delivery
Interpersonal Skills	Innovation	Short term Certificate	NPTEL	Govt. Agency (Central)	01-07-2019 00:00:00	31-12-2019 00:00:00	184	Online

13	J.LATHA	English	Assistant Professor	No	Yes

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

14	A. KANCHANA	Humanities and Science	Assistant Professor	No	Yes

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

15	VINITHA NAVIS V	Humanities and Science	Assistant Professor	No	Yes

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

16	D. SAMUNDEESWARI	Science and Humanities	Assistant Professor	No	Yes

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

17	GNANAVEL R	Computer Science and Engineering	Assistant Professor	No	Yes

		Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)	Mode of Delivery
18	K.GEETHA RANI		Computer Science and Engineering		Assistant Professor		No		Yes	
		Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)	Mode of Delivery
19	SREELEKHA		Computer Science and Engineering		Assistant Professor		No		Yes	
		Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)	Mode of Delivery
20	JAYAMANI .K		ECE		Assistant Professor		No		Yes	
		Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)	Mode of Delivery
21	NAMI SUSAN KURIAN		ECE		Assistant Professor		No		Yes	
		Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)	Mode of Delivery
22	S SHEELA		ECE		Assistant Professor		No		Yes	
		Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)	Mode of Delivery
23	G KALPANA		CSE		Assistant Professor		No		Yes	
		Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)	Mode of Delivery
24	MAHESWARAN U		ECE		Assistant Professor		No		Yes	
		Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)	Mode of Delivery
25	M ASHOK		CSE		Assistant Professor		No		Yes	
		Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)	Mode of Delivery
26	J REBEKAH		CSE		Assistant Professor		No		Yes	
		Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)	Mode of Delivery
27	SIVAKUMAR K		ECE		Assistant Professor		No		Yes	
		Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)	Mode of Delivery
28	D LOGANAYAKI		CSE		Assistant Professor		No		Yes	

		Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)	Mode of Delivery
29	JAYAKUMAR N		CSE			Assistant Professor	No		Yes	
		Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)	Mode of Delivery
30	G KAVITHA		Chemistry			Assistant Professor	No		Yes	
		Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)	Mode of Delivery
31	S SUBHA		CSE			Assistant Professor	No		Yes	
		Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)	Mode of Delivery
		Introduction to Machine Learning IITM - Online	Innovation	Short term Certificate	NPTEL	Govt. Agency (Central)	01-07-2019 00:00:00	31-07-2019 00:00:00	31	Online
32	Prof.Rajeshwaran		Mechanical Engineering			Professor	No		No	
33	Dr.M.Velan		Humanities and Science			Professor	No		No	
34	Dr.P.K.Nagarajan		Mechanical			Professor	No		No	
35	Dr.Sundar		Electronics and Communication			Professor	No		No	
36	Dr.V.Nagaraju		Electronics and Communication Engineering			Professor	No		No	
37	Mr.M.Ashok		Computer Science			Assistant Professor	No		No	
38	Dr.R.Ragu		Mechanical Engineering			Professor	No		No	
39	Dr.Joy Winnie Wise		Computer Science and Engineering			Professor	No		No	

Section 3 > i : List Idea/Innovation Centric Student Clubs Are Functional at the HEI with Access to Co-working Space/Work-stations for Students with Facilities & Equipment Available to promote and Support Innovation, Entrepreneurship and IPR Activities in Campus

Srno	Name of Student Club	Type of Club	Year of Establishment	Type of Facilities Available at the Club	Student Club with Access to Other I&E Facilities at the HEI	No of Programs/Activities Organized by the Student Club During the AY 2019-20	Student Club Team Lead Name	Student Club Team Lead Email	Student Club Team Lead Phone
1	YUVA	Idea Club	2019	Co-working Space	Pre-Incubation Unit	3	Arjun G	arjun.g.2018.ece@ritchennai.edu.in	9884723860
2	TECHSPAKS	Idea Club	2018	Co-working Space	Incubation Unit	5	Goushik eswar	koushikeaswar.d.2018.cse@ritchennai.edu.in	9840882347
3	WOMAN IN STEM	Idea Club	2019	Co-working Space	IPR Cell/Technology Transfer Centre	4	yuvasree lakshmi	yuvashreelakshmi.n.2017.cse@ritchennai.edu.in	9941397932
4	STEAM CLUB	Idea Club	2016	Co-working Space	Pre-Incubation Unit	8	sanjay saran s	sanjaysaran.s.2018.cse@ritchennai.edu.in	8072412362
5	MATHS CLUB	Idea Club	2017	Co-working Space	Incubation Unit	3	Venkatasriram.S	venkatasriram.s.2018.cse@ritchennai.edu.in	9841318303

6	LANGUAGE CLUB	Startup Club	2019	Co-working Space	Pre-Incubation Unit	3	Sanjana.R	sanjana.r.2017.mech@ritchennai.edu.in	8946033906
7	EDGE 3D CLUB (CAM)	Innovation Club	2018	Co-working Space,3D Printing	Pre-Incubation Unit	1	S.Rubesh	rubesh.s.2017.mech@ritchennai.edu.in	9677266986
8	ROBOTICS CLUB	Innovation Club	2018	Co-working Space,Work Stations	Pre-Incubation Unit	1	P.S.SABARISH	sabarish.p.s.2017.mech@ritchennai.edu.in	8072943446
9	Materials Research Club	Innovation Club	2018	Co-working Space	Pre-Incubation Unit	1	V.ABISHEK	abishek.v.2017.mech@ritchennai.edu.in	9444219712
10	Computer Society of India(CSI Club)	Idea Club	2015	Co-working Space	Pre-Incubation Unit	1	C.V.NITHYANARAYANAN	nithyanarayanan.c.vr.2018.eee@ritchennai.edu.in	9445511404
11	Society of Automotive Enginners	Idea Club	2017	Co-working Space	Pre-Incubation Unit	1	C.AKASH	akash.c.2017.mech@ritchennai.edu.in	8838847341
12	Institute Of Engineers Club	Idea Club	2019	Co-working Space	Pre-Incubation Unit	1	A.AJEN ROGER	ajenroger.a.2017.mech@ritchennai.edu.in	9080561466
13	IoT Club	Idea Club	2018	Co-working Space,Work Stations	Pre-Incubation Unit	2	R.Raghual	raghual.r.2017.ece@ritchennai.edu.in	6383271838
14	Photography club	Idea Club	2018	Co-working Space	Pre-Incubation Unit	2	P.Suryadatta	suryadatta.p.2019.cse@ritchennai.edu.in	8668196761

