



ARIIA

ATAL RANKING OF INSTITUTIONS ON INNOVATION ACHIEVEMENTS



MoE
Ministry of Education
Government of India

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

Institute Name: SYED AMMAL ENGINEERING COLLEGE [ARI-C-26807]

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

Department / Center / Unit Name	Type of Department / Center / Unit	Mention the Stream / Discipline / Sector of focus	Department / Center / Unit Level	Program Type	Student / Beneficiary Strength (2019-20)	Academic Staff Strength (2019-20)	Non-academic Staff Strength (2019-20)
Electrical and Electronics Engineering	Academic Department with lab facility	Electrical and Electronics Engineering	UG / PG / PhD	Technical	124	12	3
Electronics and Communication Engineering	Academic Department with lab facility	Electronics and Communication Engineering	UG / PG / PhD	Technical	213	13	8
Computer Science and Engineering	Academic Department with lab facility	Computer Science and Engineering	UG / PG / PhD	Technical	211	12	5
Civil Engineering	Academic Department with lab facility	Civil Engineering	UG / PG / PhD	Technical	132	9	2
Master of Business Administration	Academic Department with lab facility	MBA	UG / PG / PhD	Non-Technical	43	6	1
Science and Humanities	Academic Department with lab facility	All first year (EEE, ECE, Mech, CSE and Civil)	UG / PG / PhD	Technical	134	15	2
Mechanical Engineering	Academic Department with lab facility	Mechanical Engineering	UG / PG / PhD	Technical	237	20	5
Syed Ammal Engineering College	Research Unit / Park	EEE, ECE, Mech and CSE	UG / PG / PhD	Technical	785	57	21
Syed Ammal Engineering College	Incubation Unit	All Departments	UG / PG / PhD	Technical	960	87	26
Syed Ammal Engineering College	Pre-incubation unit	All Departments	UG / PG / PhD	Technical	960	87	26
Syed Ammal Engineering College (Placement and Training Cell)	Industry Institute Interface Unit	All Departments	UG / PG / PhD	Technical	960	87	26
Syed Ammal Engineering College (IPR Cell)	IPR Cell / Patent Facilitation Unit / Technology Transfer Centre	All Departments	UG / PG / PhD	Technical	960	87	26
Syed Ammal Engineering College	Centre of Excellence with Advance Tools & Equipment	EEE, ECE, Mech, CSE and Civil	UG / PG / PhD	Technical	917	81	25

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

Programs/Initiatives	Status	Registration ID
Adopted National Innovation and Start-up Policy at the HEI	Yes	Not Required

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

Establishment of Institution's Innovation Council (IIC) at HEI	Yes	IIC Registration ID : 2516
Trained Innovation Ambassadors at HEI	Yes	Not Required
Participation in Smart India Hackathon (SIH)	Yes	Not Required
Facilitated listing start-ups/ technologies in Young India combating COVID with Knowledge, Technology and Innovation (YUKTI 2.0) portal of MIC	Yes	Not Required
Participation in National Education Alliance of Technology (NEAT)	Yes	Not Required

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?	
																Award / Position / Recognition Secured	Centre for Excellence
1	Six Days AICTE sponsored STTP on Soft Computing Techniques in Engineering Applications	Innovation	Seminar	Institute Lead Activity	Electronics and Communication Engineering	20-07-2019 00:00:00	25-07-2019 00:00:00	6	Within Campus	44	21	20	6	91	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) 186000	Award / Position / Recognition Secured	Centre for Excellence
2	Experience Sharing	Entrepreneurship/Startup	Seminar	Institute Lead Activity	Management Studies	20-09-2019 00:00:00	20-09-2019 00:00:00	1	Within Campus	44	6	22	4	76	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) 5000	No	
3	Opportunities of Women Entrepreneurs	Entrepreneurship/Startup	Seminar	Institute Lead Activity	Management Studies	27-09-2019 00:00:00	27-09-2019 00:00:00	1	Within Campus	44	6	20	6	76	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) 6000	No	

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

4	AICTE sponsored Two Weeks Faculty Development Programme on 'Verification & Testing of VLSI Circuits using EDA Tools' (VTEC'19)	Innovation	Seminar	Institute Lead Activity	Electronics and Communication Engineering	01-11-2019 00:00:00	14-11-2019 00:00:00	14	Within Campus	44	21	22	4	91	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	486000	No
5	Short Term Training Programme on Newer Materials - Challenges and Optimization Techniques for Engineering Applications	Innovation	Workshop	Institute Lead Activity	Mechanical	04-11-2019 00:00:00	09-11-2019 00:00:00	6	Within Campus	0	8	0	32	40	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	200000	No
6	Faculty orientation program on soft skills and understanding the psychology of current generation students	Innovation	Seminar	Institute Lead Activity	EEE	09-12-2019 00:00:00	09-12-2019 00:00:00	1	Within Campus	0	69	0	0	69	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	5000	No
7	International Conference on Nanotechnology: Ideas, Innovation and Initiatives	Innovation	Conference	Institute Lead Activity	MECHANICAL	12-12-2019 00:00:00	14-12-2019 00:00:00	3	Within Campus	0	80	0	120	200	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	500000	No

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

8	Technical Seminar on Voice Biomarkers for Clinical Applications in Association With IEEE PSES	Innovation	Seminar	Institute Lead Activity	Electronics and Communication Engineering	21-02-2020 00:00:00	21-02-2020 00:00:00	1	Within Campus	44	21	10	7	82	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	4000	No
9	Webinar on MOBILE APPLICATION AUTOMATION USING APPIUM	Innovation	Seminar	Institute Lead Activity	Electronics and Communication Engineering	06-03-2020 00:00:00	06-03-2020 00:00:00	1	Within Campus	44	21	20	8	93	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	4000	No
10	Alumni Convention – Hands on Training on Cloud Technology	Innovation	Seminar	Institute Lead Activity	Computer Science Engineering	23-08-2019 00:00:00	23-08-2019 00:00:00	1	Within Campus	25	15	5	5	50	No	No	
11	Hackathon – How to Succeed	Innovation	Seminar	Institute Lead Activity	Computer Science Engineering	23-08-2019 00:00:00	23-08-2019 00:00:00	1	Within Campus	40	20	20	19	99	No	No	
12	Php and its Framework	Innovation	Seminar	Institute Lead Activity	Computer Science Engineering	23-08-2019 00:00:00	23-08-2019 00:00:00	1	Within Campus	20	20	10	6	56	No	No	
13	Mainframes	Innovation	Seminar	Institute Lead Activity	Computer Science Engineering	24-08-2019 00:00:00	24-08-2019 00:00:00	1	Within Campus	50	20	20	16	106	No	No	
14	Testing with UTF – Hands on Training	Innovation	Conference	Institute Lead Activity	Computer Science Engineering	24-08-2019 00:00:00	24-08-2019 00:00:00	1	Within Campus	50	20	20	16	106	No	No	
15	Mobile Technology	Innovation	Seminar	Institute Lead Activity	Computer Science Engineering	24-08-2019 00:00:00	24-08-2019 00:00:00	1	Within Campus	10	10	10	5	35	No	No	
16	Guest Lecture on "Role of Engineers in the Society"	Innovation	Conference	Institute Lead Activity	Computer Science Engineering	14-09-2019 00:00:00	14-09-2019 00:00:00	1	Within Campus	10	10	10	5	35	No	No	

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

17	Education and Career Opportunities in Germany and Other European Countries	Innovation	Seminar	Institute Lead Activity	Computer Science Engineering	13-01-2020 00:00:00	13-01-2020 00:00:00	1	Within Campus	15	15	10	10	50	No	No	
18	Guest Lecture on "How to face the Interview"	Innovation	Seminar	Institute Lead Activity	Computer Science Engineering	20-02-2020 00:00:00	20-02-2020 00:00:00	1	Within Campus	15	15	10	10	50	No	No	
19	PRERANA - Program center for SC/ST student	Innovation	Mentoring Session	Institute Lead Activity	AICTE	01-11-2019 00:00:00	02-01-2020 00:00:00	63	Within Campus	66	40	0	0	106	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	666000	No

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	Concrete Mix Design	IPR	Workshop	Fathima Michael College of Engineering and Technology	Educational Institute	02-02-2020 00:00:00	02-02-2020 00:00:00	1	0	2	2	No	---	---	No	No
2	International conference on Emerging Trends in Engineering Technology	IPR	Conference	Pandian Saraswathi yadav Engineering College	Educational Institute	13-03-2020 00:00:00	14-03-2020 00:00:00	2	0	1	1	No	---	---	No	No

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

3	National Conference on Metallurgy, Materials, Manufacturing and Aeronautical Engineering	Innovation	Conference	Dhanalakshmi Srinivasan Engineering College	Educational Institute	13-03-2020 00:00:00	14-03-2020 00:00:00	2	0	100	100	No	---	---	Total Total Expense Amount Incurred by Institute? (In Rupees)	2000	No
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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	Strength of Material I	Innovation	Elective/Core Credit Course	Bachelor	Civil	01-07-2019	19-10-2019	111	Offline	25	45
2	Fluid Mechanics	Innovation	Elective/Core Credit Course	Bachelor	Civil	01-07-2019	19-10-2019	111	Offline	25	45
3	Surveying	Innovation	Elective/Core Credit Course	Bachelor	Civil	01-07-2019	19-10-2019	111	Offline	25	45
4	Construction Materials	Innovation	Elective/Core Credit Course	Bachelor	Civil	01-07-2019	19-10-2019	111	Offline	25	45
5	Engineering Geology	Innovation	Elective/Core Credit Course	Bachelor	civil	01-07-2019	19-10-2019	111	Offline	25	45
6	Construction Materials Laboratory	Innovation	Elective/Core Credit Course	Bachelor	civil	01-07-2019	19-10-2019	111	Offline	25	45
7	Surveying laboratory	Innovation	Elective/Core Credit Course	Bachelor	civil	01-07-2019	19-10-2019	111	Offline	25	45
8	Interpersonal Skill	Innovation	Elective/Core Credit Course	Bachelor	civil	01-07-2019	19-10-2019	111	Offline	25	45
9	Transforms and Partial Differential Equations	Innovation	Elective/Core Credit Course	Bachelor	civil	01-07-2019	19-10-2019	111	Offline	25	60
10	Design of Reinforced Cement Concrete Elements	Innovation	Elective/Core Credit Course	Bachelor	civil	01-07-2019	19-10-2019	111	Offline	38	75
11	Structural Analysis I	Innovation	Elective/Core Credit Course	Bachelor	Civil	01-07-2019	19-10-2019	111	Offline	38	45
12	Water Supply Engineering	Innovation	Elective/Core Credit Course	Bachelor	Civil	01-07-2019	19-10-2019	111	Offline	38	45
13	Foundation Engineering	Innovation	Elective/Core Credit Course	Bachelor	civil	01-07-2019	19-10-2019	111	Offline	38	45
14	Geographic Information System	Innovation	Elective/Core Credit Course	Bachelor	civil	01-07-2019	19-10-2019	111	Offline	38	45
15	Renewable Energy Resources	Innovation	Elective/Core Credit Course	Bachelor	civil	01-07-2019	19-10-2019	111	Offline	38	45

16	Soil Mechanics Laboratory	Innovation	Elective/Core Credit Course	Bachelor	civil	01-07-2019	19-10-2019	111	Offline	38	60
17	Water and Waste Water Analysis Laboratory	Innovation	Elective/Core Credit Course	Bachelor	civil	01-07-2019	19-10-2019	111	Offline	38	60
18	Estimation and Quantity Surveying	Innovation	Elective/Core Credit Course	Bachelor	civil	01-07-2019	19-10-2019	111	Offline	52	45
19	Structural Dynamics and Earthquake Engineering	Innovation	Elective/Core Credit Course	Bachelor	civil	01-07-2019	19-10-2019	111	Offline	52	45
20	Water resource and Irrigation Engineering	Innovation	Elective/Core Credit Course	Bachelor	civil	01-07-2019	19-10-2019	111	Offline	52	45
21	Housing Planning Management	Innovation	Elective/Core Credit Course	Bachelor	civil	01-07-2019	19-10-2019	111	Offline	52	45
22	Municipal Solid Waste management	Innovation	Elective/Core Credit Course	Bachelor	civil	01-07-2019	19-10-2019	111	Offline	52	45
23	Prestressed concrete structures	Innovation	Elective/Core Credit Course	Bachelor	civil	01-07-2019	19-10-2019	111	Offline	52	45
24	Fundamentals of Data Structures In C	Innovation	Elective/Core Credit Course	Bachelor	civil	01-07-2019	25-10-2019	117	Offline	18	45
25	Embedded and Real Time Systems	Innovation	Elective/Core Credit Course	Bachelor	ECE	01-07-2019	25-10-2019	117	Offline	57	45
26	Embedded and Real Time Systems	Innovation	Elective/Core Credit Course	Bachelor	ECE	01-07-2019	25-10-2019	117	Offline	57	45
27	Ad hoc and Wireless Sensor Networks	Innovation	Elective/Core Credit Course	Bachelor	ECE	01-07-2019	25-10-2019	117	Offline	57	45
28	Antennas and Microwave Engineering	Innovation	Elective/Core Credit Course	Bachelor	ECE	01-07-2019	25-10-2019	117	Offline	57	45
29	Discrete-Time Signal Processing	Innovation	Elective/Core Credit Course	Bachelor	ECE	01-07-2019	25-10-2019	117	Offline	49	45
30	Computer Architecture and Organization	Innovation	Elective/Core Credit Course	Bachelor	ECE	01-07-2019	25-10-2019	117	Offline	49	45
31	Communication Networks	Innovation	Elective/Core Credit Course	Bachelor	ECE	01-07-2019	25-10-2019	117	Offline	49	45
32	Medical Electronics	Innovation	Elective/Core Credit Course	Bachelor	ECE	02-07-2019	25-10-2019	116	Offline	49	45
33	Cognitive Radio	Innovation	Elective/Core Credit Course	Bachelor	ECE	01-07-2019	25-10-2019	117	Offline	49	45
34	Communicative English	Innovation	Elective/Core Credit Course	Bachelor	MECH	01-07-2019	25-10-2019	117	Offline	49	45
35	Engineering Mathematics - I	Innovation	Elective/Core Credit Course	Bachelor	ECE	01-07-2019	25-10-2019	117	Offline	31	45
36	Engineering Physics	Innovation	Elective/Core Credit Course	Bachelor	MECH	01-07-2019	19-10-2019	111	Offline	31	45
37	Engineering Chemistry	Innovation	Elective/Core Credit Course	Bachelor	MECH	01-07-2019	19-10-2019	111	Offline	31	45
38	Problem Solving and Python Programming	Innovation	Elective/Core Credit Course	Bachelor	MECH	01-07-2019	19-10-2019	111	Offline	31	45

39	Engineering Graphics	Innovation	Elective/Core Credit Course	Bachelor	MECH	01-07-2019	19-10-2019	111	Offline	31	45
40	Transforms and Partial Differential Equations	Innovation	Elective/Core Credit Course	Bachelor	MECH	01-07-2019	19-10-2019	111	Offline	31	45
41	Engineering Thermodynamics	Innovation	Elective/Core Credit Course	Bachelor	MECH	01-07-2019	19-10-2019	111	Offline	57	60
42	Fluid Mechanics and Machinery	Innovation	Elective/Core Credit Course	Bachelor	MECH	01-07-2019	19-10-2019	111	Offline	57	45
43	Manufacturing Technology - I	Innovation	Elective/Core Credit Course	Bachelor	MECH	01-07-2019	19-10-2019	111	Offline	57	45
44	Electrical Drives and Controls	Innovation	Elective/Core Credit Course	Bachelor	MECH	01-07-2019	19-10-2019	111	Offline	57	45
45	Thermal Engineering- II	Innovation	Elective/Core Credit Course	Bachelor	MECH	01-07-2019	19-10-2019	111	Offline	57	60
46	Design of Machine Elements	Innovation	Elective/Core Credit Course	Bachelor	MECH	01-07-2019	19-10-2019	111	Offline	66	45
47	Metrology and Measurements	Innovation	Elective/Core Credit Course	Bachelor	MECH	01-07-2019	19-10-2019	111	Offline	66	45
48	Dynamics of Machines	Innovation	Elective/Core Credit Course	Bachelor	MECH	01-07-2019	19-10-2019	111	Offline	66	45
49	Power Plant Engineering	Innovation	Elective/Core Credit Course	Bachelor	MECH	01-07-2019	19-10-2019	111	Offline	66	45
50	Mechatronics	Innovation	Elective/Core Credit Course	Bachelor	MECH	01-07-2019	19-10-2019	111	Offline	77	45
51	Computer Integrated Manufacturing Systems	Innovation	Elective/Core Credit Course	Bachelor	MECH	01-07-2019	19-10-2019	111	Offline	77	45
52	Total Quality Management	Innovation	Elective/Core Credit Course	Bachelor	MECH	01-07-2019	19-10-2019	111	Offline	77	45
53	Computer Aided Design and Drafting Laboratory	Innovation	Elective/Core Credit Course	Bachelor	CIVIL	01-07-2019	19-10-2019	111	Offline	52	60
54	Design Project	Innovation	Elective/Core Credit Course	Bachelor	CIVIL	01-07-2019	19-10-2019	111	Offline	52	60
55	Engineering Graphics	Innovation	Elective/Core Credit Course	Bachelor	ECE	01-07-2019	19-10-2019	111	Offline	24	90
56	Advanced Digital System Design	Innovation	Elective/Core Credit Course	Bachelor	ECE	08-08-2019	26-11-2019	111	Offline	48	45
57	Low Power VLSI Design	Innovation	Elective/Core Credit Course	Bachelor	ECE	05-08-2019	26-11-2019	114	Offline	48	45
58	RF IC Design	Innovation	Elective/Core Credit Course	Bachelor	ECE	05-08-2019	25-11-2019	113	Offline	8	45
59	Principles of Management	Entrepreneurship/Startup	Elective/Core Credit Course	Bachelor	ECE	05-08-2019	25-11-2019	113	Offline	8	45
60	Principles of Management	Entrepreneurship/Startup	Elective/Core Credit Course	Master	MBA	05-08-2019	25-11-2019	113	Offline	22	45
61	Economic Analysis for Business	Entrepreneurship/Startup	Elective/Core Credit Course	Master	Master of Business Administration	05-08-2019	25-11-2019	113	Offline	22	64

