



ARIIA

ATAL RANKING OF INSTITUTIONS ON INNOVATION ACHIEVEMENTS



MoE
Ministry of Education
Government of India

Verification 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

Srno	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)
1	Electrical and Electronics Engineering	Academic Department with lab facility	Electrical and Electronics Engineering	UG / PG / PhD	Technical	124	12	3
2	Electronics and Communication Engineering	Academic Department with lab facility	Electronics and Communication Engineering	UG / PG / PhD	Technical	213	13	8
3	Computer Science and Engineering	Academic Department with lab facility	Computer Science and Engineering	UG / PG / PhD	Technical	211	12	5
4	Civil Engineering	Academic Department with lab facility	Civil Engineering	UG / PG / PhD	Technical	132	9	2
5	Master of Business Administration	Academic Department with lab facility	MBA	UG / PG / PhD	Non-Technical	43	6	1
6	Science and Humanities	Academic Department with lab facility	All first year (EEE, ECE, Mech, CSE and Civil)	UG / PG / PhD	Technical	134	15	2
7	Mechanical Engineering	Academic Department with lab facility	Mechanical Engineering	UG / PG / PhD	Technical	237	20	5
8	Syed Ammal Engineering College	Research Unit / Park	EEE, ECE, Mech and CSE	UG / PG / PhD	Technical	785	57	21
9	Syed Ammal Engineering College	Incubation Unit	All Departments	UG / PG / PhD	Technical	960	87	26
10	Syed Ammal Engineering College	Pre-incubation unit	All Departments	UG / PG / PhD	Technical	960	87	26
11	Syed Ammal Engineering College (Placement and Training Cell)	Industry Institute Interface Unit	All Departments	UG / PG / PhD	Technical	960	87	26
12	Syed Ammal Engineering College (IPR Cell)	IPR Cell / Patent Facilitation Unit / Technology Transfer Centre	All Departments	UG / PG / PhD	Technical	960	87	26
13	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
Establishment of Institution's Innovation Council (IIC) at HEI	YES	IIC Registration ID : IC201912957
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

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

Srno	Name of Program (Full Name)	Program Theme	Program Type	Program Category	Organizing Department / Centre / Student Body Name	Program Start Date	Program End Date	Program Duration(in Days)	Program Location	Internal Participants (Student)	Internal Participants (Faculty)	External Participants (Student)	External Participants (Faculty)	Total Number of Participants	Had institute spent expenses either from own resource/received fund to organise the program/activity/event?		Did any of the participants received any awards/recognition for startup / innovation ideas / research?	
															Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	Received Fund (In Rupees)	Award / Position / Recognition Secured	Received for
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
															Title of Innovation / Start-up Secured the Award / Recognition	Centre For Intellectual Property Rights (CIPR), Anna University, Chennai - 600025	Award/Recognition/Achievement Received for	Idea/Innovation/Prototype
2	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	No

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

3	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
4	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
5	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
6	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

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

7	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
8	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
9	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	
10	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	
11	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	
12	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	
13	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	
14	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	
15	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	

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

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

Srno	Name of Program (Full Name)	Program Theme	Program Type	Organizing Agency / Institute Name	Organizing Agency Type	Program Start Date	Program End Date	Program Duration(in Days)	Participants (Students)	Participants (Faculty)	Total Number of Participants	Awards/Recognitions/Achievements	Award / Position / Recognition Secured	Title of Innovation / Start-up Secured the Award / Recognition	Had institute spent expenses either from own resource/ received fund towards sending delegation to participate / represent the activity /event?	Did any of the participants received any awards/recognition for startup / innovation ideas / research	
1	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	
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 Expense Amount Incurred by Institute? (In Rupees)	2000	No

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

Srno	Title of Course/Subject Offered	Program Theme	Type of Course	Course Offering Department/Centre/Unit Name	Level of Course	Program Start Date	Program End Date	Program Duration(in Days)	Mode of Delivery	Total Numbers of Participants	Total Numbers of Contact Hours of Course (Minimum 30 Contact hours)
1	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