Section 3 > ii > a : List the Pre-Incubation Facility (Tinkering Lab/Makers' Space/Design Centre/New Gen IEDC/IEDC/EDC/Innovation Centre/Startup Cell) (>= 600 Sq. Ft. Floor Area)

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

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)

| 1 | CENTRE FOR INTERNET OF THINGS | Maker's Space | 2017 | Work Stations | Centre of Excellence with Advance Tools | Centre of Excellence with Advance Tools | Facility Incharge Name: Mr.Rahul Krishnan
Facility Incharge Email: rahulkrishnan@ritchennai.edu.in
Facility Incharge Phone: 8072412362 | 5 | Yes | **Yes**
Total Annual Income from Training and Skill Development Services (In Rupees): 50000
Total Annual Income from (Technical and Business) Mentoring Services (In Rupees): 8000
Total Annual Income from Office Space and Rental Services to Start-ups/Innovators (In Rupees): 96000 | Yes |

Received by	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 Institute of Technology	Educational Institute	154000

| 2 | CENTRE FOR AR/VR HOLOGRAM AND ARTIFICIAL INTELLIGENCE | Maker's Space | 2019 | Co-working Space | Incubation Unit,Innovation Labs | Incubation Unit,Innovation Labs | Facility Incharge Name: Dr.R.Lalitha
Facility Incharge Email: lalitha.r@ritchennai.edu.in
Facility Incharge Phone: 9790916536 | 14 | Yes | No | Yes |

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)

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	RIT	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)

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?
1	CENTRE FOR ADVANCED MANUFACTURING	2017	Innovation Labs	Institution Funding	Facility Incharge Name	Dr.S.K. Rajesh kanna	8	Yes	Yes		Yes
					Facility Incharge Email	rajeshkanna.s.k@ritchennai.edu.in			Total Annual Income from Training and Skill Development Services (In Rupees)	67125	
					Facility Incharge Phone	9884834301			Total Annual Income from (Technical and Business) Mentoring Services (In Rupees)	9025	
									Total Annual Income from Office Space and Rental Services to Start-ups/Innovators (In Rupees)	96000	

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	RIT	Educational Institute	1344000

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	EVE Lab	2019	Incubation Unit	Institute Funding	Facility Incharge Name	Dr.P.K. Nagarajan	6	Yes	Yes		Yes
					Facility Incharge Email	viceprincipal@ritchennai.edu.in			Total Annual Income from Training and Skill Development Services (In Rupees)	30000	
						9789815744			Total Annual Income from (Technical and Business) Mentoring Services (In Rupees)	28000	
					Facility Incharge Phone				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	RIT	Educational Institute	30000

3	CENTRE FOR MATERIAL SCIENCE AND ENGINEERING	2018	Innovation Labs		Facility Incharge Name	Dr.V.Natarajan	19	Yes	Yes		Yes
					Facility Incharge Email	natarajan.v@ritchennai.edu.in			Total Annual Income from Training and Skill Development Services (In Rupees)	12125	
						9444163183			Total Annual Income from (Technical and Business) Mentoring Services (In Rupees)	9000	
					Facility Incharge Phone				Total Annual Income from Office Space and Rental Services to Start-ups/Innovators (In Rupees)	96000	

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	RIT	Educational Institute	0

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

Srno	Name of Incubation Facility	Year of Establishment	Incubation with Access to Other I&E Facilities at the HEI	Name of the Funding Schemes Available with Incubation Unit, if any (Optional)	Facility Details	Total Nos of Dedicated Executive/Management team Strength Engaged at the Facility	Had the Incubation Facility Provided any Funding Support for Idea/Prototype/Innovation Development and implementation during the Financial Year 2019-20?	Had institute Generated Income either from Services Offered by Incubation Centre/Facilities?	Had institute spent expenses either from own resource/received fund towards Establishment/Operation of Incubation Centre/Facilities?
1	Steve Jobs Incubation Centre	2019	Pre-Incubation	Institution Funding	Facility Incharge Name: Dr.C.K amalak annan; Facility Incharge Email: startup@ritch ennai.edu.in; Facility Incharge Phone: 79046 05728	5	No	**Yes** — Total Annual Income from Training and Skill Development Services (In Rupees): 10000; Total Annual Income from (Technical and Business) Mentoring Services (In Rupees): 0; Total Annual Income from Office Space and Rental Services to Start-ups/Innovators (In Rupees): 0	No

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

Srno	Name of Innovation Park/Research Park Facility	Year of Establishment	Innovation Park / Research Park with Access to Other I & E Facilities at the HEI	Name of the Funding Schemes Available with Research/Innovation Park, if any (Optional)	Facility Details	Total Nos of Dedicated Executive/Management team Strength Engaged at the Facility	Had the Research Park/Innovation Park Provided any Funding Support for Idea/Prototype/Innovation Development and implementation during the Financial Year 2019-20?	Had institute Generated Income either from Services Offered by Research Park/Innovation Park?	Had the Research Park/Innovation Park Provided any Funding Support for Idea/Prototype/Innovation/Start up/Venture Development and implementation during the Financial Year 2019-20?