62	Organizational Behaviour	Entrepreneurship/Startup	Elective/Core Credit Course	Master	Master of Business Administration	05-08-2019	25-11-2019	113	Offline	22	67
63	Total Quality Management	Entrepreneurship/Startup	Elective/Core Credit Course	Master	Master of Business Administration	05-08-2019	22-11-2019	110	Offline	22	47
64	Strategic Management	Entrepreneurship/Startup	Elective/Core Credit Course	Master	Master of Business Administration	05-08-2019	25-11-2019	113	Offline	22	54
65	Retail Marketing	Entrepreneurship/Startup	Elective/Core Credit Course	Master	Master of Business Administration	05-08-2019	25-11-2019	113	Online	22	45
66	Services Marketing	Entrepreneurship/Startup	Elective/Core Credit Course	Master	Master of Business Administration	05-08-2019	25-11-2019	113	Offline	22	45
67	Merchant Banking and Financial Services	Entrepreneurship/Startup	Elective/Core Credit Course	Master	Master of Business Administration	05-08-2019	25-11-2019	113	Offline	22	45
68	Industrial Relations and Labour Welfare	Entrepreneurship/Startup	Elective/Core Credit Course	Master	Master of Business Administration	05-08-2019	25-11-2019	113	Offline	22	45
69	Managerial Behaviour and Effectiveness	Entrepreneurship/Startup	Elective/Core Credit Course	Master	Master of Business Administration	05-08-2019	25-11-2019	113	Offline	22	45
70	Security Analysis and Portfolio Management	Entrepreneurship/Startup	Elective/Core Credit Course	Master	Master of Business Administration	05-08-2019	25-11-2019	113	Offline	22	45
71	Entrepreneurship Development	Entrepreneurship/Startup	Elective/Core Credit Course	Master	Master of Business Administration	06-08-2019	25-11-2019	112	Online	22	45
72	International Business Management	Entrepreneurship/Startup	Elective/Core Credit Course	Master	Master of Business Administration	05-08-2019	25-11-2019	113	Online	22	45
73	Spoken and Written Communication	Entrepreneurship/Startup	Elective/Core Credit Course	Master	Master of Business Administration	06-08-2019	25-11-2019	112	Online	22	45
74	Accounting for Management	Entrepreneurship/Startup	Elective/Core Credit Course	Master	Master of Business Administration	06-08-2019	25-11-2019	112	Online	22	45
75	Hardware design	Entrepreneurship/Startup	Elective/Core Credit Course	Bachelor	Electronics and Communication Engineering	06-08-2019	25-11-2019	112	Online	22	45

76	Legal Aspects of Business	Entrepreneurship/Startup	Elective/Core Credit Course	Master	Master of Business Administration	06-08-2019	25-11-2019	112	Online	22	45
77	Statistics for Management	Entrepreneurship/Startup	Elective/Core Credit Course	Master	Master of Business Administration	07-08-2019	25-11-2019	111	Online	22	45
78	Brand Management	Entrepreneurship/Startup	Elective/Core Credit Course	Master	Master of Business Administration	06-08-2019	25-11-2019	112	Online	22	45
79	Testing of VLSI Circuits	Innovation	Elective/Core Credit Course	Bachelor	Electronics and Communication Engineering	06-08-2019	25-11-2019	112	Online	22	45
80	Applied Operations Research	Innovation	Elective/Core Credit Course	Master	Master of Business Administration	06-08-2019	25-11-2019	112	Online	22	45
81	Human Resource Management	Entrepreneurship/Startup	Elective/Core Credit Course	Master	Master of Business Administration	06-08-2019	25-11-2019	112	Online	22	45
82	Operations Management	Entrepreneurship/Startup	Elective/Core Credit Course	Master	Master of Business Administration	06-08-2019	25-11-2019	112	Online	22	45
83	Data Analysis and Business Modeling	Innovation	Elective/Core Credit Course	Master	Master of Business Administration	10-12-2019	11-03-2020	93	Online	22	45
84	Business Research Methods	Entrepreneurship/Startup	Elective/Core Credit Course	Master	Master of Business Administration	11-12-2019	10-03-2020	91	Online	22	45
85	Marketing Management	Entrepreneurship/Startup	Elective/Core Credit Course	Master	Master of Business Administration	10-12-2019	11-03-2020	93	Online	25	45
86	Strength of Material II	Innovation	Elective/Core Credit Course	Bachelor	Civil Engineering	16-12-2019	17-03-2020	93	Offline	25	45
87	Applied Hydraulic Engineering	Innovation	Elective/Core Credit Course	Bachelor	Civil Engineering	13-12-2019	10-03-2020	89	Offline	25	45
88	Concrete Technology	Innovation	Elective/Core Credit Course	Bachelor	Civil Engineering	11-12-2019	23-03-2020	104	Offline	25	45
89	Construction Technique	Innovation	Elective/Core Credit Course	Bachelor	Civil Engineering	16-12-2019	23-03-2020	99	Offline	25	45
90	Soil Mechanics	Innovation	Elective/Core Credit Course	Bachelor	Civil Engineering	16-12-2019	27-03-2020	103	Offline	25	45
91	Strength of materials Laboratory	Innovation	Elective/Core Credit Course	Bachelor	Civil Engineering	19-12-2019	27-03-2020	100	Offline	25	45
92	Hydraulic Engineering Laboratory	Innovation	Elective/Core Credit Course	Bachelor	Civil Engineering	16-12-2019	27-03-2020	103	Offline	25	45

93	Design of Steel Structural Elements	Innovation	Elective/Core Credit Course	Bachelor	Civil Engineering	16-12-2019	27-03-2020	103	Offline	25	45
94	Structural Analysis II	Innovation	Elective/Core Credit Course	Bachelor	Civil Engineering	16-12-2019	27-03-2020	103	Offline	25	45
95	Irrigation Engineering	Innovation	Elective/Core Credit Course	Bachelor	Civil Engineering	16-12-2019	27-03-2020	103	Offline	25	45
96	Waste water Engineering	Innovation	Elective/Core Credit Course	Bachelor	Civil Engineering	16-12-2019	27-03-2020	103	Offline	25	45
97	Highway Engineering laboratory	Innovation	Elective/Core Credit Course	Bachelor	Civil Engineering	16-12-2019	27-03-2020	103	Offline	38	45
98	Irrigation and Environmental Engineering Drawing	Innovation	Elective/Core Credit Course	Bachelor	Civil Engineering	16-12-2019	27-03-2020	103	Offline	38	45
99	Prefabricated structures	Innovation	Elective/Core Credit Course	Bachelor	Civil Engineering	16-12-2019	27-03-2020	103	Offline	38	45
100	Repair and Rehabilitation of Structures	Innovation	Elective/Core Credit Course	Bachelor	Civil Engineering	16-12-2019	27-03-2020	103	Offline	38	45
101	VLSI Design	Innovation	Elective/Core Credit Course	Bachelor	Electronics and Communication Engineering	16-12-2019	27-03-2020	103	Offline	38	45
102	Wireless Communication	Innovation	Elective/Core Credit Course	Bachelor	Electronics and Communication Engineering	16-12-2019	27-03-2020	103	Offline	49	45
103	Digital Image Processing	Innovation	Elective/Core Credit Course	Bachelor	Electronics and Communication Engineering	18-12-2019	27-03-2020	101	Offline	48	45
104	Cryptography and Network Security	Innovation	Elective/Core Credit Course	Bachelor	ELECTRICAL AND ELECTRONICS ENGINEERING	16-12-2019	27-03-2020	103	Offline	57	45
105	Intellectual Property Rights	Innovation	Elective/Core Credit Course	Bachelor	ELECTRICAL AND ELECTRONICS ENGINEERING	16-12-2019	27-03-2020	103	Offline	57	48
106	Technical English	Innovation	Elective/Core Credit Course	Bachelor	Mechanical Engineering	16-12-2019	27-03-2020	103	Offline	31	48
107	Engineering Mathematics - II	Innovation	Elective/Core Credit Course	Bachelor	Mechanical Engineering	16-12-2019	27-03-2020	103	Offline	31	45
108	Materials Science	Innovation	Elective/Core Credit Course	Bachelor	Mechanical Engineering	16-12-2019	27-03-2020	103	Offline	31	45
109	Environmental Science and Engineering	Innovation	Elective/Core Credit Course	Bachelor	Mechanical Engineering	19-12-2019	23-03-2020	96	Offline	31	45
110	Engineering Mechanics	Innovation	Elective/Core Credit Course	Bachelor	Mechanical Engineering	17-12-2019	23-03-2020	98	Offline	31	45

111	Statistics and Numerical Methods	Innovation	Elective/Core Credit Course	Bachelor	Mechanical Engineering	16-12-2019	23-03-2020	99	Offline	31	45
112	Kinematics of Machinery	Innovation	Elective/Core Credit Course	Bachelor	Mechanical Engineering	16-12-2019	23-03-2020	99	Offline	57	60
113	Manufacturing Technology	Innovation	Elective/Core Credit Course	Bachelor	Mechanical Engineering	16-12-2019	23-03-2020	99	Offline	57	45
114	Engineering Metallurgy	Innovation	Elective/Core Credit Course	Bachelor	Mechanical Engineering	17-12-2019	23-03-2020	98	Offline	57	45
115	Strength of Materials for Mechanical Engineers	Innovation	Elective/Core Credit Course	Bachelor	Mechanical Engineering	16-12-2019	23-03-2020	99	Offline	57	61
116	Design of Transmission Systems	Innovation	Elective/Core Credit Course	Bachelor	Mechanical Engineering	17-12-2019	23-03-2020	98	Offline	66	60
117	Computer Aided Design and Manufacturing	Innovation	Elective/Core Credit Course	Bachelor	Mechanical Engineering	16-12-2019	23-03-2020	99	Offline	66	45
118	Finite Element Analysis	Innovation	Elective/Core Credit Course	Bachelor	Mechanical Engineering	16-12-2019	23-03-2020	99	Offline	66	60
119	Hydraulics and Pneumatics	Innovation	Elective/Core Credit Course	Bachelor	Mechanical Engineering	16-12-2019	23-03-2020	99	Offline	66	60
120	Engineering Economics	Innovation	Elective/Core Credit Course	Bachelor	Mechanical Engineering	17-12-2019	23-03-2020	98	Offline	77	45
121	Advanced IC Engines	Innovation	Elective/Core Credit Course	Bachelor	Mechanical Engineering	17-12-2019	23-03-2020	98	Offline	77	45
122	Production Planning and Control	Innovation	Elective/Core Credit Course	Bachelor	Mechanical Engineering	16-12-2019	23-03-2020	99	Offline	77	45
123	Survey Camp	Innovation	Elective/Core Credit Course	Bachelor	Civil Engineering	17-12-2019	23-03-2020	98	Offline	38	30
124	Alumni Convention	Innovation	Elective/Core Credit Course	Bachelor	Computer Science Engineering	23-08-2019	27-08-2019	5	Offline	50	30
125	Hackathon	Innovation	Elective/Core Credit Course	Bachelor	Computer Science Engineering	23-08-2019	26-08-2019	4	Offline	50	30
126	Php and its Framework	Innovation	Elective/Core Credit Course	Bachelor	Computer Science Engineering	23-08-2019	27-08-2019	5	Offline	50	30
127	Mainframes	Innovation	Elective/Core Credit Course	Bachelor	Computer Science Engineering	23-08-2019	27-08-2019	5	Offline	106	30
128	Testing with UTF	Innovation	Elective/Core Credit Course	Bachelor	Computer Science Engineering	23-08-2019	28-08-2019	6	Offline	106	30
129	Mobile Technology	Innovation	Elective/Core Credit Course	Bachelor	Computer Science Engineering	23-08-2019	27-08-2019	5	Offline	35	30
130	Education and Career Opportunities in Germany and Other European Countries	Innovation	Elective/Core Credit Course	Bachelor	Computer Science Engineering	14-01-2020	17-01-2020	4	Offline	50	30
131	Guest Lecture on Internet of Things	Innovation	Elective/Core Credit Course	Bachelor	Computer Science Engineering	20-12-2020	23-12-2020	4	Offline	50	30

LiList the Employment Generation Skill Development Programs Organized by the HEI on Innovation, IPR and Entrepreneurship Development During the Academic Period (2019-20)

Sno	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	Experience Sharing	Entrepreneurship/Startup	Employment Generation Training Programs	ECE	01-11-2019	14-11-2019	14	Offline	60	35
2	Hands on training With Arduino Microcontroller	Entrepreneurship/Startup	Employment Generation Training Programs	ECE	18-01-2019	21-01-2019	4	Offline	60	35
3	Webinar on Mobile Application and Automation Using Appium	Innovation	FDP in I&E / IPR	ECE	01-03-2019	08-03-2019	8	Offline	60	35
4	Webinar on Mobile Application and Automation Using Appium	Innovation	Employment Generation Training Programs	CIVIL	09-04-2019	12-04-2019	4	Offline	135	45
5	Myinception Training Programe	Innovation	Employment Generation Training Programs	CIVIL	23-07-2019	02-08-2019	11	Offline	234	40
6	Myinception Training Programe	Innovation	Employment Generation Training Programs	EEE	23-07-2019	06-08-2019	15	Offline	243	60
7	Myinception Training Programe	Innovation	FDP in I&E / IPR	EEE	23-07-2019	05-08-2019	14	Offline	77	45
8	Myinception Training Programe	Innovation	Employment Generation Training Programs	MECH	30-07-2019	06-08-2019	8	Offline	66	45
9	Myinception Training Programe	Innovation	MDP in I&E / IPR	MECH	01-09-2019	01-11-2019	62	Offline	80	45
10	Experience Sharing	Innovation	Employment Generation Training Programs	MBA	02-09-2019	05-09-2019	4	Offline	45	35
11	Opportunities of Women Entrepreneurs	Entrepreneurship/Startup	Employment Generation Training Programs	MBA	27-09-2019	30-09-2019	4	Offline	40	38
12	Management Meet	Entrepreneurship/Startup	Employment Generation Training Programs	MBA	05-10-2019	15-10-2019	11	Offline	40	38
13	Seven Habits of Highly Effective People	Entrepreneurship/Startup	Employment Generation Training Programs	MBA	12-10-2019	15-10-2019	4	Offline	42	38
14	Probability Distribution	Innovation	MDP in I&E / IPR	MBA	19-10-2019	23-10-2019	5	Offline	40	38
15	Fragren Academy Training Programe	Innovation	FDP in I&E / IPR	ALL THIRD YEARS	07-11-2019	13-11-2019	7	Offline	193	48
16	Myinception Training Programe	Entrepreneurship/Startup	Employment Generation Training Programs	Mechanical Engineering	07-11-2019	14-11-2019	8	Offline	44	34
17	Qualities for a Successful Entrereneur	Entrepreneurship/Startup	Employment Generation Training Programs	MBA	23-11-2019	29-11-2019	7	Offline	45	37

18	Union Budget 2020 Review	Entrepreneurship/Startup	Employment Generation Training Programs	MBA	25-11-2019	29-11-2019	5	Offline	44	37
19	Faculty orientation programme on soft skills and understanding the psychology of current generation students	Entrepreneurship/Startup	Employment Generation Training Programs	Science and Humanities	09-12-2019	13-12-2019	5	Offline	40	36
20	Myinception Training Programe	Innovation	Employment Generation Training Programs	ALL THIRD YEAR	21-01-2019	28-01-2019	8	Offline	126	45
21	Myinception Training Programe	Innovation	Employment Generation Training Programs	Mechanical Engineering	23-01-2019	31-01-2019	9	Offline	40	32
22	Webinar on Product development	Entrepreneurship/Startup	Employment Generation Training Programs	MBA	02-02-2020	07-02-2020	6	Offline	40	34
23	Webinar on Mobile Application and Automation Using Appium	Innovation	Employment Generation Training Programs	ECE	06-03-2020	13-03-2020	8	Offline	43	32
24	Webinar on How AI is Helping to compact Covid-19	Innovation	Employment Generation Training Programs	ECE	12-05-2020	18-05-2020	7	Online	43	32
25	Webinar on Job Opportunities in Renewable Energy Technology	Innovation	FDP in I&E / IPR	Electrical and Electronics Engineering	15-05-2020	21-05-2020	7	Online	42	32
26	Webinar on Electronics in Automobile	Innovation	Employment Generation Training Programs	ECE	16-05-2020	21-05-2020	6	Online	46	32
27	Webinar on Forensic counter Measures to Takle Fake news and and fake speech using	IPR	FDP in I&E / IPR	ECE	15-05-2020	22-05-2020	8	Online	42	32
28	Webinar on Confidence Building and Interpersonal Skills Required for Building Engineers	Innovation	FDP in I&E / IPR	Electrical and Electronics Engineering	19-05-2020	28-05-2020	10	Online	46	35
29	The impact of Covid 19 in Indian Financial Industry	Innovation	Employment Generation Training Programs	MBA	25-05-2020	29-05-2020	5	Online	23	32
30	Webinar strategic management	Innovation	Employment Generation Training Programs	MBA	29-05-2020	01-06-2020	4	Online	25	34
31	Webinar on Application development	Innovation	FDP in I&E / IPR	MBA	30-05-2020	05-06-2020	7	Online	20	32
32	Webinar on Defined Networking	Innovation	EDP in I&E / IPR	ECE	06-06-2020	11-06-2020	6	Online	48	32
33	Online quize in Operation Management	Entrepreneurship/Startup	Employment Generation Training Programs	MBA	09-06-2020	12-06-2020	4	Online	20	32
34	Webinar on Rituals for an Enlightened Living	Innovation	Employment Generation Training Programs	Electrical and Electronics Engineering	18-06-2020	26-06-2020	9	Online	49	35
35	Online quize in Applied Operational Research	Entrepreneurship/Startup	Employment Generation Training Programs	MBA	10-06-2020	16-06-2020	7	Online	20	32

36	Webinar on Software development programe	Entrepreneurship/Startup	Employment Generation Training Programs	ECE	06-06-2020	11-06-2020	6	Online	36	40
37	Managing job opportunities in Manufacturing Sectors	Innovation	FDP in I&E / IPR	Master of Business administration	07-07-2020	29-08-2020	54	Offline	42	30
38	Myinception Training Programe	Entrepreneurship/Startup	FDP in I&E / IPR	Computer Science Engineering	23-07-2019	02-08-2019	11	Offline	50	88
39	Myinception Training Programe	Innovation	FDP in I&E / IPR	Computer Science Engineering	30-07-2019	02-08-2019	4	Offline	35	38
40	Myinception Training Programe	Innovation	FDP in I&E / IPR	Computer Science Engineering	11-11-2019	15-11-2019	5	Offline	56	35
41	Fragren Academy Training Programe	Innovation	FDP in I&E / IPR	Computer Science Engineering	09-04-2019	13-04-2019	5	Offline	43	35
42	Myinception Training Programe	Innovation	FDP in I&E / IPR	Computer Science Engineering	21-01-2020	25-01-2020	5	Offline	43	38

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	Mr.G.Palaniselvan	Civil Engineering	Assistant Professor	No	No
2	Mrs.R.Vinothini	Civil Engineering	Assistant Professor	No	No
3	Mr.S.Dhamodharan	Civil Engineering	Assistant Professor	No	No
4	Mr.S.Ramprakash	Civil Engineering	Assistant Professor	No	No
5	Mrs.B.Bakya	Civil Engineering	Assistant Professor	No	No
6	Mrs.T.Senbagam	Civil Engineering	Assistant Professor	No	No
7	Mr.G.Manikandan	Civil Engineering	Assistant Professor	No	No
8	Mr.G.Karunakaran	Civil Engineering	Assistant Professor	No	No
9	Ms.K.Tharani	Civil Engineering	Assistant Professor	No	No
10	Ms.G.Rajeswari	Civil Engineering	Assistant Professor	No	No
11	Dr. M. Periyasamy	Electronics and Communication Engineering	Professor	No	No
12	Dr. G. Mahendran	Electronics and Communication Engineering	Professor	No	No
13	Dr. S.M.H. Sithi Shameem Fathima	Electronics and Communication Engineering	Professor	No	No
14	Dr. N. Kirubanandasarathy	Electronics and Communication Engineering	Professor	No	No
15	Mr. J. Sakubar Sadiq	Electronics and Communication Engineering	Associate Professor	No	No
16	Mrs. A. Valanarasi	Electronics and Communication Engineering	Associate Professor	No	No
17	Dr. C. Priya	Electronics and Communication Engineering	Associate Professor	No	No
18	Mr. S. Praveen Samuel Washburn	Electronics and Communication Engineering	Assistant Professor	No	No
19	Mr. G. Arun Mani	Electronics and Communication Engineering	Assistant Professor	No	No

20	Mr. P. Ravivarma	Electronics and Communication Engineering	Assistant Professor	No	No
21	Mr. B. Babu Mohan	Electronics and Communication Engineering	Assistant Professor	No	No
22	Mrs. N. Karthikadevi	Electronics and Communication Engineering	Assistant Professor	No	No
23	Mr. B. Saravanan	Electronics and Communication Engineering	Assistant Professor	No	No
24	Mrs. N. Minhaj Begam	Electronics and Communication Engineering	Assistant Professor	No	No
25	Ms. N. Dhivya	Electronics and Communication Engineering	Assistant Professor	No	No
26	Mrs. K. Jeya Sudha	Electronics and Communication Engineering	Assistant Professor	No	No
27	Mrs. S. Raga Rakshanya	Electronics and Communication Engineering	Assistant Professor	No	No
28	Mrs. S. Ananthi	Electronics and Communication Engineering	Assistant Professor	No	No
29	Mr. G. Murali Manogar Joshi	Electronics and Communication Engineering	Assistant Professor	No	No
30	Dr.S.Selvaperumal	Electrical and Electronics Engineering	Professor	No	No
31	Dr.R.Nagarajan	Electrical and Electronics Engineering	Associate Professor	No	No
32	Mr.P.Nedumal Pugazhenth	Electrical and Electronics Engineering	Associate Professor	No	No
33	Dr.S.Muthulakshmi	Electrical and Electronics Engineering	Associate Professor	No	No
34	Dr.S.Aiswariya	Electrical and Electronics Engineering	Associate Professor	No	No
35	Dr.M.Senthil Kumar	Electrical and Electronics Engineering	Assistant Professor	No	No
36	Dr.G.S.Naganathan	Electrical and Electronics Engineering	Assistant Professor	No	No
37	Mr.M.Paul Jeyaraj	Electrical and Electronics Engineering	Assistant Professor	No	No
38	MrP.GnanaskandaParthiban	Electrical and Electronics Engineering	Assistant Professor	No	No
39	Mr. G.T.ArunPrasth	Electrical and Electronics Engineering	Assistant Professor	No	No
40	MsG.Abinaya	Electrical and Electronics Engineering	Assistant Professor	No	No
41	Mr.R.Jagadeesan	Electrical and Electronics Engineering	Assistant Professor	No	No
42	Dr. S. Karthikeyan	Mechanical Engineering	Professor	No	No
43	Dr. K. Senthil Kumar	Mechanical Engineering	Professor	No	No
44	Mr. S. Rajesh Babu	Mechanical Engineering	Associate Professor	No	No
45	Mr. R. Raja	Mechanical Engineering	Associate Professor	No	No
46	Dr. D. Somasundaram	Mechanical Engineering	Associate Professor	No	No
47	Mr. C. Thirugnanam	Mechanical Engineering	Assistant Professor	No	No
48	Mr. G. Sabari Narayanan	Mechanical Engineering	Assistant Professor	No	No
49	Mr. S.M. Sutharsan	Mechanical Engineering	Assistant Professor	No	No
50	Mr. P. Senthil Kumar	Mechanical Engineering	Assistant Professor	No	No
51	Mr. B. Koodalingam	Mechanical Engineering	Assistant Professor	No	No
52	Mr. T. Dharmaprabakaran	Mechanical Engineering	Assistant Professor	No	No

53	Mr. K. Kalaimurugan	Mechanical Engineering	Assistant Professor	No	No
54	Dr.S.Syed Anar Kabir	Master of Business Administration	Professor	No	No
55	Dr.R.Meikanda Ganesh Kumar	Master of Business Administration	Professor	No	No
56	Dr.K.Jeyabalan	Master of Business Administration	Associate Professor	No	No
57	Ms.K.Najima Banu	Master of Business Administration	Assistant Professor	No	No
58	Ms.M.Arokia Rosy	Master of Business Administration	Assistant Professor	No	No
59	Mrs.Kiruthiga	Master of Business Administration	Assistant Professor	No	No
60	Ms. Subashree	Master of Business Administration	Assistant Professor	No	No
61	Dr. B. Muthu Kumar	Computer Science Engineering	Professor	No	No
62	Dr. N. Karthikeyan	Computer Science Engineering	Professor	No	No
63	Dr. A. Kanmani	Computer Science Engineering	Associate Professor	No	No
64	Mr. M. Islabudeen	Computer Science Engineering	Associate Professor	No	No
65	Dr. S. Hasan Hussain	Computer Science Engineering	Associate Professor	No	No
66	Mr. J. Ragaventhiran	Computer Science Engineering	Associate Professor	No	No
67	Mrs. G. Sharmila	Computer Science Engineering	Assistant professor	No	No
68	Dr. T. B. Sivakumar	Computer Science Engineering	Assistant professor	No	No
69	Mrs. T. M. Devi	Computer Science Engineering	Assistant professor	No	No
70	Mr G .Saravanankumar	Computer Science Engineering	Assistant professor	No	No
71	Mr John samuel	Computer Science Engineering	Assistant professor	No	No
72	Mrs Nambu sanmugapriya	Computer Science Engineering	Assistant professor	No	No

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	Institute of Engineers India	Innovation Club	2014	None	IPR Cell/Technology Transfer Centre	1	Dr.S.Karthikeyan	skarthikeya74@gmail.com	9843520062
2	Renewable Energy Club	Innovation Club	2013	None	Innovation Labs	1	C. Thirugnanam	thirumech104@gmail.com	9578121902
3	RAMANUJAN MORGANS MATH CLUB	Innovation Club	2007	None	Innovation Labs	1	Mrs.B.THENMOZHI	thenmozhibalakrishnan@syedengg.ac.in	9786021177
4	ELITE	Innovation Club	2011	None	Innovation Labs	1	Mrs.R.KAVITHA	kavitha_english@yahoo.co.in	8870517840
5	IEEE	Innovation Club	2017	None	IPR Cell/Technology Transfer Centre	1	M.I. Sushmitha	19mevl08@syedengg.ac.in	9500902722

6	ISTE	Innovation Club	2004	None	IPR Cell/Technology Transfer Centre	0	J. G. KANNAN	18ec020@syedengg.co.in	8940158637
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List the Pre-Incubation Facility (Tinkering Lab/Makers' Space/Design Centre/New Gen IEDC/IEDC/EDC/Innovation Centre/Startup Cell) (>= 600 Sq. Ft. Floor Area)

Srno	Name of Pre-Incubation Centre	Type of Facility	Year of Establishment	Type of Facilities Available at the Centre	Pre-Incubation with Access to Other I&E Facilities at the HEI	Name of the Funding Schemes Available with Pre-Incubation Unit, if any (Optional)	Facility Details	Total Nos of Dedicated Executive/Management team Strength Engaged at the Facility	Had the Pre-Incubation Unit Provided any Funding Support for Idea/Prototype/Innovation Development and implementation during the Financial Year 2019-20	Had institute Generated Income either from Services Offered by Pre-Incubation Centre/Facilities?	Had institute spent expenses either from own resource/received fund towards Establishment/Operation of Pre-Incubation Centre/Facilities?						
1	SYED AMMAL ENGINEERING COLLEGE BUSINESS INCUBATION CENTRE	Innovation Centre	2015	Work Stations	Centre of Excellence with Advance Tools	Centre of Excellence with Advance Tools	<table border="1"> <tr> <td>Facility Incharge Name</td> <td>Dr. R. Meikanda Ganes h Kumar</td> </tr> <tr> <td>Facility Incharge Email</td> <td>meiganesh@gmail.com</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>7010433257</td> </tr> </table>	Facility Incharge Name	Dr. R. Meikanda Ganes h Kumar	Facility Incharge Email	meiganesh@gmail.com	Facility Incharge Phone	7010433257	10	Yes	No	Yes
Facility Incharge Name	Dr. R. Meikanda Ganes h Kumar																
Facility Incharge Email	meiganesh@gmail.com																
Facility Incharge Phone	7010433257																
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					Syed Ammal Engineering College			Educational Institute		0							

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	THERMAL LABORATORY I & II	2009	IPR Cell/Technology Transfer Centre		<table border="1"> <tr> <td>Facility Incharge Name</td> <td>Dr. D. Somas undaram</td> </tr> <tr> <td>Facility Incharge Email</td> <td>sompras123@yahoo.com</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>9842653626</td> </tr> </table>	Facility Incharge Name	Dr. D. Somas undaram	Facility Incharge Email	sompras123@yahoo.com	Facility Incharge Phone	9842653626	27	No	No	Yes
Facility Incharge Name	Dr. D. Somas undaram														
Facility Incharge Email	sompras123@yahoo.com														
Facility Incharge Phone	9842653626														
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					syed ammal engineering college			Educational Institute		1703115					

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

2	CAD/CAM Laboratory	2010	IPR Cell/Technology Transfer Centre		Facility Incharge Name	Mr. S. Rajesh Babu	27	No	No	Yes
					Facility Incharge Email	rajeshbabus aec@gmail.com				
					Facility Incharge Phone	97890 09151				
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		syed ammal engineering college			Educational Institute		5596823			
3	Manufacturing Technology Laboratory I & II	2009	Innovation Labs		Facility Incharge Name	Dr. K. Senthil Kumar	57	No	No	Yes
					Facility Incharge Email	ksenthilme1975@gmail.com				
					Facility Incharge Phone	94429 42162				
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		syed ammal engineering college			Educational Institute		1392282			
4	Mechatronics Laboratory	2011	IPR Cell/Technology Transfer Centre		Facility Incharge Name	Mr. C. Thirug nanam	77	No	No	Yes
					Facility Incharge Email	cthirmech1971@gmail.com				
					Facility Incharge Phone	95781 21902				
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		syed ammal engineering college			Educational Institute		1100989			

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

5	Metrology and Measurements Laboratory	2010	Innovation Labs		Facility Incharge Name	Mr. S.M. Suthar san	66	No	No	Yes
					Facility Incharge Email	suthar 191@gmail.com				
					Facility Incharge Phone	99408 89686				
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		syed ammal engineering college			Educational Institute		1154570			
6	Dynamics Laboratory	2011	Innovation Labs		Facility Incharge Name	Mr. P. Senthil Kumar	66	No	No	Yes
					Facility Incharge Email	senthiljai046@gmail.com				
					Facility Incharge Phone	97875 01632				
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		syed ammal engineering college			Educational Institute		266700			
7	Engineering Practice Laboratory	2009	IPR Cell/Technology Transfer Centre		Facility Incharge Name	Mr. G. Sabari Narayanan	113	No	No	Yes
					Facility Incharge Email	g.sabarinarayanan@gmail.com				
					Facility Incharge Phone	90807 74919				
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		syed ammal engineering college			Educational Institute		101450			

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

8	Fluid Mechanics Laboratory	2010	IPR Cell/Technology Transfer Centre		<table border="1"> <tr> <td>Facility Incharge Name</td> <td>Mr. R. Raja</td> </tr> <tr> <td>Facility Incharge Email</td> <td>raja.renu7@gmail.com</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>9442230013</td> </tr> </table>	Facility Incharge Name	Mr. R. Raja	Facility Incharge Email	raja.renu7@gmail.com	Facility Incharge Phone	9442230013	31	No	No	No
Facility Incharge Name	Mr. R. Raja														
Facility Incharge Email	raja.renu7@gmail.com														
Facility Incharge Phone	9442230013														
9	Strength of Materials Laboratory	2010	IPR Cell/Technology Transfer Centre		<table border="1"> <tr> <td>Facility Incharge Name</td> <td>Mr. B. Koodalingam</td> </tr> <tr> <td>Facility Incharge Email</td> <td>koodalingamsaec@gmail.com</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>7339527870</td> </tr> </table>	Facility Incharge Name	Mr. B. Koodalingam	Facility Incharge Email	koodalingamsaec@gmail.com	Facility Incharge Phone	7339527870	31	No	No	Yes
Facility Incharge Name	Mr. B. Koodalingam														
Facility Incharge Email	koodalingamsaec@gmail.com														
Facility Incharge Phone	7339527870														
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				syed ammal engineering college			Educational Institute		1823508						
10	Research Laboratory	2010	Innovation Labs		<table border="1"> <tr> <td>Facility Incharge Name</td> <td>Dr. K. Senthil Kumar</td> </tr> <tr> <td>Facility Incharge Email</td> <td>ksenthilme1975@gmail.com</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>9442942162</td> </tr> </table>	Facility Incharge Name	Dr. K. Senthil Kumar	Facility Incharge Email	ksenthilme1975@gmail.com	Facility Incharge Phone	9442942162	6	No	No	Yes
Facility Incharge Name	Dr. K. Senthil Kumar														
Facility Incharge Email	ksenthilme1975@gmail.com														
Facility Incharge Phone	9442942162														
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				syed ammal engineering college			Educational Institute		757483						