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

1	Centre for Artificial Intelligence and Data Science	2019	Centre of Excellence with Advance Tools	Institution Funding	Facility Incharge Name: Dr.Gnanasekar.A.K Facility Incharge Email: gnanasekar.ak@ritchennai.edu.in Facility Incharge Phone: 9677338977	8	No	Yes		No
								Total Annual Income from Training and Skill Development Services (In Rupees)	12500	
								Total Annual Income from (Technical and Business) Mentoring Services (In Rupees)	893319	
								Total Annual Income from Office Space and Rental Services to Start-ups/Innovators (In Rupees)	96000	

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

Srno	Name of IPR Cell/Technology Transfer Centre Facility	Year of Establishment	IPR Cell/Technology Transfer Centre with Access to Other I&E Facilities at the HEI	Name of the Funding Schemes Available with IPR Cell/Technology Transfer Centre, if any (Optional)	Facility Details	Total Nos of Dedicated Executive/Management team Strength Engaged at the Facility	Had the IPR Cell/Technology Transfer Centre Provided any Funding Support for Idea/Prototype/Innovation Development and implementation during the Financial Year 2019-20?	Had institute Generated Income either from Services Offered by IPR Cell/Technology Transfer Centre?	Had the IPR Cell/Technology Transfer Centre Provided any Funding Support for Idea/Prototype/Innovation/Start up/Venture Development and implementation during the Financial Year 2019-20?
1	RIT - IPR Cell	2019	Innovation Labs	Institution Funding	Facility Incharge Name: Mr.Saikrishnan.G Facility Incharge Email: saikrishnan.g@ritchennai.edu.in Facility Incharge Phone: 9710234579	3	No	No	No

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

Srno	Name of the Faculty	Designation of the Faculty	Mentor Expert Area	Years of Experience in Mentorship (In Years)
1	Dr.Kamalakannan	Professor	Entrepreneurship/Startup Development	14

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

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

2	Dr.P.K.Nagarajan	Professor	Entrepreneurship/Startup Development	17
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	Parabolic Solar dish collector		Within	
3	Mr.M.Ashok	Assistant Professor	IPR Protection & Commercialization	12
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	Block Chain based Rice ATM		Within	
4	Dr.M.Velan	Professor	Idea/Innovation Development	34
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	A novel laccase producing Brevundimonas sp. MVSP from paper and pulp industry waste water		Outside	
5	Dr.V.Nagaraju	Professor	Idea/Innovation Development	15
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	Sensor Based IoT monitoring		Outside	
6	Prof.Rajeshwaran	Professor	Idea/Innovation Development	25
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	Computer aided manufacturing for special tools		Within	
7	Dr.M.K.Balaji	Professor	Idea/Innovation Development	19
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	Numerical Simulation		Within	
8	Dr.Sundar	Professor	Idea/Innovation Development	26
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	-		Within	
9	Dr.R.Ragu	Professor	Idea/Innovation Development	20
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	Electric Vehicle		Within	
10	Dr.Joy Winnie Wise	Professor	Idea/Innovation Development	20

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

Name of Idea/Innovation/ Startup Mentored	Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
An efficient fault management in communication network using active risk modeling algorithm	Within	

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

Srno	Name of the External Expert/Agency as Mentor	Mentor Expert Area		Type of Mentorship
1	Dr.N.Hema	Entrepreneurship/Startup Development		Structured Mentorship

Structured Mentorship Program Name	Start Date	End Date	Total No of Days of Mentorship Program	No of Mentors Involved	Mentorship Cohort Size (No. of Mentee)	Type of Mentee
Entrepreneurship Awarness	30-01-2020	01-02-2020	3	1	5	Innovation/Prototype

Srno	Name of the External Expert/Agency as Mentor	Mentor Expert Area		Type of Mentorship
2	Mr.Saravana Raja	IPR Protection & Commercialization		Unstructured Mentorship
3	Dr.T.Thandapani	Idea/Innovation Development		Unstructured Mentorship
4	Mr.K.Srinivas	Entrepreneurship/Startup Development		Structured Mentorship

Structured Mentorship Program Name	Start Date	End Date	Total No of Days of Mentorship Program	No of Mentors Involved	Mentorship Cohort Size (No. of Mentee)	Type of Mentee
Entrepreneurship Awareness	30-01-2020	01-02-2020	3	2	6	Idea

Srno	Name of the External Expert/Agency as Mentor	Mentor Expert Area		Type of Mentorship
5	Mr. Prakash Chandra,	Entrepreneurship/Startup Development		Structured Mentorship

Structured Mentorship Program Name	Start Date	End Date	Total No of Days of Mentorship Program	No of Mentors Involved	Mentorship Cohort Size (No. of Mentee)	Type of Mentee
Entrepreneurship Awarness	30-01-2020	01-02-2020	3	1	5	Idea

Srno	Name of the External Expert/Agency as Mentor	Mentor Expert Area		Type of Mentorship
6	Dr.Sankararaman	Idea/Innovation Development		Structured Mentorship

Structured Mentorship Program Name	Start Date	End Date	Total No of Days of Mentorship Program	No of Mentors Involved	Mentorship Cohort Size (No. of Mentee)	Type of Mentee
Entrepreneurship Awarness	31-01-2020	03-02-2020	4	2	5	Early Stage Startup

Srno	Name of the External Expert/Agency as Mentor	Mentor Expert Area		Type of Mentorship
7	Dr. Thomas	Entrepreneurship/Startup Development		Structured Mentorship

Structured Mentorship Program Name	Start Date	End Date	Total No of Days of Mentorship Program	No of Mentors Involved	Mentorship Cohort Size (No. of Mentee)	Type of Mentee
Entrepreneurship Development	30-01-2020	01-02-2020	3	2	10	Idea

Srno	Name of the External Expert/Agency as Mentor	Mentor Expert Area		Type of Mentorship
8	Mr.C.K.Mohan	Entrepreneurship/Startup Development		Structured Mentorship