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

11	Electrical Machines Laboratory	1998	IPR Cell/Technology Transfer Centre		<table border="1"> <tr> <td>Facility Incharge Name</td> <td>Dr.G.S .Naganathan</td> </tr> <tr> <td>Facility Incharge Email</td> <td>gsn@syeden gg.ac.in</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>98651 44965</td> </tr> </table>	Facility Incharge Name	Dr.G.S .Naganathan	Facility Incharge Email	gsn@syeden gg.ac.in	Facility Incharge Phone	98651 44965	0	Yes	No	Yes
Facility Incharge Name	Dr.G.S .Naganathan														
Facility Incharge Email	gsn@syeden gg.ac.in														
Facility Incharge Phone	98651 44965														
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				Syed Ammal Engineering College		Educational Institute		1477752							
12	Power Electronics Laboratory	1998	IPR Cell/Technology Transfer Centre		<table border="1"> <tr> <td>Facility Incharge Name</td> <td>Dr.S.Ai swarya</td> </tr> <tr> <td>Facility Incharge Email</td> <td>sa@sy edeng g.ac.in</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>94880 06122</td> </tr> </table>	Facility Incharge Name	Dr.S.Ai swarya	Facility Incharge Email	sa@sy edeng g.ac.in	Facility Incharge Phone	94880 06122	0	Yes	No	Yes
Facility Incharge Name	Dr.S.Ai swarya														
Facility Incharge Email	sa@sy edeng g.ac.in														
Facility Incharge Phone	94880 06122														
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				Syed Ammal Engineering College		Educational Institute		1643172							
13	Instrumentation &Control system Laboratory	1998	IPR Cell/Technology Transfer Centre		<table border="1"> <tr> <td>Facility Incharge Name</td> <td>Dr.M.S enthilk umar</td> </tr> <tr> <td>Facility Incharge Email</td> <td>m8en2@syedeng g.ac.in</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>99945 77576</td> </tr> </table>	Facility Incharge Name	Dr.M.S enthilk umar	Facility Incharge Email	m8en2@syedeng g.ac.in	Facility Incharge Phone	99945 77576	0	Yes	No	Yes
Facility Incharge Name	Dr.M.S enthilk umar														
Facility Incharge Email	m8en2@syedeng g.ac.in														
Facility Incharge Phone	99945 77576														
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				Syed Ammal Engineering College		Educational Institute		705851							

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

14	Computer and Embedded systems Laboratory	2012	IPR Cell/Technology Transfer Centre		Facility Incharge Name	Mr.T.A run Prasath	0	Yes	No	Yes
					Facility Incharge Email	arunprasath@syedengg.ac.in				
					Facility Incharge Phone	8124391621				
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		Syed Ammal Engineering College			Educational Institute		2015928			
15	Project Laboratory	1989	IPR Cell/Technology Transfer Centre		Facility Incharge Name	Mr.M.Paul Jeyaraj	0	Yes	No	Yes
					Facility Incharge Email	mpj@syedenengg.ac.in				
					Facility Incharge Phone	8940467896				
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		Syed Ammal Engineering College			Educational Institute		300000			
16	Environmental Engineering Laboratory	2012	IPR Cell/Technology Transfer Centre		Facility Incharge Name	G.Manikandan	0	Yes	No	Yes
					Facility Incharge Email	maniganesan.civil@gmail.com				
					Facility Incharge Phone	8940718701				
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		Syed Ammal Engineering College			Educational Institute		2778116			

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

17	Computer Aided Design and Drafting Laboratory	2012	IPR Cell/Technology Transfer Centre		Facility Incharge Name	G.Karunakaran	0	Yes	No	Yes
					Facility Incharge Email	karunakaran.gkk@gmail.com				
					Facility Incharge Phone	6374767201				
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		Syed Ammal Engineering College			Educational Institute		1721420			
18	Soil Mechanics Laboratory	2012	IPR Cell/Technology Transfer Centre		Facility Incharge Name	T.Senbagam	0	Yes	No	Yes
					Facility Incharge Email	senbagamcivil@gmail.com				
					Facility Incharge Phone	9677585939				
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		Syed Ammal Engineering College			Educational Institute		679963			
19	Hydraulic Engineering Laboratory	2012	IPR Cell/Technology Transfer Centre		Facility Incharge Name	R.Vinodhini	0	Yes	No	Yes
					Facility Incharge Email	vinodhnicivil@gmail.com				
					Facility Incharge Phone	9894639792				
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		Syed Ammal Engineering College			Educational Institute		1153600			

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

20	Concrete and Highway Engineering Laboratory	2012	IPR Cell/Technology Transfer Centre		Facility Incharge Name	B.Bakya	0	Yes	No	Yes
					Facility Incharge Email	bakyasurya00@gmail.com				
					Facility Incharge Phone	9698048499				
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		Syed Ammal Engineering College			Educational Institute		924112			
21	Surveying Laboratory	2012	IPR Cell/Technology Transfer Centre		Facility Incharge Name	G.Rajeswari	0	Yes	No	Yes
					Facility Incharge Email	rajicivil3010@gmail.com				
					Facility Incharge Phone	6380822356				
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		Syed Ammal Engineering College			Educational Institute		988707			
22	Strength of Materials Laboratory	2012	IPR Cell/Technology Transfer Centre		Facility Incharge Name	K.Tharani	0	Yes	No	Yes
					Facility Incharge Email	karnathara@gmail.com				
					Facility Incharge Phone	8883198840				
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		Syed Ammal Engineering College			Educational Institute		1146493			

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

23	DBMS Lab	1998	IPR Cell/Technology Transfer Centre		<table border="1"> <tr> <td>Facility Incharge Name</td> <td>Mr G Saravananakumar</td> </tr> <tr> <td>Facility Incharge Email</td> <td>saravanna.exe@gmail.com</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>9710198074</td> </tr> </table>	Facility Incharge Name	Mr G Saravananakumar	Facility Incharge Email	saravanna.exe@gmail.com	Facility Incharge Phone	9710198074	0	Yes	No	Yes
Facility Incharge Name	Mr G Saravananakumar														
Facility Incharge Email	saravanna.exe@gmail.com														
Facility Incharge Phone	9710198074														
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				Syed Ammal Engineering College		Educational Institute		1484960							
24	Data Structure Lab	1998	IPR Cell/Technology Transfer Centre		<table border="1"> <tr> <td>Facility Incharge Name</td> <td>Mr. B. John Samuel</td> </tr> <tr> <td>Facility Incharge Email</td> <td>John_samuel@syedengg.ac.in</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>9486078181</td> </tr> </table>	Facility Incharge Name	Mr. B. John Samuel	Facility Incharge Email	John_samuel@syedengg.ac.in	Facility Incharge Phone	9486078181	0	Yes	No	Yes
Facility Incharge Name	Mr. B. John Samuel														
Facility Incharge Email	John_samuel@syedengg.ac.in														
Facility Incharge Phone	9486078181														
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				Syed Ammal Engineering College		Educational Institute		1485000							
25	Python Lab	1998	IPR Cell/Technology Transfer Centre		<table border="1"> <tr> <td>Facility Incharge Name</td> <td>Mr. J. Ragaventhiran</td> </tr> <tr> <td>Facility Incharge Email</td> <td>jragaventhiran@gmail.com</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>9791875842</td> </tr> </table>	Facility Incharge Name	Mr. J. Ragaventhiran	Facility Incharge Email	jragaventhiran@gmail.com	Facility Incharge Phone	9791875842	0	Yes	No	Yes
Facility Incharge Name	Mr. J. Ragaventhiran														
Facility Incharge Email	jragaventhiran@gmail.com														
Facility Incharge Phone	9791875842														
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				Syed Ammal Engineering College		Educational Institute		1485000							

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

26	Communication Lab	1998	IPR Cell/Technology Transfer Centre		<table border="1"> <tr> <td>Facility Incharge Name</td> <td>Mr. M. H. Anand babu</td> </tr> <tr> <td>Facility Incharge Email</td> <td>mhana dbabu @gmai l.com</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>95977 66993</td> </tr> </table>	Facility Incharge Name	Mr. M. H. Anand babu	Facility Incharge Email	mhana dbabu @gmai l.com	Facility Incharge Phone	95977 66993	0	Yes	No	Yes
Facility Incharge Name	Mr. M. H. Anand babu														
Facility Incharge Email	mhana dbabu @gmai l.com														
Facility Incharge Phone	95977 66993														
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				Syed Ammal Engineering College		Educational Institute		1315025							
27	Multi Testing Engine at Thermal Engineering Lab	2020	IPR Cell/Technology Transfer Centre	MODERNISATION AND REMOVAL OF OBSOLESCENCE (MODROBS)	<table border="1"> <tr> <td>Facility Incharge Name</td> <td>Dr. S. Karthik eyan</td> </tr> <tr> <td>Facility Incharge Email</td> <td>skarthi keya74 @gmai l.com</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>98435 20062</td> </tr> </table>	Facility Incharge Name	Dr. S. Karthik eyan	Facility Incharge Email	skarthi keya74 @gmai l.com	Facility Incharge Phone	98435 20062	0	Yes	No	Yes
Facility Incharge Name	Dr. S. Karthik eyan														
Facility Incharge Email	skarthi keya74 @gmai l.com														
Facility Incharge Phone	98435 20062														
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				Syed Ammal Engineering College		Educational Institute		1000000							
28	Signal Processing Lab	2000	IPR Cell/Technology Transfer Centre		<table border="1"> <tr> <td>Facility Incharge Name</td> <td>Mr.S.P raveen Samuel Washburn</td> </tr> <tr> <td>Facility Incharge Email</td> <td>pravee nsamu el@sy edeng g.ac.in</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>79048 79123</td> </tr> </table>	Facility Incharge Name	Mr.S.P raveen Samuel Washburn	Facility Incharge Email	pravee nsamu el@sy edeng g.ac.in	Facility Incharge Phone	79048 79123	0	Yes	No	Yes
Facility Incharge Name	Mr.S.P raveen Samuel Washburn														
Facility Incharge Email	pravee nsamu el@sy edeng g.ac.in														
Facility Incharge Phone	79048 79123														
Source of Grant / Fund				Agency Name		Agency Type		Total Grants / Funds Received by CoE Facility exists in Campus (In Rupees)							

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

29	Communication Lab	2000	IPR Cell/Technology Transfer Centre		Facility Incharge Name	Mrs. A.Vala narasi	0	Yes	No	Yes
					Facility Incharge Email	valanv az@sy edeng g.ac.in				
					Facility Incharge Phone	89033 54817				
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		Syed Ammal Engineering College			Educational Institute		9825272			
30	Microwave Lab	2000	IPR Cell/Technology Transfer Centre		Facility Incharge Name	Mr. J.Saku bar Sadiq	0	Yes	No	Yes
					Facility Incharge Email	sadiqja inulabi deen @syed engg.a c.in				
					Facility Incharge Phone	99429 15751				
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		Syed Ammal Engineering College			Educational Institute		2737512			
31	Electronics Lab	2000	IPR Cell/Technology Transfer Centre		Facility Incharge Name	Mr. B.Bab uMoha n	0	Yes	No	Yes
					Facility Incharge Email	babum ohan.b @syed engg.a c.in				
					Facility Incharge Phone	90805 79949				
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		Syed Ammal Engineering College			Educational Institute		1081725			

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

32	Project Lab	2000	IPR Cell/Technology Transfer Centre		Facility Incharge Name	Dr.S.M .H.Sithi Shham eem Fathim a	0	Yes	No	Yes
					Facility Incharge Email	shame em@s yeden gg.ac.i n				
					Facility Incharge Phone	63838 92654				
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				Syed Ammal Engineering College			Educational Institute		300000	

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	Multi Testing Engine at Thermal Engineering Lab	2020	Innovation Labs	MODERNISATION AND REMOVAL OF OBSOLESCENCE (MODROBS)	Facility Incharge Name Dr. S. Karthik eyan Facility Incharge Email skarthi keya74 @gmai l.com Facility Incharge Phone 98435 20062	0	Yes	No	No
2	Signal Processing Lab	2000	IPR Cell/Technology Transfer Centre		Facility Incharge Name Mr.S.P raveen Samue l Washb urn Facility Incharge Email pravee nsamu el@sy edeng g.ac.in Facility Incharge Phone 79048 79123	3	No	No	No

List the Incubation Facilities at the HEI (>= 1500 Sq. Ft. Floor Area)

3	Communication Lab	2000	IPR Cell/Technology Transfer Centre		<table border="1"> <tbody> <tr> <td>Facility Incharge Name</td> <td>Mrs. A.Vala narasi</td> </tr> <tr> <td>Facility Incharge Email</td> <td>valanvaz@syedengg.ac.in</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>8903354817</td> </tr> </tbody> </table>	Facility Incharge Name	Mrs. A.Vala narasi	Facility Incharge Email	valanvaz@syedengg.ac.in	Facility Incharge Phone	8903354817	2	No	No	No
Facility Incharge Name	Mrs. A.Vala narasi														
Facility Incharge Email	valanvaz@syedengg.ac.in														
Facility Incharge Phone	8903354817														
4	Microwave Lab	2000	IPR Cell/Technology Transfer Centre		<table border="1"> <tbody> <tr> <td>Facility Incharge Name</td> <td>Mr. J.Sakubar Sadiq</td> </tr> <tr> <td>Facility Incharge Email</td> <td>sadiqja inulabi deen @syedengg.ac.in</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>9942915751</td> </tr> </tbody> </table>	Facility Incharge Name	Mr. J.Sakubar Sadiq	Facility Incharge Email	sadiqja inulabi deen @syedengg.ac.in	Facility Incharge Phone	9942915751	2	No	No	No
Facility Incharge Name	Mr. J.Sakubar Sadiq														
Facility Incharge Email	sadiqja inulabi deen @syedengg.ac.in														
Facility Incharge Phone	9942915751														
5	Electronics Lab	2000	IPR Cell/Technology Transfer Centre		<table border="1"> <tbody> <tr> <td>Facility Incharge Name</td> <td>Mr. B.BabuMohan</td> </tr> <tr> <td>Facility Incharge Email</td> <td>babumohan.b @syedengg.ac.in</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>9080579949</td> </tr> </tbody> </table>	Facility Incharge Name	Mr. B.BabuMohan	Facility Incharge Email	babumohan.b @syedengg.ac.in	Facility Incharge Phone	9080579949	2	No	No	No
Facility Incharge Name	Mr. B.BabuMohan														
Facility Incharge Email	babumohan.b @syedengg.ac.in														
Facility Incharge Phone	9080579949														
6	Project Lab	2000	IPR Cell/Technology Transfer Centre		<table border="1"> <tbody> <tr> <td>Facility Incharge Name</td> <td>Dr.S.M .H.Sithi Shham eem Fathima</td> </tr> <tr> <td>Facility Incharge Email</td> <td>shameem@syedengg.ac.in</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>6383892654</td> </tr> </tbody> </table>	Facility Incharge Name	Dr.S.M .H.Sithi Shham eem Fathima	Facility Incharge Email	shameem@syedengg.ac.in	Facility Incharge Phone	6383892654	2	No	No	No
Facility Incharge Name	Dr.S.M .H.Sithi Shham eem Fathima														
Facility Incharge Email	shameem@syedengg.ac.in														
Facility Incharge Phone	6383892654														

List the Incubation Facilities at the HEI (>= 1500 Sq. Ft. Floor Area)

7	Electrical Machines Laboratory	1998	IPR Cell/Technology Transfer Centre		Facility Incharge Name	Dr.G.S .Naganathan	0	No	No	Yes
					Facility Incharge Email	gsn@syedenng.ac.in				
					Facility Incharge Phone	9865144965				
Source of Grant / Fund		Agency Name			Agency Type		Total Grants / Funds Received by Incubation Facility exists in Campus (In Rupees)			
Institute's Own Fund / Resource		Syed Ammal Engineering College			Educational Institute		16122721			
8	Power Electronics Laboratory	1998	IPR Cell/Technology Transfer Centre		Facility Incharge Name	Dr.S.Ai swarya	0	No	No	Yes
					Facility Incharge Email	sa@syedeng.ac.in				
					Facility Incharge Phone	9488006122				
Source of Grant / Fund		Agency Name			Agency Type		Total Grants / Funds Received by Incubation Facility exists in Campus (In Rupees)			
9	Instrumentation &Control system Laboratory	1998	IPR Cell/Technology Transfer Centre		Facility Incharge Name	Dr.M.Senthilkumar	0	No	No	Yes
					Facility Incharge Email	mnen82@syedengg.ac.in				
					Facility Incharge Phone	9994577576				
Source of Grant / Fund		Agency Name			Agency Type		Total Grants / Funds Received by Incubation Facility exists in Campus (In Rupees)			

List the Incubation Facilities at the HEI (>= 1500 Sq. Ft. Floor Area)

10	Computer and Embedded systems Laboratory	2012	IPR Cell/Technology Transfer Centre		Facility Incharge Name	Mr.T.Arun Prasad	0	No	No	Yes
					Facility Incharge Email	arunprasath@syedengg.ac.in				
					Facility Incharge Phone	8124391621				
Source of Grant / Fund				Agency Name			Agency Type		Total Grants / Funds Received by Incubation Facility exists in Campus (In Rupees)	
11	Project Laboratory	2016	IPR Cell/Technology Transfer Centre		Facility Incharge Name	Mr.M.Paul Jeyaraj	0	No	No	Yes
					Facility Incharge Email	mpj@syedengg.ac.in				
					Facility Incharge Phone	8940467896				
Source of Grant / Fund				Agency Name			Agency Type		Total Grants / Funds Received by Incubation Facility exists in Campus (In Rupees)	
12	Environmental Engineering Laboratory	2012	IPR Cell/Technology Transfer Centre		Facility Incharge Name	G.Manikandan	0	No	No	No
					Facility Incharge Email	maniganesan.civil@gmail.com				
					Facility Incharge Phone	8940718701				
Source of Grant / Fund				Agency Name			Agency Type		Total Grants / Funds Received by Incubation Facility exists in Campus (In Rupees)	
13	Computer Aided Design and Drafting Laboratory	2012	IPR Cell/Technology Transfer Centre		Facility Incharge Name	G.Karunakaran	0	No	No	No
					Facility Incharge Email	karunakaran.gkk@gmail.com				
					Facility Incharge Phone	6374767201				
Source of Grant / Fund				Agency Name			Agency Type		Total Grants / Funds Received by Incubation Facility exists in Campus (In Rupees)	

List the Incubation Facilities at the HEI (>= 1500 Sq. Ft. Floor Area)

14	Soil Mechanics Laboratory	2012	IPR Cell/Technology Transfer Centre		<table border="1"> <tr> <td>Facility Incharge Name</td> <td>T.Senbagam</td> </tr> <tr> <td>Facility Incharge Email</td> <td>senbagamcivil@gmail.com</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>9677585939</td> </tr> </table>	Facility Incharge Name	T.Senbagam	Facility Incharge Email	senbagamcivil@gmail.com	Facility Incharge Phone	9677585939	0	No	No	No
Facility Incharge Name	T.Senbagam														
Facility Incharge Email	senbagamcivil@gmail.com														
Facility Incharge Phone	9677585939														
15	Hydraulic Engineering Laboratory	2012	IPR Cell/Technology Transfer Centre		<table border="1"> <tr> <td>Facility Incharge Name</td> <td>R.Vinodhini</td> </tr> <tr> <td>Facility Incharge Email</td> <td>vinodhnicivil@gmail.com</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>9894639792</td> </tr> </table>	Facility Incharge Name	R.Vinodhini	Facility Incharge Email	vinodhnicivil@gmail.com	Facility Incharge Phone	9894639792	0	No	No	No
Facility Incharge Name	R.Vinodhini														
Facility Incharge Email	vinodhnicivil@gmail.com														
Facility Incharge Phone	9894639792														
16	Concrete and Highway Engineering Laboratory	2012	IPR Cell/Technology Transfer Centre		<table border="1"> <tr> <td>Facility Incharge Name</td> <td>B.Bakya</td> </tr> <tr> <td>Facility Incharge Email</td> <td>bakyasurya00@gmail.com</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>9698048499</td> </tr> </table>	Facility Incharge Name	B.Bakya	Facility Incharge Email	bakyasurya00@gmail.com	Facility Incharge Phone	9698048499	0	No	No	No
Facility Incharge Name	B.Bakya														
Facility Incharge Email	bakyasurya00@gmail.com														
Facility Incharge Phone	9698048499														
17	Surveying Laboratory	2012	IPR Cell/Technology Transfer Centre		<table border="1"> <tr> <td>Facility Incharge Name</td> <td>G.Rajeswari</td> </tr> <tr> <td>Facility Incharge Email</td> <td>rajicivil3010@gmail.com</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>6380822356</td> </tr> </table>	Facility Incharge Name	G.Rajeswari	Facility Incharge Email	rajicivil3010@gmail.com	Facility Incharge Phone	6380822356	0	No	No	No
Facility Incharge Name	G.Rajeswari														
Facility Incharge Email	rajicivil3010@gmail.com														
Facility Incharge Phone	6380822356														

List the Incubation Facilities at the HEI (>= 1500 Sq. Ft. Floor Area)

18	Strength of Materials Laboratory	2012	IPR Cell/Technology Transfer Centre		<table border="1"> <tr> <td>Facility Incharge Name</td> <td>K.Tharani</td> </tr> <tr> <td>Facility Incharge Email</td> <td>karnathara@gmail.com</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>8883198840</td> </tr> </table>	Facility Incharge Name	K.Tharani	Facility Incharge Email	karnathara@gmail.com	Facility Incharge Phone	8883198840	0	No	No	No
Facility Incharge Name	K.Tharani														
Facility Incharge Email	karnathara@gmail.com														
Facility Incharge Phone	8883198840														
19	DBMS Lab	1998	IPR Cell/Technology Transfer Centre		<table border="1"> <tr> <td>Facility Incharge Name</td> <td>Mr G Saravananumar</td> </tr> <tr> <td>Facility Incharge Email</td> <td>saravanna.exe@gmail.com</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>9710198074</td> </tr> </table>	Facility Incharge Name	Mr G Saravananumar	Facility Incharge Email	saravanna.exe@gmail.com	Facility Incharge Phone	9710198074	0	No	No	No
Facility Incharge Name	Mr G Saravananumar														
Facility Incharge Email	saravanna.exe@gmail.com														
Facility Incharge Phone	9710198074														
20	Data Structure Lab	1998	IPR Cell/Technology Transfer Centre		<table border="1"> <tr> <td>Facility Incharge Name</td> <td>Mr. B. John Samuel</td> </tr> <tr> <td>Facility Incharge Email</td> <td>John_samuel@syedengg.ac.in</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>9486078181</td> </tr> </table>	Facility Incharge Name	Mr. B. John Samuel	Facility Incharge Email	John_samuel@syedengg.ac.in	Facility Incharge Phone	9486078181	0	No	No	No
Facility Incharge Name	Mr. B. John Samuel														
Facility Incharge Email	John_samuel@syedengg.ac.in														
Facility Incharge Phone	9486078181														
21	Python Lab	1998	IPR Cell/Technology Transfer Centre		<table border="1"> <tr> <td>Facility Incharge Name</td> <td>Mr. J. Ragaventhiran</td> </tr> <tr> <td>Facility Incharge Email</td> <td>jragaventhiran@gmail.com</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>9791875842</td> </tr> </table>	Facility Incharge Name	Mr. J. Ragaventhiran	Facility Incharge Email	jragaventhiran@gmail.com	Facility Incharge Phone	9791875842	0	No	No	No
Facility Incharge Name	Mr. J. Ragaventhiran														
Facility Incharge Email	jragaventhiran@gmail.com														
Facility Incharge Phone	9791875842														

List the Incubation Facilities at the HEI (>= 1500 Sq. Ft. Floor Area)

22	Communication Lab	1998	IPR Cell/Technology Transfer Centre		<table border="1"> <tr> <td>Facility Incharge Name</td> <td>Mr. M. H. Anand babu</td> </tr> <tr> <td>Facility Incharge Email</td> <td>mhana dbabu @gmail.com</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>95977 66993</td> </tr> </table>	Facility Incharge Name	Mr. M. H. Anand babu	Facility Incharge Email	mhana dbabu @gmail.com	Facility Incharge Phone	95977 66993	0	No	No	No
Facility Incharge Name	Mr. M. H. Anand babu														
Facility Incharge Email	mhana dbabu @gmail.com														
Facility Incharge Phone	95977 66993														
23	Enhancing the understanding skills of students in the Electrical Drives arena through modernization of Electrical Machines Laboratory	2001	Centre of Excellence with Advance Tools	MODROBS	<table border="1"> <tr> <td>Facility Incharge Name</td> <td>Dr.S.S elvaperumal</td> </tr> <tr> <td>Facility Incharge Email</td> <td>selvap erumal @syed engg.a c.in</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>99407 90400</td> </tr> </table>	Facility Incharge Name	Dr.S.S elvaperumal	Facility Incharge Email	selvap erumal @syed engg.a c.in	Facility Incharge Phone	99407 90400	12	Yes	No	Yes
Facility Incharge Name	Dr.S.S elvaperumal														
Facility Incharge Email	selvap erumal @syed engg.a c.in														
Facility Incharge Phone	99407 90400														
Source of Grant / Fund		Agency Name			Agency Type		Total Grants / Funds Received by Incubation Facility exists in Campus (In Rupees)								

List the Innovation Park/Research Park Facilities at the HEI (>= 5000 Sq. Ft. Floor Area)

Srno	Name of Innovation Park/Research Park Facility	Year of Establishment	Innovation Park / Research Park with Access to Other I & E Facilities at the HEI	Name of the Funding Schemes Available with Research/Innovation Park, if any (Optional)	Facility Details	Total Nos of Dedicated Executive/Management team Strength Engaged at the Facility	Had the Research Park/Innovation Park Provided any Funding Support for Idea/Prototype/Innovation Development and implementation during the Financial Year 2019-20?	Had institute Generated Income either from Services Offered by Research Park/Innovation Park?	Had the Research Park/Innovation Park Provided any Funding Support for Idea/Prototype/Innovation/Start up/Venture Development and implementation during the Financial Year 2019-20?						
1	Syed Ammal Engineering College - Research and Development Cell	2012	Centre of Excellence with Advance Tools	SAEC R& D Scheme, Research Promotion Scheme and MODROBS Scheme	<table border="1"> <tr> <td>Facility Incharge Name</td> <td>Dr.S.S elvaperumal</td> </tr> <tr> <td>Facility Incharge Email</td> <td>selvap erumal @syed engg.a c.in</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>99407 90400</td> </tr> </table>	Facility Incharge Name	Dr.S.S elvaperumal	Facility Incharge Email	selvap erumal @syed engg.a c.in	Facility Incharge Phone	99407 90400	10	Yes	No	Yes
Facility Incharge Name	Dr.S.S elvaperumal														
Facility Incharge Email	selvap erumal @syed engg.a c.in														
Facility Incharge Phone	99407 90400														
Source of Grant / Fund		Agency Name			Agency Type		Total Grants / Funds Received by Incubation Facility exists in Campus (In Rupees)								
-		-			-		0								

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	SAEC IPR Cell	2014	Centre of Excellence with Advance Tools		<table border="1"> <tr> <td>Facility Incharge Name</td> <td>Dr.S.S elvaperumal</td> </tr> <tr> <td>Facility Incharge Email</td> <td>selvaperumal@syedengg.ac.in</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>82483 21934</td> </tr> </table>	Facility Incharge Name	Dr.S.S elvaperumal	Facility Incharge Email	selvaperumal@syedengg.ac.in	Facility Incharge Phone	82483 21934	10	No	No	No
Facility Incharge Name	Dr.S.S elvaperumal														
Facility Incharge Email	selvaperumal@syedengg.ac.in														
Facility Incharge Phone	82483 21934														

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	Mr. T. Dharmaprabakaran	Assistant Professor	Idea/Innovation Development	3
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	Design and fabrication of Hybrid Oxy-Hydrogen Cell		Within	
2	Mr. R. Raja	Associate Professor	Idea/Innovation Development	10
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	Design and Fabrication of Fire Extinguishing Robot		Within	
3	Dr. K. Senthil Kumar	Professor	Idea/Innovation Development	10
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	Tribological and Mechanical Behaviour of Aluminium 7075 MMC		Within	
4	Mr. B. Koodalingam	Assistant Professor	Idea/Innovation Development	4
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	Design and Fabrication of Self-Balancing E-Bike Using Mono Wheel		Within	
5	Mr. S. Rajesh Babu	Associate Professor	Idea/Innovation Development	11
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	Design and Conception of Arduino Based Quadruped Robot		Within	

Provide detail list of Faculties as Mentor to help Ideas/Innovations/Startups

6	Mr. K. Kalaimurugan	Assistant Professor	Idea/Innovation Development	3
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	Tribological Testing of Waste Plastic Oil Blend Using Pin on Disc		Within	
7	Mr. K. Kalaimurugan	Assistant Professor	Idea/Innovation Development	3
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	Design and Fabrication of Flipper Arm Mechanism Based Rescue Robot		Within	
8	Mr. T. Dharmaprabakaran	Assistant Professor	Idea/Innovation Development	3
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	Design and Fabrication of Automatic Sprinkler Robot		Within	
9	Mr. G. Sabari Narayanan	Assistant Professor	Idea/Innovation Development	6
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	Design and Fabrication of Plasma Arc Furnace		Within	
10	Mr. C. Thirugnanam	Assistant Professor	Idea/Innovation Development	8
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	Design and Implementation of Surveillance Quadcopter (UAV) with IOT Technology		Within	
11	Dr. S. Karthikeyan	Professor	Idea/Innovation Development	20
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	Design and Fabrication of Automatic Floor Cleaning Robot		Within	
12	Dr. D. Somasundaram	Associate Professor	Idea/Innovation Development	10
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	Automatic Drilling Cobot		Within	
13	Dr. D. Somasundaram	Associate Professor	Idea/Innovation Development	10
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	Design Analysis and Fabrication of Exhaust System for formula-SAE Vehicle		Within	
14	Dr. S. Karthikeyan	Professor	Idea/Innovation Development	20

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)
	Design and Fabrication of Trash Collecting Robot		Within	
15	Mr. C. Thirugnanam	Assistant Professor	Idea/Innovation Development	8
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	Combustion and Emission Analysis of Biodiesel (Palm seed oil) with Nickel Oxide Nanoparticle		Within	
16	Mr. T. Dharmaprabakaran	Assistant Professor	Idea/Innovation Development	3
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	Tribological Testing of Palm Seed Biodiesel Using Pin on Disc		Within	
17	Mr. S.M. Sutharsan	Assistant Professor	Idea/Innovation Development	5
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	Bluetooth Controlled Car Cleaning Robot for Industrial Application		Within	
18	Mr. P. Senthil Kumar	Assistant Professor	Idea/Innovation Development	4
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	Conversion of Two stroke to Electrical Bike		Within	
19	Mr. S.M. Sutharsan	Assistant Professor	Idea/Innovation Development	5
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	Automatic Seeding Robot		Within	
20	Dr. N. Karthikeyan	Professor	Idea/Innovation Development	5
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	Healthcare		Within	
21	Dr. B. Muthu Kumar	Professor	Idea/Innovation Development	5
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	IOT		Within	
22	Dr. T. B. Sivakumar	Assistant professor	Idea/Innovation Development	4
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	Cloud Computing		Within	

Provide detail list of Faculties as Mentor to help Ideas/Innovations/Startups

23	Dr. S. Hasan Hussain	Associate Professor	Idea/Innovation Development	4
Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI		CIN (in case it is Startup)
IOT		Within		

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.Ammasai Gounden	Entrepreneurship/Startup Development	Unstructured Mentorship

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	A Study on Quality Of Work Life among employees in Asian Building Materials Pvt,Ltd	Process Innovation	Technological	Syed Ammal Engineering College	Student-Faculty	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	Innovation Development Ongoing	No	No	No	No	No
				Name		Type		Gender		Email		Contact	
				Dr.Meikandaganeshkumar		Faculty		Male		meiganesh@gmail.com		7010433257	
				Name		Type		Gender		Email		Contact	
				H. Abdul thameem		Student		Male		thameembs1@gmail.com		9600717142	

2	A study on employee's stress management in HCL technologies, Madurai	Process Innovation	Technological	Syed Ammal Engineering College	Student-Faculty	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	Innovation Development Ongoing	No	No	No	No	No
	Name		Type		Gender		Email		Contact				
	Dr.R.Meikandaganeshkumar		Faculty		Male		meiganesh@gmail.com		7010433257				
	Name		Type		Gender		Email		Contact				
S. Aslina Juhi Rasool		Student		Female		aslinajuhi@gmail.com		9003808333					
3	A study on the effectiveness of performance Appraisal in Hiranmayee rubber industry, Madurai	Management Process	Technological	Syed Ammal Engineering College	Student-Faculty	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	Innovation Development Ongoing	No	No	No	No	No
	Name		Type		Gender		Email		Contact				
	Dr.R.Meikandaganeshkumar		Faculty		Male		meiganesh@gmail.com		7010433257				
	Name		Type		Gender		Email		Contact				
M. Geethalakshmi		Student		Female		gethalashmi271@gmail.com		98944710790					
4	A study on financial performance using Ratio analysis in Rengan Electric industry, Paramakudi	Management Process	Technological	Syed Ammal Engineering College	Student-Faculty	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	Innovation Development Ongoing	No	No	No	No	No
	Name		Type		Gender		Email		Contact				
	Dr.K.Jeyabalan		Faculty		Male		sknjeyabalan@gmail.com		9443861545				
	Name		Type		Gender		Email		Contact				
M. Gunaiswarya		Student		Female		19mba04@syedengg.ac.in		9952195240					