Structured Mentorship Program Name	Start Date	End Date	Total No of Days of Mentorship Program	No of Mentors Involved	Mentorship Cohort Size (No. of Mentee)	Type of Mentee
Entrepreneurship Awarness	30-01-2020	02-02-2020	4	1	5	Innovation/Prototype

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

9	Mr.Nargunam		Entrepreneurship/Startup Development			Structured Mentorship	
	Structured Mentorship Program Name	Start Date	End Date	Total No of Days of Mentorship Program	No of Mentors Involved	Mentorship Cohort Size (No. of Mentee)	Type of Mentee
	Entrepreneurship Awarness	30-01-2020	01-02-2020	3	1	8	Innovation/Prototype
10	Dr. Dindayal Swain		Entrepreneurship/Startup Development			Unstructured Mentorship	
11	Dr. Kunal Kanti Ghosh		Entrepreneurship/Startup Development			Unstructured Mentorship	
12	Dr. Srikanth Parthasarathy		Entrepreneurship/Startup Development			Unstructured Mentorship	

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

Srno	Name of the Innovation Generated with the Support of HEI	Type of Innovation	Nature of Innovation	Name of the HEI Supported Innovation Development	Innovation Developed by	Stage of Innovation/ Stage of TRL it started receiving the Support during the FY 2019-20	Stage of Innovation/ Stage of TRL reached as on 31st March 2020	Status Pre-Incubation/Incubation Support to Innovation as on 31st March 2020	Had the Innovation Received any Recognition at State, National, International Level Programs during the financial period 2019-20	Had the Innovation Converted into Venture/ Startup/ SME Unit during the financial period 2019-20	Had Centre/institute provided any Financial support (either own resource or fund received from agencies) in terms of Seed Grant/Fund Support to Idea / Prototype / Innovations Development during the financial period 2019-20	Had the Innovations raised any Seed fund/Angel Investment/VC during the period of receiving pre-incubation/incubation support at your Pre-incubation/incubation or HEI during the financial period 2019-20	Had the Pre-incubation/Incubation Centre/HEI received any income/revenue from Idea/Prototype/Innovations for the pre-incubation/incubation support and the services offered by Pre-incubation/incubation or institute during the financial period 2019
1	Design and implementation of E-rickshaw	Product Innovation	Technological	EVE Lab	Student-Faculty	TRL 0 : Idea. Unproven concept, no testing has been performed.	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	Innovation Development Ongoing	No	No	No	No	No

Name	Type	Gender	Email	Contact
Mr.B.Manimaran	Faculty	Male	manimaran.b@ritchennai.edu.in	9840980913

2	A soft switched Bi-directional DC-DC converter for a BLDC motor based EV	Product Innovation	Technological	EVE Lab	Student	TRL 0 : Idea. Unproven concept, no testing has been performed.	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	Innovation Development Ongoing	No	No	No	No	No

Name	Type	Gender	Email	Contact
Dr.K.Sundararaman	Faculty	Male	sundararaman.k@ritchennai.edu.in	9789902575

3	Solutions to overcome the performance attenuation of a solar panel due to shadowing	Process Innovation	Technological	EVE Lab	Student	TRL 0 : Idea. Unproven concept, no testing has been performed.	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	Innovation Development Ongoing	No	No	No	No	No

Name	Type	Gender	Email	Contact
Ms.A.Sowmiya	Faculty	Female	sowmiya.a@ritchennai.edu.in	7305557879

4	Design and implementation of Vienna rectifier for EV charger	Product Innovation	Technological	EVE Lab	Student	TRL 0 : Idea. Unproven concept, no testing has been performed.	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	Innovation Development Ongoing	No	No	No	No	No

	Name				Type			Gender				Email	Contact
	Mr.B.Manimaran				Faculty			Male				manimaran.b@ritchennai.edu.in	9840980913

5	Grid connected Solar PV system	Product Innovation	Technological	EVE Lab	Student	TRL 0 : Idea. Unproven concept, no testing has been performed.	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	Innovation Development Ongoing	No	No	No	No	No

	Name				Type			Gender				Email	Contact
	Dr.R.Elavarasu				Faculty			Male				elavarasu.r@ritchennai.edu.in	9514533370

6	Variable speed micro wind energy generator	Product Innovation	Technological	EVE Lab	Student	TRL 0 : Idea. Unproven concept, no testing has been performed.	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	Innovation Development Completed	No	No	No	No	No

	Name				Type			Gender				Email	Contact
	Dr.R.Elavarasu				Faculty			Male				elavarasu.r@ritchennai.edu.in	9514533370

7	Maximum energy harvesting from a low cost hybrid wind pv system	Product Innovation	Technol ogical	EVE Lab	Stude nt	TRL 0 : Idea. Unpr oven conc ept, no testin g has been perfor med.	TRL 1 : Basic resea rch. Princi ples postu lated and obser ved but no exper iment al proof availa ble.	Innovati on Develop ment Complet ed	No	No	No	No	No

Name		Type		Gender		Email		Contact
Ms.M.Monica		Faculty		Female		monicam@ritchennai.edu.in		8838333541

8	Health monitoring of UPS batteries	Product Innovation	Technol ogical	EVE Lab	Stude nt	TRL 0 : Idea. Unpr oven conc ept, no testin g has been perfor med.	TRL 1 : Basic resea rch. Princi ples postu lated and obser ved but no exper iment al proof availa ble.	Innovati on Develop ment Complet ed	No	No	No	No	No

Name		Type		Gender		Email		Contact
Dr.K.Sundararaman		Faculty		Male		sundararaman.k@ritchennai.edu.in		9789902575

9	IoT based attendance monitoring system	Product Innovation	Technol ogical	Centre for Internet of Things	Stude nt	TRL 0 : Idea. Unpr oven conc ept, no testin g has been perfor med.	TRL 1 : Basic resea rch. Princi ples postu lated and obser ved but no exper iment al proof availa ble.	Innovati on Develop ment Complet ed	No	No	No	No	No