5	A study on financial performance of urban bank, Paramakudi	Management Process	Technological	Syed Ammal Engineering College	Student-Faculty	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	Innovation Development Ongoing	No	No	No	No	No
	Name		Type			Gender		Email			Contact		
	Dr.K.Jeyabalan		Faculty			Male		sknjeyabalan@gmail.com			9443861545		
	Name		Type			Gender		Email			Contact		
K. Kalaivani		Student			Female		19mba05@syedengg.ac.in			6379194057			
6	A study on CAMEL analysis in district central cooperative bank, Ramanathapuram (chitturkottai branch)	Management Process	Technological	Syed Ammal Engineering College	Student-Faculty	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	Innovation Development Ongoing	No	No	No	No	No
	Name		Type			Gender		Email			Contact		
	Dr.K.Jeyabalan		Faculty			Male		sknjeyabalan@gmail.com			9443861545		
	Name		Type			Gender		Email			Contact		
S. Karpagapriya		Student			Female		karpagapriya001@gmail.com			9360868392			
7	A Study on Financial performance in M.S.S Engineering Services Ramanathapuram	Management Process	Technological	Syed Ammal Engineering College	Student-Faculty	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	Innovation Development Ongoing	No	No	No	No	No
	Name		Type			Gender		Email			Contact		
	Dr.K.Jeyabalan		Faculty			Male		sknjeyabalan@gmail.com			9443861545		
	Name		Type			Gender		Email			Contact		
P. Kodieswari		Student			Male		p.kodieswari1998@gmail.com			9943744809			

8	A study on the employee work life balance of Winbrand export, Thirupur	Management Process	Technological	Syed Ammal Engineering College	Student-Faculty	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	Innovation Development Ongoing	No	No	No	No	No
	Name		Type			Gender		Email			Contact		
	M.Gayathri		Faculty			Female		gayukrish1703@gmail.com			8056811486		
	Name		Type			Gender		Email			Contact		
K.Mathan kumar		Student			Male		mathan1999.km@gmail.com			7010942724			
9	A Study on Employee Absenteeism in Pioneer	Management Process	Technological	Syed Ammal Engineering College	Student-Faculty	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	Innovation Development Ongoing	No	No	No	No	No
	Name		Type			Gender		Email			Contact		
	S.Subhashree		Faculty			Female		subashree2096@gmail.com			9944739081		
	Name		Type			Gender		Email			Contact		
A. Mohamed Faizan		Student			Male		mohamedfaizan713@gmail.com			8122819425			
10	A Study on Employee Morale in Anbu TVS,Ramanathapuram	Management Process	Technological	Syed Ammal Engineering College	Student-Faculty	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	Innovation Development Ongoing	No	No	No	No	No
	Name		Type			Gender		Email			Contact		
	S.Subhashree		Faculty			Female		subashree2096@gmail.com			9944739081		
	Name		Type			Gender		Email			Contact		
D. Paramasivam		Student			Male		paramasivam8715@gmail.com			9025196907			

11	A study on employee retention in TVS & sons private ltd, Madurai	Management Process	Technological	Syed Ammal Engineering College	Student-Faculty	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	Innovation Development Ongoing	No	No	No	No	No
Name		Type			Gender			Email			Contact		
S.Subhashree		Faculty			Female			subashree2096@gmail.com			9944739081		
Name		Type			Gender			Email			Contact		
M. Parameshwari		Student			Female			paramimayil1713@gmail.com			9384290486		
12	A study on analysis of marketing strategy towards Hiranmaye rubber industry, Madurai	Management Process	Technological	Syed Ammal Engineering College	Student-Faculty	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	Innovation Development Ongoing	No	No	No	No	No
Name		Type			Gender			Email			Contact		
K.Veerabrintha		Faculty			Female			veerabrintha@syedengg.ac.in			8056775210		
Name		Type			Gender			Email			Contact		
P. Poojasri		Student			Female			poojasripanikumar948@gmail.com			7548885850		
13	A study on training and development of employees in Sree vidhya rubber industry pvt ltd, Madurai	Management Process	Technological	Syed Ammal Engineering College	Student-Faculty	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	Innovation Development Ongoing	No	No	No	No	No
Name		Type			Gender			Email			Contact		
K.Veerabrintha		Faculty and Student			Female			veerabrintha@syedengg.ac.in			8220549493		
Name		Type			Gender			Email			Contact		
S. Priyanka		Student			Female			priyankar321@gmail.com			9488060418		

14	A study on the gender equality of workplace in Bargavee rubber industry, madurai	Management Process	Technological	Syed Ammal Engineering College	Student-Faculty	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	Innovation Development Ongoing	No	No	No	No	No
Name		Type			Gender			Email			Contact		
K.Veerabrintha		Faculty			Female			veerabrintha@syedengg.ac.in			8220549493		
Name		Type			Gender			Email			Contact		
K. Raja preethi		Student			Female			preethikannan784@gmail.com			9787219399		
15	A study on the customer satisfaction among customers in Vasanth&co, Ramanathapuram	Management Process	Technological	Syed Ammal Engineering College	Student-Faculty	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	Innovation Development Ongoing	No	No	No	No	No
Name		Type			Gender			Email			Contact		
K.Veerabrintha		Faculty			Female			veerabrintha@syedengg.ac.in			8220549493		
Name		Type			Gender			Email			Contact		
K. Ranjith		Student			Male			redmiranjith9080@gmail.com			9080476528		
16	A study on customer loyalty in Hiranmaye rubber industry, Madurai.	Management Process	Technological	Syed Ammal Engineering College	Student-Faculty	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	Innovation Development Ongoing	No	No	No	No	No
Name		Type			Gender			Email			Contact		
M.Gayathri		Faculty			Female			gayukrish1703@gmail.com			8056811486		
Name		Type			Gender			Email			Contact		
S.K Soundarya devi		Student			Female			soundaryadevisk@gmail.com			6381068060		

17	A Study on the labour welfare measures in OMEGA 3 fresh company, Mandapam	Management Process	Technological	Syed Ammal Engineering College	Student-Faculty	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	Innovation Development Ongoing	No	No	No	No	No
Name		Type			Gender			Email			Contact		
M.Gayathri		Faculty			Female			gayukrish1703@gmail.com			8056811486		
Name		Type			Gender			Email			Contact		
T. Tharsika		Student			Female			tharshika@gmail.com			8248410035		
18	A study on changing customer perception towards phoenix marketing, madurai	Management Process	Technological	Syed Ammal Engineering College	Student-Faculty	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	Innovation Development Ongoing	No	No	No	No	No
Name		Type			Gender			Email			Contact		
M.Gayathri		Faculty			Female			gayukrish1703@gmail.com			8056811486		
Name		Type			Gender			Email			Contact		
B.Thillaimuneeshwaran		Student			Male			thillaimuneesh1999@gmail.com			8248676651		
19	A study on financial analysis and working capital management of jaya lathe work private limited	Management Process	Technological	Syed Ammal Engineering College	Student-Faculty	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	Innovation Development Ongoing	No	No	No	No	No
Name		Type			Gender			Email			Contact		
Dr.K.Jeyabalan		Faculty			Male			sknjeyabalan@gmail.com			9443861545		
Name		Type			Gender			Email			Contact		
S. Vinoba		Student			Female			vaishusaravanan24@gmail.com			9486442537		

20	Experimental Study on Calcium nitrate as a corrosion inhibitor in concrete	Process Innovation	Technological	Syed Ammal Engineering College	Student-Faculty	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	Innovation Development Ongoing	No	No	No	No	No
Name		Type			Gender		Email			Contact			
Ms.I.Jaambavi		Faculty			Female		jaambavilango@mail.com			9942097809			
Name		Type			Gender		Email			Contact			
S.Afreen		Student			Female		afreenaafrii1923@gmail.com			7358857855			
21	A comparative study on stabilization of red soil and black cotton soil using copper slag	Process Innovation	Technological	Syed Ammal Engineering College	Student-Faculty	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	Innovation Development Ongoing	No	No	No	No	No
Name		Type			Gender		Email			Contact			
Ms.J.Esther baby		Faculty			Female		jestherbaby90@gmail.com			8675588890			
Name		Type			Gender		Email			Contact			
A.Farhana		Student			Female		fathimasaheeba@gmail.com			8667799646			
22	Deflouridtaion of water by using tamarind seed, peepal leaf and drumstick seed as a water clarifier	Process Innovation	Technological	SyedAmmal Engineering College	Student-Faculty	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	Innovation Development Ongoing	No	No	No	No	No
Name		Type			Gender		Email			Contact			
Mrs.T.Senbagam		Faculty			Female		senbagambecivil@mail.com			9677585939			
Name		Type			Gender		Email			Contact			
R.Abinaya		Student			Female		abinayaramadoss09611@gmail.com			7092576822			

23	Investigation of concrete using Bamboo as a reinforcement	Process Innovation	Technological	Syed Ammal Engineering College	Student-Faculty	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	Innovation Development Ongoing	No	No	No	No	No
Name		Type			Gender		Email			Contact			
Ms.I.Jaambavi		Faculty			Female		jaambavilango@mail.com			9942097809			
Name		Type			Gender		Email			Contact			
S.Harish kanna		Student			Male		harishkanna895@gmail.com			9442638646			
24	An laboratory investigation of Black cotton soil stabilized with sea shell powder	Process Innovation	Technological	Syed Ammal Engineering College	Student-Faculty	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	Innovation Development Ongoing	No	No	No	No	No
Name		Type			Gender		Email			Contact			
Mr.G.Karunakaran		Faculty			Male		karunakaran.gkk@gmail.com			6374767201			
Name		Type			Gender		Email			Contact			
M.Gopala Krishnan		Student			Male		gopalgreat2@gmail.com			7010268723			
25	Partial replacement of cement and fine aggregate by using fly ash and copper slag in cement bricks	Process Innovation	Technological	Syed Ammal Engineering College	Student-Faculty	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	Innovation Development Ongoing	No	No	No	No	No
Name		Type			Gender		Email			Contact			
Mr.G.Manikandan		Faculty			Male		maniganesan.civil@gmail.com			8940718071			
Name		Type			Gender		Email			Contact			
R.Sudharsan		Student			Male		srsutharsan@gmail.com			6383013177			

26	Using polypropylene fiber in reinforced cement concrete	Process Innovation	Technological	Syed Ammal Engineering College	Student-Faculty	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	Innovation Development Ongoing	No	No	No	No	No
Name		Type			Gender			Email			Contact		
Ms.K.Tharani		Faculty			Male			karnathara@gmail.com			8883198840		
Name		Type			Gender			Email			Contact		
A.Waliyutheen umar mukthar		Student			Male			umarsound05@gmail.com			9677807611		
27	Incorporation of recycled waste materials in concrete	Process Innovation	Technological	Syed Ammal Engineering College	Student-Faculty	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	Innovation Development Ongoing	No	No	No	No	No
Name		Type			Gender			Email			Contact		
Ms.T.Akshaya		Faculty			Female			akshaya@syedengg.ac.in			8428684503		
Name		Type			Gender			Email			Contact		
S.Mohamed Razik		Student			Male			mohamedrazikrazik19@gmail.com			9789731842		
28	Experimental investigation of bricks using foundry sand and Fly Ash	Process Innovation	Technological	Syed Ammal Engineering College	Student-Faculty	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	Innovation Development Ongoing	No	No	No	No	No
Name		Type			Gender			Email			Contact		
Ms.G.Rajeswari		Faculty			Female			rajig@syedengg.ac.in			6380822356		
Name		Type			Gender			Email			Contact		
Rishikesh T.B		Student			Male			tbr30929@gmail.com			6380874899		

29	Stabilization of Black Cotton soil with human hair fiber and lime	Process Innovation	Technological	Syed Ammal Engineering College	Student-Faculty	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	Innovation Development Ongoing	No	No	No	No	No
Name		Type			Gender		Email			Contact			
Ms.K.Tharani		Faculty			Female		karnathara@gmail.com			8883198840			
Name		Type			Gender		Email			Contact			
S.Radhashiyam		Student			Male		shiyamce2017@gmail.com			9962103100			
30	Development and Analysis of MPPT for PV System Under Fast Changing Irradiance	Process Innovation	Technological	Syed Ammal Engineering College	Student-Faculty	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	Innovation Development Ongoing	No	No	No	No	No
Name		Type			Gender		Email			Contact			
Mr .T. Arun prasath		Faculty			Male		arunprasath@syedengg.ac.in			8124391621			
Name		Type			Gender		Email			Contact			
Akbar Jahan J		Student			Male		akbarjahan2612@gmail.com			9597042145			
31	Maximum Power Utilization of PV Power Using Dual Axis Tracking System with Fuzzy Controller	Process Innovation	Technological	Syed Ammal Engineering College	Student-Faculty	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	Innovation Development Ongoing	No	No	No	No	No
Name		Type			Gender		Email			Contact			
Ms. G. Abinaya		Faculty			Female		ga@syedengg.ac.in			8220544665			
Name		Type			Gender		Email			Contact			
Lingesh Kumar S		Student			Male		sakthilingesh3333@gmail.com			9629205856			

32	Design and Implementation of Automatic Change Over Using PLC	Process Innovation	Technological	Syed Ammal Engineering College	Student-Faculty	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	Innovation Development Ongoing	No	No	No	No	No
Name		Type			Gender		Email			Contact			
Mr. M. Paul Jeyaraj		Faculty			Male		mpj@syedengg.ac.in			8940467896			
Name		Type			Gender		Email			Contact			
Mohamed Sayeed Anwar J		Student			Male		sayeed.a51999@gmail.com			7094739811			
33	Development of Aquabattery Using Water and Table Salt	Process Innovation	Technological	Syed Ammal Engineering College	Student-Faculty	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	Innovation Development Ongoing	No	No	No	No	No
Name		Type			Gender		Email			Contact			
Dr. M. Senthilkumar		Faculty			Male		msen82@syedengg.ac.in			9994577576			
Name		Type			Gender		Email			Contact			
Karthik K		Student			Male		karthikdeepan06@gmail.com			9943023976			
34	Power Factor Improvement in BLDC Motor Drive Using SEPIC Converter	Process Innovation	Technological	Syed Ammal Engineering College	Student-Faculty	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	Innovation Development Ongoing	No	No	No	No	No
Name		Type			Gender		Email			Contact			
Dr. S. Aiswariya		Faculty			Female		sa@syedengg.ac.in			9488006122			
Name		Type			Gender		Email			Contact			
Rajarajan A		Student			Male		rajarajan3354586@gmail.com			7339260513			

35	IOT Based water Level Monitoring System	Process Innovation	Technological	Syed Ammal Engineering College	Student-Faculty	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	Innovation Development Ongoing	No	No	No	No	No
Name		Type			Gender			Email			Contact		
Mr. P. Gnanaskanda Parthiban		Faculty			Male			pgp@syedengg.ac.in			9486651508		
Name		Type			Gender			Email			Contact		
Reshman Sihapathi P		Student			Male			arreshman@gmail.com			7708607369		
36	A Fuzzy Logic based Irrigation Management System	Process Innovation	Technological	Syed Ammal Engineering College	Student-Faculty	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	Innovation Development Ongoing	No	No	No	No	No
Name		Type			Gender			Email			Contact		
Dr. G. S. Naganathan		Faculty			Male			gsn@syedengg.ac.in			9865144965		
Name		Type			Gender			Email			Contact		
Ruba Devi S		Student			Female			ruba3171998@gmail.com			8838548300		
37	Efficiency Enhancement of Dual Input Photovoltaic System	Process Innovation	Technological	Syed Ammal Engineering College	Student-Faculty	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	Innovation Development Ongoing	No	No	No	No	No
Name		Type			Gender			Email			Contact		
Dr. S. Muthulakshmi		Faculty			Female			sml@syedengg.ac.in			8903830888		
Name		Type			Gender			Email			Contact		
Malavika K		Student			Female			malavikakumar99@gmail.com			9585877240		

38	Land slide detection and prevention system	Process Innovation	Technological	Syed Ammal Engineering College	Student-Faculty	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	Innovation Development Ongoing	No	No	No	No	No
	Name		Type		Gender		Email			Contact			
	Dr. G. Mahendran		Faculty		Male		ecehod@syedengg.ac.in			9994205270			
	Name		Type		Gender		Email			Contact			
S.D. Afrin Afsana		Student		Female		afsana7398@gmail.com			7904740616				
39	Autonomous firefighting Robot	Process Innovation	Technological	Syed Ammal Engineering College	Student-Faculty	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	Innovation Development Ongoing	No	No	No	No	No
	Name		Type		Gender		Email			Contact			
	Mr. B. Babumohan		Faculty		Male		babumohan.b@gmail.com			9080579949			
	Name		Type		Gender		Email			Contact			
G. Shobana Sree		Student		Female		shobanasree07@gmail.com			8220780084				
40	Smart Auditorium	Process Innovation	Technological	Syed Ammal Engineering College	Student-Faculty	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	Innovation Development Ongoing	No	No	No	No	No
	Name		Type		Gender		Email			Contact			
	Dr. S. M. H. Sithi Shameem Fathima		Faculty		Female		shameem@syedengg.ac.in			9842469589			
	Name		Type		Gender		Email			Contact			
J.T. Sivaranjani		Student		Female		sivaranjanijt@gmail.com			9043605948				

41	IOT Based Home Security System	Process Innovation	Technological	Syed Ammal Engineering College	Student-Faculty	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	Innovation Development Ongoing	No	No	No	No	No
	Name		Type		Gender		Email			Contact			
	Mr. G .Arunmani		Faculty		Male		arungandhimnm@gmail.com			9677530763			
	Name		Type		Gender		Email			Contact			
S. Soniya		Student		Female		sonadhiya300@gmail.com			9524291057				
42	Bus identification for visually impaired people using RFID	Process Innovation	Technological	Syed Ammal Engineering College	Student-Faculty	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	Innovation Development Ongoing	No	No	No	No	No
	Name		Type		Gender		Email			Contact			
	Dr. S. Murugeswari		Faculty		Female		murugeskabilan@gmail.com			9942042076			
	Name		Type		Gender		Email			Contact			
A.Hamitha Reshma		Student		Female		hamithareshma@gamil.com			7373071148				
43	Multipurpose hand gestures using flex sensors	Process Innovation	Technological	Syed Ammal Engineering College	Student-Faculty	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	Innovation Development Ongoing	No	No	No	No	No
	Name		Type		Gender		Email			Contact			
	Mr. J. Sakubar sadiq		Faculty		Male		sadiqwajdh@gmail.com			9942915751			
	Name		Type		Gender		Email			Contact			
A.Benazir Sabika		Student		Female		sabikabenazir@gmail.com			9688408089				

44	IOT based incubator monitoring	Process Innovation	Technological	Syed Ammal Engineering College	Student-Faculty	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	Innovation Development Ongoing	No	No	No	No	No
	Name		Type		Gender		Email			Contact			
	Dr. C. Priya		Faculty		Female		harinikpriya@gmail.com			9442044558			
	Name		Type		Gender		Email			Contact			
A. Habeba Ayesha		Student		Female		habebaayesha577@gmail.com			9443102796				
45	IOT Enabled combat ROBO	Process Innovation	Technological	Syed Ammal Engineering College	Student-Faculty	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	Innovation Development Ongoing	No	No	No	No	No
	Name		Type		Gender		Email			Contact			
	Mr. P. Ravivarma		Faculty		Male		ravivarmapadma@gmail.com			9843197344			
	Name		Type		Gender		Email			Contact			
A. Muralitharan		Student		Male		muralidharan.lm10@gmail.com			7867049534				
46	Students monitoring system using RFID	Process Innovation	Technological	Syed Ammal Engineering College	Student-Faculty	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	Innovation Development Ongoing	No	No	No	No	No
	Name		Type		Gender		Email			Contact			
	Dr. G. Mahendran		Faculty		Male		eعهد@syedengg.ac.in			9994205270			
	Name		Type		Gender		Email			Contact			
A.Rufus		Student		Female		rufussaec@gmail.com			9442858438				

47	Detection of Red Lesions to diagnose diabetic retinopathy using Embedded System	Process Innovation	Technological	Syed Ammal Engineering College	Student-Faculty	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	Innovation Development Ongoing	No	No	No	No	No
Name		Type			Gender			Email			Contact		
Mr. S. Praveen Samuel Washburn		Faculty			Male			praveensamuel@syedengg.ac.in			7904879123		
Name		Type			Gender			Email			Contact		
A.Harsan Selva Dhasan		Student			Male			harsanselvadhasan@gmail.com			9677547716		
48	GPS and GSM based self-defense system for women safety	Process Innovation	Technological	Syed Ammal Engineering College	Student-Faculty	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	Innovation Development Ongoing	No	No	No	No	No
Name		Type			Gender			Email			Contact		
Dr. S. Murugeswari		Faculty			Female			murugeskabilan@gmail.com			9942042076		
Name		Type			Gender			Email			Contact		
I. Shamili Devi		Student			Female			shamililango3010@gmail.com			9585566871		
49	Automatic Vehicle speed control using micro controller	Process Innovation	Technological	Syed Ammal Engineering College	Student-Faculty	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	Innovation Development Ongoing	No	No	No	No	No
Name		Type			Gender			Email			Contact		
Dr. N. Kirubanandasarathy		Faculty			Male			drnksarathy@gmail.com			9487524186		
Name		Type			Gender			Email			Contact		
G. Kowsalya		Student			Female			kowsalyasaec26@gmail.com			9442109501		

50	Crack detection system for railway track	Process Innovation	Technological	Syed Ammal Engineering College	Student-Faculty	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	Innovation Development Ongoing	No	No	No	No	No
Name		Type			Gender		Email			Contact			
Mrs. N. Karthika Devi		Faculty			Female		karthi46sakar@yahoo.co.in			9500805594			
Name		Type			Gender		Email			Contact			
S. Saranya		Faculty			Female		sarmsaqec6@gmail.com			9751305005			
51	Smart shopping trolley with automated billing using Arduino	Process Innovation	Technological	Syed Ammal Engineering College	Student-Faculty	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	Innovation Development Ongoing	No	No	No	No	No
Name		Type			Gender		Email			Contact			
Mrs. A. Valanarasi		Faculty			Female		valansaec@gmail.com			8903354817			
Name		Type			Gender		Email			Contact			
M. Sangeetha		Student			Female		sangeetha765saec@gmail.com			8344815769			
52	Arduino Based Water Rescue Robot	Process Innovation	Technological	Syed Ammal Engineering College	Student-Faculty	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	Innovation Development Ongoing	No	No	No	No	No
Name		Type			Gender		Email			Contact			
Mrs. A. Valanarasi		Faculty			Female		valansaec@gmail.com			8903354817			
Name		Type			Gender		Email			Contact			
M.Kumaraguru		Student			Male		gurunaac@gmail.com			9943756770			

53	Detection of exudates to diagnose diabetic retinopathy using Embedded System	Process Innovation	Technological	Syed Ammal Engineering College	Student-Faculty	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	Innovation Development Ongoing	No	No	No	No	No
Name		Type			Gender			Email			Contact		
Dr. G. Mahendran		Faculty			Male			ecehod@syedengg.ac.in			9994205270		
Name		Type			Gender			Email			Contact		
T.Sathya vignesh		Student			Male			sathyavignesh7871@gmail.com			9894887832		
54	Biometric voting machine using Arduino	Process Innovation	Technological	Syed Ammal Engineering College	Student-Faculty	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	Innovation Development Ongoing	No	No	No	No	No
Name		Type			Gender			Email			Contact		
Dr. S. M. H. Sithi Shameem Fathima		Faculty			Female			shameem@syedengg.ac.in			9842469589		
Name		Type			Gender			Email			Contact		
M.Naveen kumar		Student			Male			mnaveen2307@gmail.com			9578503832		
55	Design and fabrication of Hybrid Oxy-Hydrogen Cell	Process Innovation	Technological	Syed Ammal Engineering College	Student-Faculty	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	Innovation Development Ongoing	No	No	No	No	No
Name		Type			Gender			Email			Contact		
Mr. T. Dharmaprabhakaran		Faculty			Male			dharmajo92@gmail.com			9047951189		
Name		Type			Gender			Email			Contact		
Nambu Prasath M		Student			Male			kathiravind.123@gmail.com			9159500556		

56	Design and Fabrication of Fire Extinguishing Robot	Process Innovation	Technological	Syed ammal engineering college	Faculty	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	Innovation Development Ongoing	No	No	No	No	No
Name		Type			Gender			Email			Contact		
Mr. R. Raja		Faculty			Male			raja.renu7@gmail.com			9442230013		
Name		Type			Gender			Email			Contact		
Abdul Hakkeem Muzahith A		Student			Male			sabdulriaz4002@gmail.com			8680913328		
57	Tribological and Mechanical Behaviour of Aluminium 7075 MMC	Process Innovation	Technological	syed ammal engineering college	Student-Faculty	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	Innovation Development Ongoing	No	No	No	No	No
Name		Type			Gender			Email			Contact		
Dr. K. Senthil Kumar		Faculty			Male			ksenthilme1975@gmail.com			9442942162		
Name		Type			Gender			Email			Contact		
Shanmuga Balan U		Student			Male			shanmugabalan2412@gmail.com			9787570536		
58	Design and Fabrication of Self-Balancing E-Bike Using Mono Wheel	Process Innovation	Technological	Syed ammal engineering college	Student-Faculty	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	Innovation Development Ongoing	No	No	No	No	No
Name		Type			Gender			Email			Contact		
Mr. B. Koodalingam		Faculty			Male			koodalingamsaec@gmail.com			9655382456		
Name		Type			Gender			Email			Contact		
Thaslim Raja M		Student			Male			musthakahamed469@gmail.com			7339002699		

59	Design and Conception of Arduino Based Quadrupe Robot	Process Innovation	Technological	Syed ammal engineering college	Student-Faculty	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	Innovation Development Ongoing	No	No	No	No	No
Name		Type			Gender			Email			Contact		
Mr. S. Rajesh Babu		Faculty			Male			rajeshbabusaec@gmail.com			9789009151		
Name		Type			Gender			Email			Contact		
Murasolimaran N		Student			Male			thineshkumar792@gmail.com			7094084257		
60	Design and Fabrication of Flipper Arm Mechanism Based Rescue Robot	Process Innovation	Technological	syed ammal engineering college	Student-Faculty	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	Innovation Development Ongoing	No	No	No	No	No
Name		Type			Gender			Email			Contact		
Mr. K. Kalaimurugan		Faculty			Male			kalaimurugank@syedengg.ac.in			9677986055		
Name		Type			Gender			Email			Contact		
Ajith Kumar C		Student			Male			manojriderz99@gmail.com			7402393576		
61	Design and Fabrication of Automatic Sprinkler Robot	Process Innovation	Technological	syed ammal engineering college	Student-Faculty	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	Innovation Development Ongoing	No	No	No	No	No
Name		Type			Gender			Email			Contact		
Mr. T. Dharmaprabakaran		Faculty			Male			dharmajo92@gmail.com			9047951189		
Name		Type			Gender			Email			Contact		
Naveenkumar M		Student			Male			mypadmanaban1997@gmail.com			7904086973		

62	Design and Fabrication of Plasma Arc Furnace	Process Innovation	Technological	syed ammal engineering college	Student-Faculty	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	Innovation Development Ongoing	No	No	No	No	No
Name		Type			Gender			Email			Contact		
Mr. G. Sabari Narayananan		Faculty			Male			g.sabarinarayanan@gmail.com			9080774919		
Name		Type			Gender			Email			Contact		
Sundar V		Student			Male			vsundar083@gmail.com			9003929921		
63	Design and Implementation of Surveillance Quadcopter (UAV) with IOT Technology	Process Innovation	Technological	syed ammal engineering college	Student-Faculty	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	Innovation Development Ongoing	No	No	No	No	No
Name		Type			Gender			Email			Contact		
Mr. C. Thirugnanam		Faculty			Male			cthirugnanam1971@gmail.com			9578121902		
Name		Type			Gender			Email			Contact		
Bharath Kumar M		Student			Male			mrharathkumar98@gmail.com			9943365478		
64	Design and Fabrication of Automatic Floor Cleaning Robot	Process Innovation	Technological	syed ammal engineering college	Student-Faculty	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	Innovation Development Ongoing	No	No	No	No	No
Name		Type			Gender			Email			Contact		
Dr. S. Karthikeyan		Faculty			Male			skarthikeya74@gmail.com			9843520062		
Name		Type			Gender			Email			Contact		
Muneeswaran R		Student			Male			mmuneeswaran770@gmail.com			8778861726		

65	Automatic Drilling Cobot	Process Innovation	Technological	syed ammal engineering college	Faculty	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	Innovation Development Ongoing	No	No	No	No	No
Name		Type			Gender			Email			Contact		
Mr. D. Somasundaram		Faculty			Male			sompras123@yahoo.co.in			9842653626		
Name		Type			Gender			Email			Contact		
Udhaya Prakash S		Student			Male			udhayap1998@gmail.com			9884842858		
66	Design Analysis and Fabrication of Exhaust System for formula-SAE Vehicle	Process Innovation	Technological	syed ammal engineering college	Student-Faculty	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	Innovation Development Ongoing	No	No	No	No	No
Name		Type			Gender			Email			Contact		
Mr. D. Somasundaram		Faculty			Male			sompras123@yahoo.co.in			9842653626		
Name		Type			Gender			Email			Contact		
Yuvan Sankar M		Student			Male			udhayap1998@gmail.com			7339199714		
67	Design and Fabrication of Trash Collecting Robot	Process Innovation	Technological	syed ammal engineering college	Student-Faculty	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	Innovation Development Ongoing	No	No	No	No	No
Name		Type			Gender			Email			Contact		
Dr. S. Karthikeyan		Faculty			Male			skarthikeya74@gmail.com			9843520062		
Name		Type			Gender			Email			Contact		
Rameshkannan R		Student			Male			rameshraina103@gmail.com			6385561866		

68	Combustion and Emission Analysis of Biodiesel (Palm seed oil) with Nickel Oxide Nanoparticle	Process Innovation	Technological	syed ammal engineering college	Student-Faculty	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	Innovation Development Ongoing	No	No	No	No	No
Name		Type			Gender			Email			Contact		
Mr. C. Thirugnanam		Faculty			Male			cthirugnanam1971@gmail.com			9578121902		
Name		Type			Gender			Email			Contact		
Rabin Kumar P		Student			Female			rabinkumarps051@gmail.com			9600843224		
69	Tribological Testing of Palm Seed Biodiesel Using Pin on Disc	Process Innovation	Technological	syed ammal engineering college	Student-Faculty	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	Innovation Development Ongoing	No	No	No	No	No
Name		Type			Gender			Email			Contact		
Mr. R. Raja		Faculty			Male			raja.renu7@gmail.com			9442230013		
Name		Type			Gender			Email			Contact		
Abdul Riaz S		Student			Male			sabdulriaz4002@gmail.com			8680913328		
70	Tribological Testing of Palm Seed Biodiesel Using Pin on Disc	Process Innovation	Technological	syed ammal engineering college	Student-Faculty	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	Innovation Development Ongoing	No	No	No	No	No
Name		Type			Gender			Email			Contact		
Mr. T. Dharmaprabakaran		Faculty			Male			dharmajo92@gmail.com			9047951189		
Name		Type			Gender			Email			Contact		
Ajai M		Student			Male			mohamedasamj1998@gmail.com			8098992731		

71	Bluetooth Controlled Car Cleaning Robot for Industrial Application	Process Innovation	Technological	syed ammal engineering college	Student-Faculty	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	Innovation Development Ongoing	No	No	No	No	No
Name		Type			Gender			Email			Contact		
Mr. S.M. Sutharsan		Faculty			Male			suthar191@gmail.com			9940889686		
Name		Type			Gender			Email			Contact		
Gopi R		Student			Male			gopimechon03@gmail.com			7358865850		
72	Conversion of Two stroke to Electrical Bike	Process Innovation	Technological	syed ammal engineering college	Student-Faculty	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	Innovation Development Ongoing	No	No	No	No	No
Name		Type			Gender			Email			Contact		
Mr. P. Senthil Kumar		Faculty			Male			senthiljai046@gmail.com			9787501632		
Name		Type			Gender			Email			Contact		
Jegan K		Student			Male			jegankan1999@gmail.com			6381734327		
73	Automatic Seeding Robot	Process Innovation	Technological	syed ammal engineering college	Student-Faculty	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	Innovation Development Ongoing	No	No	No	No	No
Name		Type			Gender			Email			Contact		
Mr. S.M. Sutharsan		Faculty			Male			suthar191@gmail.com			9940889686		
Name		Type			Gender			Email			Contact		
Ahamed Ibrahim A		Student			Male			ahamedibrahim028@gmail.com			9994644625		

74	Augmented Reality with IBM Watson	Process Innovation	Technological	Syed ammal engineering college	Student-Faculty	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	Innovation Development Ongoing	No	No	No	No	No
Name		Type			Gender			Email			Contact		
Mr. M.H. Anand Babu		Faculty			Male			mhanadbabu@gmail.com			8825757403		
Name		Type			Gender			Email			Contact		
ANBU RAJA B		Student			Male			anburaja920@gmail.com			7825908899		
75	Separation of Compostable Waste and Non-Compostable Waste Using ML Algorithm	Process Innovation	Technological	Syed ammal engineering college	Student-Faculty	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	Innovation Development Ongoing	No	No	No	No	No
Name		Type			Gender			Email			Contact		
Mr.J. Ragaventhiran		Faculty			Male			jragaventhiran@gmail.com			9443367229		
Name		Type			Gender			Email			Contact		
MUHILA DEVI V		Student			Female			muhila9997@gmail.com			9003848769		
76	Enhanced Exam Hall Allocation System	Process Innovation	Technological	Syed ammal engineering college	Student-Faculty	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	Innovation Development Ongoing	No	No	No	No	No
Name		Type			Gender			Email			Contact		
Dr. S. Hasan Hussain		Faculty			Male			hasanhussainme@gmail.com			9994563672		
Name		Type			Gender			Email			Contact		
KARTHIKEYAN D		Student			Male			romanreigns7707@gmail.com			8072544370		