Name									Type	Gender		Email		Contact
Mr.S.Satishkumar									Faculty	Male		sathishkumar.s@ritchennai.edu.in		9042327052

10	Solar powered DC air cooler	Product Innovation	Technological	EVE Lab	Student	TRL 0 : Idea. Unproven concept, no testing has been performed.	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	Innovation Development Completed	No		No	No	No	No

Name									Type	Gender		Email		Contact
Ms.A.Sowmiya									Faculty	Female		sowmiya.a@ritchennai.edu.in		7305557879

11	Autonomous Multicopter Equipped with robotic arm for lifting payload	Product Innovation	Technological	Centre for Internet of Things	Student	TRL 0 : Idea. Unproven concept, no testing has been performed.	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	Innovation Development Completed	No		No	No	No	No

Name									Type	Gender		Email		Contact
Mr.L.Franklin Telfer									Faculty	Male		franklintelfer@ritchennai.edu.in		8610989776

| 12 | classification and recognition of Arrhythmia using ECG morphology | Process Innovation | Technological | Centre for Internet of Things | Student | TRL 0 : Idea. Unproven concept, no testing has been performed. | TRL 1 : Basic research. Principles postulated and observed but no experimental proof available. | Innovation Development Completed | No | No | No | No | No |

Name	Type	Gender	Email	Contact
Mr.K.Senthil Kumar	Faculty	Male	senthilkumar.k@ritchennai.edu.in	9842549258

| 13 | IoT based automatic Irrigation system on Green house | Product Innovation | Technological | Centre for Internet of Things | Student | TRL 0 : Idea. Unproven concept, no testing has been performed. | TRL 1 : Basic research. Principles postulated and observed but no experimental proof available. | Innovation Development Completed | No | No | No | No | No |

Name	Type	Gender	Email	Contact
Ms.A.Vanathi	Faculty	Female	vanathi.a@ritchennai.edu.in	9444627953

| 14 | Delay and Area Optimization of 16 Bit MAC Units using Vedic Mathematics | Process Innovation | Technological | Maths Lab | Student | TRL 0 : Idea. Unproven concept, no testing has been performed. | TRL 1 : Basic research. Principles postulated and observed but no experimental proof available. | Innovation Development Completed | No | No | No | No | No |

Name								Type			Gender			Email	Contact
Ms.Aruna Jayashree								Faculty			Female			arunajayashree.r@ritchennai.edu.in	8870968098

| 15 | Enhancer for Ovarian Cyst Sementation using adaptive thresholding technique | Process Innovation | Technol ogical | Centre for Artificial Intellige nce and Data Science | Stude nt | TRL 0 : Idea. Unpr oven conc ept, no testin g has been perfor med. | TRL 1 : Basic resea rch. Princi ples postu lated and obser ved but no exper iment al proof availa ble. | Innovati on Develop ment Complet ed | No | | No | No | | No | No |

Name								Type			Gender			Email	Contact
Ms.sheela								Faculty			Female			sheela.s@ritchennai.edu.in	9710939093

| 16 | Design of Microstrip Patch Antenna for Breast Cancer Detection Using SAR Analysis | Product Innovation | Technol ogical | Centre for Internet of Things | Stude nt | TRL 0 : Idea. Unpr oven conc ept, no testin g has been perfor med. | TRL 1 : Basic resea rch. Princi ples postu lated and obser ved but no exper iment al proof availa ble. | Innovati on Develop ment Complet ed | No | | No | No | | No | No |

Name								Type			Gender			Email	Contact
Mr.Rahul Krishnan								Faculty			Male			rahulkrishnan@ritchennai.edu.in	8072412362

17	HAND GESTURE RECOGNITION SYSTEM FOR DEAF AND DUMB USING CNN TECHNIQUE	Process Innovation	Technological	Centre for Artificial Intelligence and Data Science	Student	TRL 0 : Idea. Unproven concept, no testing has been performed.	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	Innovation Development Completed	No	No	No	No	No

Name	Type	Gender	Email	Contact
Dr. Nagaraj	Faculty	Male	hod.ece@ritchennai.edu.in	9840873669

18	Data balanced routing using ACO	Process Innovation	Technological	Centre for Artificial Intelligence and Data Science	Student	TRL 0 : Idea. Unproven concept, no testing has been performed.	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	Innovation Development Completed	No	No	No	No	No

Name	Type	Gender	Email	Contact
Dr.S.Manjula	Faculty	Female	manjula.s@ritchennai.edu.in	9943317356

19	Unmanned vehicle controlled by IOT	Process Innovation	Technological	Centre for Internet of Things	Student	TRL 0 : Idea. Unproven concept, no testing has been performed.	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	Innovation Development Completed	No	No	No	No	No

	Name									Type		Gender	Email	Contact
	Mr.S.Vivek								Faculty			Male	vivek.s@ritchennai.edu.in	9943933539

| 20 | Design and Development of Solar Powered E-Vehicle with Auto Intelligent Rotation Panel | Product Innovation | Technol ogical | EVE Lab | Stude nt | TRL 0 : Idea. Unpr oven conc ept, no testin g has been perfor med. | TRL 1 : Basic resea rch. Princi ples postu lated and obser ved but no exper iment al proof availa ble. | Innovati on Develop ment Complet ed | No | | No | No | No | No |

	Name			Type			Gender		Email		Contact
	Mr.N.Lingaraj			Faculty			Male		lingaraj.n@ritchennai.edu.in		9976704161

| 21 | Performance Enhancement of Gasoline Engine using Hydroxy Gas | Process Innovation | Technol ogical | Centre for Advanc ed Manufa cturing | Stude nt | TRL 0 : Idea. Unpr oven conc ept, no testin g has been perfor med. | TRL 1 : Basic resea rch. Princi ples postu lated and obser ved but no exper iment al proof availa ble. | Innovati on Develop ment Complet ed | No | | No | No | No | No |