77	An Advanced Smart Agriculture System with Nonpoint Source Pollution Monitoring using IoT	Process Innovation	Technological	Syed ammal engineering college	Student-Faculty	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	Innovation Development Ongoing	No	No	No	No	No
Name		Type			Gender			Email			Contact		
Dr. T.B. Sivakumar		Faculty			Male			sivatb@syedengg.ac.in			8825888409		
Name		Type			Gender			Email			Contact		
AVINKUMAR U		Student			Male			anbuavin03@gmail.com			9500554381		
78	Emotional Analysis with Human Feelings Monitoring and Stress Relieving System	Process Innovation	Technological	Syed ammal engineering college	Student-Faculty	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	Innovation Development Ongoing	No	No	No	No	No
Name		Type			Gender			Email			Contact		
Mr. B. John Samuel		Faculty			Male			John_samuel@syedengg.ac.in			9486078181		
Name		Type			Gender			Email			Contact		
BAJILA BANU M		Student			Female			bajilabanu.saec@gmail.com			9677673392		
79	ATM Safeguard System by Weapon Detection and Access Control Using RFID and Face Recognition	Process Innovation	Technological	Syed ammal engineering college	Student-Faculty	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	Innovation Development Ongoing	No	No	No	No	No
Name		Type			Gender			Email			Contact		
Dr. B. Muthu Kumar		Faculty			Male			Muthu122@gmail.com			9566907501		
Name		Type			Gender			Email			Contact		
BAVANI N		Student			Female			bavanimoni98@gmail.com			9655759902		

80	Block Chain for Secure EHRs Sharing in Cloud Based E-Health System	Process Innovation	Technological	Syed ammal engineering college	Student-Faculty	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	Innovation Development Ongoing	No	No	No	No	No
	Name		Type		Gender		Email		Contact				
	Mr. M. Islabudeen		Faculty		Male		islabudeen@gmail.com		9994595561				
	Name		Type		Gender		Email		Contact				
ILAKKIYAA M K		Student		Female		ilakiyahendran@gmail.com		6374911025					
81	Phishing Attack Detection Using Datamining Techniques	Process Innovation	Technological	Syed Ammal engineering college	Student-Faculty	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	Innovation Development Ongoing	No	No	No	No	No
	Name		Type		Gender		Email		Contact				
	Mrs. T. M. Devi		Faculty		Male		devi@syedengg.ac.in		9943144977				
	Name		Type		Gender		Email		Contact				
MANJULA M		Student		Female		manjulamurugesan7@gmail.com		6381202609					
82	RFID Based Smart Cart System	Process Innovation	Technological	Syed Ammal engineering college	Student-Faculty	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	Innovation Development Ongoing	No	No	No	No	No
	Name		Type		Gender		Email		Contact				
	Mrs. G. Sharmila,		Faculty		Female		Sharmila.ragav@gmail.com		9944508466				
	Name		Type		Gender		Email		Contact				
POOJA SRI B		Student		Female		poojababu431999@gmail.com		9944020690					

83	Cab City Rider to Promote Road Safety	Process Innovation	Technological	Syed Ammal engineering college	Student-Faculty	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	Innovation Development Ongoing	No	No	No	No	No
	Name		Type		Gender		Email			Contact			
	Dr. T. B. Sivakumar		Faculty		Male		sivatb@syedengg.ac.in			8825888409			
	Name		Type		Gender		Email			Contact			
SURYA R		Student		Male		suryajacop46@gmail.com			8637492756				
84	Virtual Brain: Model-based Framework for Dependable EEG Sensing and Actuation in Intelligent Brain IOT System	Process Innovation	Technological	Syed Ammal engineering college	Student-Faculty	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	Innovation Development Ongoing	No	No	No	No	No
	Name		Type		Gender		Email			Contact			
	Mr. G. Saravanakumar		Faculty		Male		Saravana.exe@gmail.com			8338364322			
	Name		Type		Gender		Email			Contact			
SABURAN ATHIFA M		Student		Female		athifa1004@gmail.com			9787046248				
85	Monitoring and Controlling Violation of Traffic Rules Using IoT	Process Innovation	Technological	Syed Ammal engineering college	Student-Faculty	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	Innovation Development Ongoing	No	No	No	No	No
	Name		Type		Gender		Email			Contact			
	Mrs. G. Sharmila		Faculty		Female		Sharmila.ragav@gmail.com			9944508466			
	Name		Type		Gender		Email			Contact			
SHARMILA K S		Student		Male		sharmiks26@gmail.com			7358358591				

86	IoT Enabled Water Quality Assessment System	Process Innovation	Technological	Syed Ammal engineering college	Student-Faculty	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	Innovation Development Ongoing	No	No	No	No	No								
	Name		Type		Gender		Email		Contact												
	Mr. B. John Samuel		Faculty		Male		John_samuel@syedengg.ac.in		9486078181												
	Name		Type		Gender		Email		Contact												
JANANI R		Student		Female		janani.krishnan1999@gmail.com		9344393277													
87	EMBEDDED NETWORK CONTROL BETWEEN HETEROGENEOUS NONLINEAR SYSTEMS FOR AGRICULTURAL	Product Innovation	Technological		Faculty	TRL 6 : Prototype system tested in intended environment close to expected performance.	TRL 6 : Prototype system tested in intended environment close to expected performance.	Innovation Development Completed	<table border="1"> <tr> <td>Agency Name</td> <td>AICTE</td> </tr> <tr> <td>Agency Type</td> <td>Govt. Agency (Central)</td> </tr> <tr> <td>Award / Position / Recognition Secured</td> <td>funding</td> </tr> </table>	Agency Name	AICTE	Agency Type	Govt. Agency (Central)	Award / Position / Recognition Secured	funding	No	<table border="1"> <tr> <td>Grant Amount in Rs</td> <td>1451765</td> </tr> </table>	Grant Amount in Rs	1451765	No	No
	Agency Name	AICTE																			
	Agency Type	Govt. Agency (Central)																			
Award / Position / Recognition Secured	funding																				
Grant Amount in Rs	1451765																				
Name		Type		Gender		Email		Contact													
Dr S.Selvaperumal		Faculty		Male		perumal.om@gmail.com		9940790400													
Name		Type		Gender		Email		Contact		88											
CYPER SECURITY ANALYSIS OF SUBSTATION AUTOMATION SYSTEM	Product Innovation	Technological		Faculty	TRL 6 : Prototype system tested in intended environment close to expected performance.	TRL 6 : Prototype system tested in intended environment close to expected performance.	Innovation Development Completed	<table border="1"> <tr> <td>Agency Name</td> <td>TN SC ST</td> </tr> <tr> <td>Agency Type</td> <td>Govt. Agency (State)</td> </tr> <tr> <td>Award / Position / Recognition Secured</td> <td>Funding</td> </tr> </table>	Agency Name		TN SC ST	Agency Type	Govt. Agency (State)	Award / Position / Recognition Secured	Funding	No	<table border="1"> <tr> <td>Grant Amount in Rs</td> <td>7500</td> </tr> </table>	Grant Amount in Rs	7500	No	No
Agency Name	TN SC ST																				
Agency Type	Govt. Agency (State)																				
Award / Position / Recognition Secured	Funding																				
Grant Amount in Rs	7500																				

Name		Type		Gender		Email		Contact		Name	Email		
Dr S.Selvaperumal		Faculty		Male		perumal.om@gmail.com		9940790400					
89	SOLAR POWER BASED PRODUCTION OF OXYHYDROGEN (HHO) FOR COOKING PURPOSE	Product Innovation	Technological	Faculty	TRL 2 : Technology formulation. Concept and application have been formulated .	TRL 2 : Technology formulation. Concept and application have been formulated .	Innovation Development Completed	Agency Name	TNSCST	No	7500	No	No
								Agency Type	Govt. Agency (State)				
								Award / Position / Recognition Secured	Funding				
Name		Type		Gender		Email		Contact					
Dr.S.Karthikeyan		Faculty		Male		skarhikeya74@gmail.com		98423520062					
Name		Type		Gender		Email		Contact		90			
MODRO B	Product Innovation	Technological		Faculty	TRL 3 : Applied research. First laboratory tests completed ; proof of concept.	TRL 3 : Applied research. First laboratory tests completed ; proof of concept.	Innovation Development Ongoing	No	No		861000	No	No
Name		Type		Gender		Email		Contact					
G Mahendran		Faculty		Male		ecehod@syedengg.ac.in		9842072052					

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 Registered 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/V C 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
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1	VRM Energy Consultancy Services Private Limited	Process Innovation	Technologica	451	Alumni	Venture with Corporate Identification Number (CIN) Registration	U74999 KA2012 PTC066 351	2013-14	Graduated from the Incubation unit	No	No	No	No	Yes
Name		DIN number		Type		Gender		Email		Contact				
Muthukumar Rathinam		U74999KA2012PTC066351		Alumni Entrepreneur		Male		muthukumar@vrmenenergy.com		9902552525				

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	Arkey energies	Corporate / Industry Association	Providing (or) Receiving Mentor and Handholding Support to Support I&E Activities	Mentoring	50	21-09-2019
2	VRM Energy Consultancy Services Pvt. Ltd	Corporate / Industry Association	Providing (or) Receiving Mentor and Handholding Support to Support I&E Activities	Mentoring	120	01-01-2019
3	Kadamba Technologies Pvt. Ltd	Corporate / Industry Association	Providing (or) Receiving Mentor and Handholding Support to Support I&E Activities	Mentoring	130	06-03-2019
4	VI Microsystems Pvt. Ltd.	Corporate / Industry Association	Providing (or) Receiving Mentor and Handholding Support to Support I&E Activities	Mentoring	120	08-02-2019
5	Mandev Technologies Pvt. Ltd.	Corporate / Industry Association	Providing (or) Receiving Mentor and Handholding Support to Support I&E Activities	Mentoring	110	10-04-2019
6	Swamequip, Chennai	Corporate / Industry Association	Providing (or) Receiving Mentor and Handholding Support to Support I&E Activities	Mentoring	60	03-01-2019
7	Tamilnadu Pollution Control Board	Govt. Agency (State)	Providing (or) Receiving Mentor and Handholding Support to Support I&E Activities	Mentoring	135	08-02-2019
8	Roophakavi Power Pvt. Ltd	Corporate / Industry Association	Providing (or) Receiving Mentor and Handholding Support to Support I&E Activities	Mentoring	60	06-03-2019

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

Srno	Title/Name of IP(Copyright & Designs Only)	Type of IP(Copyright & Designs Only)	IP(Copyright & Designs Only) Registration Number of Copyright/Design	Application Level	Date of Copyright / Design IP Filed/ Published (Year, Month)	Copy of receipt / application screenshot [PDF or Image]	Current Status of IP(Copyright & Designs Only) as on 31st March 2020	Has this IP(Copyright & Designs Only) been Commercialized/Transferred to Industry/Startup/Society?
1	Power Electronics Laboratory Manual	IPRFiledPublished	L-91964/2020	National	2020 - 02	Uploaded	Filed	No
Department/Centre Name								
Department of Electrical								

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	A Novel PSO based automated optimally controlled watering system for a Coriander plant field using Wireless Sensor Network	28863/2019410	National	2019 - 09	Uploaded
	2	Wireless sensor network based data logging and ANN based Maximum Power Point Tracking for a large Photo voltaic farm	28863/2019410	National	2019 - 09
Uploaded		3	Performance Improvement of Induction Generator in Grid Integrated Wind Energy Conversion System	37527/2019410	National
2019 - 11	Uploaded		4	G-Glass Smart Manufacturing Unit	37530/2019410
National	2019 - 11	Uploaded		5	Coal Flow Regulation Using Model Based Controllers in Thermal Power Plant
37528/2019410	National	2019 - 11	Uploaded		6
G Glass for Electrical Power Generation and Electrical Energy Storage	37535/2019410	National	2019 - 11	Uploaded	
7	Smart Approach For The Detection Of Diabetic Retinopathy And Retinopathy Of Prematurity Using The Retinal Images	202041009634	National	2020 - 03	Uploaded
	8	Power Scheduling Of Micro-Grid In Radial Distribution System	202041009636	National	2020 - 03
Uploaded		9	Steady State Performance Analysis Of Self Excited Slip Ring Induction Generator	202041009638	National
2020 - 03	Uploaded		10	IT For Relay Protection (Internet Based)	202041009641
National	2020 - 03	Uploaded		11	Automotive Engine Control System for Preventing Drivers who are in Inebriated Condition

List the IPs hold by the Innovation teams/Startups Incubated at the Pre-incubation/incubation Unit of the HEI

Srno	Title/Name of IP	Type of IP	IP Registration Number	Current Status of IP as on 31st March 2020	Copy of IP screenshot
1	A Novel PSO based automated optimally controlled watering system for a Coriander plant field using Wireless Sensor Network	PatentsHoldByInnovations	28863/2019410	Published	Uploaded
	Applicant Name		Applicant Type	Start-up/Innovator Name	
	Dr. S. Selvaperumal		Incubatee Innovator	Dr. S. Selvaperumal	
2	Wireless sensor network based data logging and ANN based Maximum Power Point Tracking for a large Photo voltaic farm	PatentsHoldByInnovations	28863/2019410	Published	Uploaded

	Applicant Name		Applicant Type		Start-up/Innovator Name	
	Dr. S. SELVAPERUMAL		Incubatee Innovator		Dr. S. SELVAPERUMAL	
3	Performance Improvement of Induction Generator in Grid Integrated Wind Energy Conversion System	PatentsHoldByInnovations	37527/2019410		Published	Uploaded
	Applicant Name		Applicant Type		Start-up/Innovator Name	
	Dr. S. SELVAPERUMAL		Incubatee Innovator		Dr. S. SELVAPERUMAL	
4	G-Glass Smart Manufacturing Unit	PatentsHoldByInnovations	37530/2019410		Published	Uploaded
	Applicant Name		Applicant Type		Start-up/Innovator Name	
	Dr. S. SELVAPERUMAL		Incubatee Innovator		Dr. S. SELVAPERUMAL	
5	Coal Flow Regulation Using Model Based Controllers in Thermal Power Plant	PatentsHoldByInnovations	37528/2019410		Published	Uploaded
	Applicant Name		Applicant Type		Start-up/Innovator Name	
	Dr. S. SELVAPERUMAL		Incubatee Innovator		Dr. S. SELVAPERUMAL	
6	G Glass for Electrical Power Generation and Electrical Energy Storage	PatentsHoldByInnovations	37535/2019410		Published	Uploaded
	Applicant Name		Applicant Type		Start-up/Innovator Name	
	Dr. S. SELVAPERUMAL		Incubatee Innovator		Dr. S. SELVAPERUMAL	
7	Smart Approach For The Detection Of Diabetic Retinopathy And Retinopathy Of Prematurity Using The Retinal Images	PatentsHoldByInnovations	202041009634		Published	Uploaded
	Applicant Name		Applicant Type		Start-up/Innovator Name	
	Dr. S. SELVAPERUMAL		Incubatee Innovator		Dr. S. SELVAPERUMAL	
8	Power Scheduling Of Micro-Grid In Radial Distribution System	PatentsHoldByInnovations	202041009636		Published	Uploaded
	Applicant Name		Applicant Type		Start-up/Innovator Name	
	Dr. S. SELVAPERUMAL		Incubatee Innovator		Dr. S. SELVAPERUMAL	
9	Steady State Performance Analysis Of Self Excited Slip Ring Induction Generator	PatentsHoldByInnovations	202041009638		Published	Uploaded
	Applicant Name		Applicant Type		Start-up/Innovator Name	
	Dr. S. SELVAPERUMAL		Incubatee Innovator		Dr. S. SELVAPERUMAL	
10	IT For Relay Protection (Internet Based)	PatentsHoldByInnovations	202041009641		Published	Uploaded

Declaration

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

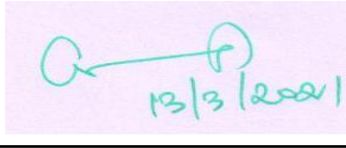
Joint Declaration by the Head of the Institute and Nodal Officer

Dear Sir,

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

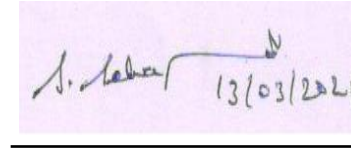
Thank you

The Head of Institute



Dr. PERIYASAMY M
Head of the Institution,
Ramanathapuram, Tamil Nadu

Nodal officer



Dr. SELVAPERUMAL S
Nodal Officer,
Ramanathapuram, Tamil Nadu