	Name			Type			Gender		Email		Contact
	Dr. P. K. Nagarajan			Faculty			Male		viceprincipal@ritchennai.edu.in		9789815744

22	Performance Analysis of Regenerative Braking in Electric Bike	Product Innovation	Technol ogical	Centre for Advanc ed Manufa cturing	Stude nt	TRL 0 : Idea. Unpr oven conc ept, no testin g has been perfor med.	TRL 1 : Basic resea rch. Princi ples postu lated and obser ved but no exper iment al proof availa ble.	Innovati on Develop ment Complet ed	No	No	No	No	No

Name	Type	Gender	Email	Contact
Mr.S.Vivek	Faculty	Male	vivek.s@ritchennai.edu.in	9943933539

23	Catalytic Degradation on Single Used Plastics as Liquid Fuel for IC Engines	Process Innovation	Technol ogical	Centre for Advanc ed Manufa cturing	Stude nt	TRL 0 : Idea. Unpr oven conc ept, no testin g has been perfor med.	TRL 1 : Basic resea rch. Princi ples postu lated and obser ved but no exper iment al proof availa ble.	Innovati on Develop ment Complet ed	No	No	No	No	No

Name	Type	Gender	Email	Contact
Mr.A.AbdulMunaf	Faculty	Male	abdulmunaf.a@ritchennai.edu.in	9791562266

24	Design and development of E-vehicle	Product Innovation	Technol ogical	EVE Lab	Stude nt	TRL 0 : Idea. Unpr oven conc ept, no testin g has been perfor med.	TRL 1 : Basic resea rch. Princi ples postu lated and obser ved but no exper iment al proof availa ble.	Innovati on Develop ment Complet ed	No	No	No	No	No

	Name			Type			Gender			Email		Contact
	Dr. S. K. Rajesh kanna			Faculty			Male			rajeshkanna.s.k@ritchennai.edu.in		9884834301

	Name											Type	Gender	Email	Contact
25	Investigation on the Phsical, Mechanical and Tribological Properties of the Semi Metallic Brake Pads for Automobile	Process Innovation	Technol ogical	Centre for Advanc ed Manufa cturing	Stude nt	TRL 0 : Idea. Unpr oven conc ept, no testin g has been perfor med.	TRL 1 : Basic resea rch. Princi ples postu lated and obser ved but no exper iment al proof availa ble.	Innovati on Develop ment Complet ed	No	No	No	No	No

	Name			Type			Gender			Email		Contact
	Mr.G.Saikrishnan			Faculty			Male			saikrishnan.g@ritchennai.edu.in		9710234579

	Name											Type	Gender	Email	Contact
26	DEVELOPMENT OF A DISASTER RECOVERY OF MANAGEMENT PLATFORM	Process Innovation	Technol ogical	Centre for Artificial Intellige nce and Data Science	Stude nt	TRL 0 : Idea. Unpr oven conc ept, no testin g has been perfor med.	TRL 1 : Basic resea rch. Princi ples postu lated and obser ved but no exper iment al proof availa ble.	Innovati on Develop ment Complet ed	No	No	No	No	No

	Name			Type			Gender			Email		Contact
	Ms. Subha.S			Faculty			Female			subha.s@ritchennai.edu.in		9941397932

27	Design And Development Of Solar Powered E-Vehicle With Auto Intelligent Rotating Panel	Product Innovation	Technological		Faculty	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	TRL 3 : Applied research. First laboratory tests completed; proof of concept.	Innovation Development Ongoing	Agency Name	INSTITUTE OF ENGINEERS	No	Grant Amount in Rs	30000	Loan/Investment Agency Name	IE	Amount Received in Rs.	30000
									Agency Type	Govt. Agency (Central)				Agency Type	Govt. Agency (Central)		
														Total Loan/Angel Investment/VC Fund raised by Start-up during the period of pre-incubation/incubation support at your Pre-incubation/incubation or institute financial period 2019-20 (in Rupees)	30000		
									Award / Position / Recognition Secured	GRANT RECEIVED				Date of Investment Raised	03-01-2020		

Name	Type	Gender	Email	Contact
Dr.S.K.Rajesh Kanna	Faculty	Male	rajeshkanna.s.k@ritchennai.edu.in	9884834301

28	Modernization of computer aided manufacturing laboratory by retrofit and up gradation of process machinery	Product Innovation	Technological		Faculty	TRL 0 : Idea. Unproven concept, no testing has been performed.	TRL 3 : Applied research. First laboratory tests completed; proof of concept.	Innovation Development Ongoing	Agency Name	All India Council for Technical Education(AICTE)	No	Grant Amount in Rs	1344000	Loan/Investment Agency Name	AICTE	Amount Received in Rs.	1344000
									Agency Type	Govt. Agency (Central)				Agency Type	Govt. Agency (Central)		
														Total Loan/Angel Investment/VC Fund raised by Start-up during the period of pre-incubation/incubation support at your Pre-incubation/incubation or institute financial period 2019-20 (in Rupees)	1344000		
									Award / Position / Recognition Secured	GRANT RECEIVED				Date of Investment Raised	04-12-2019		

Name	Type	Gender	Email	Contact
Dr.S.K.Rajesh Kanna	Faculty	Male	rajeshkanna.s.k@ritchennai.edu.in	9884834301

29	Bio inspired antenna for pulmonary activity monitoring	Product Innovation	Technol ogical		Facul ty	TRL 0 : Idea. Unpr oven conc ept, no testin g has been perfor med.	TRL 3 : Appli ed resea rch. First labor atory tests comp leted; proof of conc ept.	Innovati on Develop ment Complet ed	Agen cy Nam e	Ta miln adu Stat e Coun cil for Scie nce and Tec hnol ogy	No	Grant Amount in Rs	4000	Loan/Investment Agency Name	TNSCST	Amount Received in Rs.	4000
									Agen cy Type	Gov t. Age ncy (Sta te)				Agency Type	Govt. Agency (State)		
														Total Loan/Angel Investment/VC Fund raised by Start-up during the period of pre-incubation/incubati on support at your Pre-incubation/incubati on or institute financial period 2019-20 (in Rupees)	4000		
									Awar d / Positi on / Reco gnitio n Secu red	GR AN T				Date of Investment Raised	18-03-20 20		

Name	Type	Gender	Email	Contact
Mr.Rahul Krishnan	Faculty	Male	rahulkrishnan@ritchennai.edu.in	8072412362

30	Modernization of advanced programming lab with Artificial Intelligence and Virtual Reality (MODROB)	Product Innovation	Technol ogical		Facul ty	TRL 0 : Idea. Unpr oven conc ept, no testin g has been perfor med.	TRL 2 : Tech nolog y formu lation . Conc ept and applic ation have been formu lated.	Innovati on Develop ment Ongoing	Agen cy Nam e	All Indi a Cou ncil for Tec hnic al Edu cati on(AIC TE)	No	Grant Amount in Rs	869510	Loan/Investment Agency Name	AICTE	Amount Received in Rs.	869510
									Agen cy Type	Gov t. Age ncy (Ce ntral)				Agency Type	Govt. Agency (Central)		
														Total Loan/Angel Investment/VC Fund raised by Start-up during the period of pre-incubation/incubati on support at your Pre-incubation/incubati on or institute financial period 2019-20 (in Rupees)	869510		
									Awar d / Positi on / Reco gnitio n Secu red	GR AN T RE CEI VE D				Date of Investment Raised	01-04-20 19		

Name				Type				Gender		Email		Contact	
Dr. R. Lalitha				Faculty				Female		lalitha.r@ritchennai.edu.in		9790916536	

31	Full stack development	Product Innovation	Technological		Faculty	TRL 0 : Idea. Unproven concept, no testing has been performed.	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	Innovation Development Ongoing	Agency Name	V DESIGN	No	Grant Amount in Rs	7000	Loan/Investment Agency Name	V-Design	Amount Received in Rs.	7000
									Agency Type	Govt. Agency (Central)				Agency Type	Non-Govt. Agencies		
									Award / Position / Recognition Secured	GRANT RECEIVED				Total Loan/Angel Investment/VC Fund raised by Start-up during the period of pre-incubation/incubation support at your Pre-incubation/incubation or institute financial period 2019-20 (in Rupees)	7000		
														Date of Investment Raised	12-04-2019		

Name				Type				Gender		Email		Contact	
Dr.R.Lalitha				Faculty				Female		lalitha.r@ritchennai.edu.in		9790916536	

32	System Modification for 8 Holes System	Product Innovation	Technological		Faculty	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	TRL 3 : Applied research. First laboratory tests completed; proof of concept.	Innovation Development Ongoing	Agency Name	Super Auto Forge	No	Grant Amount in Rs	295000	Loan/Investment Agency Name	Super Auto Forge	Amount Received in Rs.	295000
									Agency Type	Not-Govt. Agencies				Agency Type	Non-Govt. Agencies		
									Award / Position / Recognition Secured	Grant Received				Total Loan/Angel Investment/VC Fund raised by Start-up during the period of pre-incubation/incubation support at your Pre-incubation/incubation or institute financial period 2019-20 (in Rupees)	295000		
														Date of Investment Raised	04-04-2019		

Name				Type				Gender		Email		Contact	
Mr.K.Senthilkumar				Faculty				Male		senthilkumar.tk@ritchennai.edu.in		9791499870	

#	Name	Type	Category		Stage	TRL Start	TRL Current	Status	Agency Name	Agency Type	Award/Position/Recognition Secured	Approval	Grant Amount in Rs	Loan/Investment Agency Name	Agency Type	Total Loan/Angel Investment/VC Fund... 2019-20 (in Rupees)	Date of Investment Raised	Amount Received in Rs.
33	Machine Vision Systems for A20 Stayrod	Product Innovation	Technological		Student-Faculty	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	TRL 3 : Applied research. First laboratory tests completed; proof of concept.	Innovation Development Ongoing	Harita Fehrer Limited	Not-Govt. Agencies	Grants Received	No	598319	Harita Fehrer Limited / Non-Govt. Agencies		598319	15-04-2019	598319

Name	Type	Gender	Email	Contact
Dr.R.Rajeshwari	Faculty	Female	r.rajeswari@ritchennai.edu.in	9710449933

#	Name	Type	Category		Stage	TRL Start	TRL Current	Status	Agency Name	Agency Type	Award/Position/Recognition Secured	Approval	Grant Amount in Rs	Loan/Investment Agency Name	Agency Type	Total Loan/Angel Investment/VC Fund... 2019-20 (in Rupees)	Date of Investment Raised	Amount Received in Rs.
34	MachineVision system - Maintanence	Product Innovation	Technological		Student-Faculty	TRL 0 : Idea. Unproven concept, no testing has been performed.	TRL 3 : Applied research. First laboratory tests completed; proof of concept.	Innovation Development Ongoing	Super Auto Forge	Not-Govt. Agencies	Grant Received	Yes	191160	Super Auto Forge / Non-Govt. Agencies		191160	02-04-2019	191160

Name	Type	Gender	Email	Contact
Dr.G.Nirmala Priya	Faculty	Female	nirmalapriya.g@ritchennai.edu.in	9025469644

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

Srno	Name of the Venture/Startup/SME Unit Established with the Support of HEI	Type of Innovation of Venture/Startup/SME Unit	Nature of Innovation	Name of the Pre-Incubation/Incubation Unit of HEI Supported Innovation Development	Venture Founded by	Venture Registerd as		Year of Registration	What is the current status of Pre-Incubation/Incubation Support to Venture/ Startup/ SME Unit as on 31st March 2020?	Had the Venture Received any Recognition at State, National, International Level Programs during the financial period 2019-20?	Had Centre/institute provided any Financial support (either own resource or fund received from agencies) in terms of Seed Grant/Fund Support to Venture establishment during the financial period 2019-20	Had the venture/startup raised any Seed fund/Angel Investment/VC during the period of receiving pre-incubation/incubation support at your Pre-incubation/incubation or HEI during the financial period 2019-20	Had the Pre-incubation/Incubation Centre/HEI received any income/revenue from venture/startup for the pre-incubation/incubation support and the services offered by Pre-incubation/incubation or institute during the financial period 2019-20		Has the Start-up Grown to a stage of Employment Generation to 10 Numbers or an annual Turnover to Rs. 50 Lakhs during the financial year 2019-20
1	DARNISS INTERNET PRIVATE LIMITED	Product Innovation	Technological	4803	Student	Venture with Corporate Identification Number (CIN) Registration	U72900TN2020PTC139704	2019-20	Graduated from the Incubation unit	No	No	No	Amount Received in Rs.	96000	No

Name	DIN number	Type	Gender	Email	Contact
DARNISS	08973156	Student	Male	darniss@sensber.com	7904651424

| 2 | BURA KONNECT PRIVATE LIMITED | Product Innovation,Service Innovation | Techno logical | 964 | Exter nal to the Instit ute/I ncub atee | Venture with Corporate Identification Number (CIN) Registration | U74999TN2018PTC122297 | 2018 -19 | Received Incubation Support from Incubation Unit | No | No | No | Amount Received in Rs. | 9600 | No |

Name	DIN number	Type	Gender	Email	Contact
BHUVANRAJ NANDAGOPAL	08116860	Innovator/Entrepreneur External to Institute	Male	bhuvan.bhuvanraj@gmail.com	9003124399

| 3 | LATERN INNOVATIVE ENGINEERING PRIVATE LIMITED | Product Innovation | Techno logical | 963 | Exter nal to the Instit ute/I ncub atee | Venture with Corporate Identification Number (CIN) Registration | U74999TN2014PTC097842 | 2014 -15 | Received Incubation Support from Incubation Unit | No | No | No | Amount Received in Rs. | 9600 | No |

Name	DIN number	Type	Gender	Email	Contact
KAARTHIK	06975588	Innovator/Entrepreneur External to Institute	Male	ckaarthik@gmail.com	9962779257

| 4 | QUELIT INNOVATIONS PRIVATE LIMITED | Product Innovation | Techno logical | 964 | Exter nal to the Instit ute/I ncub atee | Venture with Corporate Identification Number (CIN) Registration | U74999TN2016PTC113059 | 2016 -17 | Received Incubation Support from Incubation Unit | No | No | No | Amount Received in Rs. | 9600 | No |

Name	DIN number	Type	Gender	Email	Contact
KATHIRMANI SUKUMAR	07635288	Innovator/Entrepreneur External to Institute	Male	kathir.sukumar@gmail.com	9701344400

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

Srno	Collaborated Agency Name	Collaborated Agency Type	Purpose of Collaboration	Type of Support Offered	No. of Student Projects/ Ideas / Innovation / Startups from the HEI get benefitted through this partnership	Date of MOU / Agreement Signed on
1	Sharepoint	Non-Govt. Agencies	Providing (or) Receiving Incubation/Pre-Incubation Support Services to Innovators/Startups	Mentoring	25	03-02-2020
2	microne industries	Non-Govt. Agencies	Providing (or) Receiving Mentor and Handholding Support to Support I&E Activities	Mentoring	50	03-12-2019
3	JBM auto system pvt ltd	Corporate / Industry Association	Providing (or) Receiving Mentor and Handholding Support to Support I&E Activities	Mentoring	50	03-09-2019
4	Globe engineering	Corporate / Industry Association	Providing (or) Receiving Mentor and Handholding Support to Support I&E Activities	Mentoring	70	03-02-2020
5	Ford india private ltd	Corporate / Industry Association	Collaboration with Startups/Industry Associations/Knowledge Agencies to Promote I&E Activities and/or Internship Opportunities	Incubation	120	15-02-2020
6	Quelit	Non-Govt. Agencies	Providing (or) Receiving Incubation/Pre-Incubation Support Services to Innovators/Startups	Mentoring	45	28-07-2020
7	YI-YUVA	Non-Govt. Agencies	Providing (or) Receiving Incubation/Pre-Incubation Support Services to Innovators/Startups	Mentoring	125	03-07-2019
8	MSME	Govt. Agency (Central)	Providing (or) Receiving Incubation/Pre-Incubation Support Services to Innovators/Startups	Networking	150	08-02-2020

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

No Data Flled!

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

Srno	Title/Name of Patent	IP Registration Number	Date of Filed/Published (Year, Month)	Application Level	Copy of receipt / application screenshot [PDF or Image]
1	The Remote Health Monitoring System with Wireless Sensor and IOT through Multivariate Medical Data Modeling Algorithm	201941044768	National	2019 - 11	Uploaded
2	Perfume bottle with biometric sensors	325593-001	National	2019 - 12	Uploaded
3	PROGRAMMING THE SUPPLY CHAIN NETWORK FOR CUSTOMERS WITH UNCERTAIN DEMAND	202041001195	National	2020 - 01	Uploaded
4	Artificial intelligence enabled BOT for railway track cleaning	202041007777	National	2020 - 03	Uploaded
5	HUMAN TOUCH SENSOR BASED HOME THEFT TAMPERING SYSTEM	202041009389	National	2020 - 03	Uploaded
6	An Aerosol solgel Generating System and aSpecifically Designed Nozzle	202041011548	National	2020 - 03	Uploaded