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

Srno	Title of the Training Program	Program Theme	Type of Course	Course Offering Department/Centre/ Unit Name	Program Start Date	Program End Date	Program Duration(in Days)	Mode of Delivery	Total Numbers of Participants	Total Numbers of Contact Hours of Course (Minimum 30 Contact hours)
1	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 Entreneur	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 quiz 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 quiz 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

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

Srno	Faculty Name	Department/Centre/Unit Name	Designation	Do you have a degree in I&E & IPR?	Had the faculty received training on I&E & IPR during AY 2019-20
1	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. Dharmaprabhakaran	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

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

Srno	Name of Student Club	Type of Club	Year of Establishment	Type of Facilities Available at the Club	Student Club with Access to Other I&E Facilities at the HEI	No of Programs/Activities Organized by the Student Club During the AY 2019-20	Student Club Team Lead Name	Student Club Team Lead Email	Student Club Team Lead Phone
1	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.THENMO ZHI	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

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

Srno	Name of Pre-Incubation Centre	Type of Facility	Year of Establishment	Type of Facilities Available at the Centre	Pre-Incubation with Access to Other I&E Facilities at the HEI	Name of the Funding Schemes Available with Pre-Incubation Unit, if any (Optional)	Facility Details	Total Nos of Dedicated Executive/Management team Strength Engaged at the Facility	Had the Pre-Incubation Unit Provided any Funding Support for Idea/Prototype/Innovation Development and implementation during the Financial Year 2019-20	Had institute Generated Income either from Services Offered by Pre-Incubation Centre/Facilities?	Had institute spent expenses either from own resource/received fund towards Establishment/Operation of Pre-Incubation Centre/Facilities?						
1	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>701043 3257</td> </tr> </table>	Facility Incharge Name	Dr. R. Meikanda Ganes h Kumar	Facility Incharge Email	meiganesh@gmail.com	Facility Incharge Phone	701043 3257	10	Yes	No	Yes
Facility Incharge Name	Dr. R. Meikanda Ganes h Kumar																
Facility Incharge Email	meiganesh@gmail.com																
Facility Incharge Phone	701043 3257																

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

Source of Grant / Fund	Agency Name	Agency Type	Total Grants / Funds Received by Pre-Incubation & Incubation Centre / Facilities exists in Campus (In Rupees)
Institute's Own Fund / Resource	Syed Ammal Engineering College	Educational Institute	0

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

Srno	Name of CoE Facility	Year of Establishment	CoE with Access to Other I&E Facilities at the HEI	Name of the Funding Schemes Available with CoE, if any (Optional)	Facility Details	Total Nos of Dedicated Executive/Management team Strength Engaged at the Facility	Had the CoE Provided any Funding Support for Idea/Prototype/Innovation Development and implementation during the Financial Year 2019-20?	Had institute Generated Income either from Services Offered by CoE Centre/Facilities?	Had institute spent expenses either from own resource/received fund towards Establishment/Operation of CoE Centre/Facilities?
1	THERMAL LABORATORY I & II	2009	IPR Cell/Technology Transfer Centre		Facility Incharge Name	27	No	No	Yes
					Dr. D. Somasundaram				
					Facility Incharge Email				
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	
2	CAD/CAM Laboratory	2010	IPR Cell/Technology Transfer Centre		Facility Incharge Name	27	No	No	Yes
					Mr. S. Rajesh Babu				
					Facility Incharge Email				
Facility Incharge Phone	9789009151								
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	

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

3	Manufacturing Technology Laboratory I & II	2009	Innovation Labs		Facility Incharge Name	Dr. K. Senthil Kumar	57	No	No	Yes
					Facility Incharge Email	ksenthi lme1975@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		1392282			
4	Mechatronics Laboratory	2011	IPR Cell/Technology Transfer Centre		Facility Incharge Name	Mr. C. Thirug nanam	77	No	No	Yes
					Facility Incharge Email	cthiru mech1971@gmail.com				
					Facility Incharge Phone	9578121902				
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			
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	9940889686				
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			

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

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	9787501632				
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	9080774919				
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			
8	Fluid Mechanics Laboratory	2010	IPR Cell/Technology Transfer Centre		Facility Incharge Name	Mr. R. Raja	31	No	No	No
					Facility Incharge Email	raja.renu7@gmail.com				
					Facility Incharge Phone	9442230013				

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

9	Strength of Materials Laboratory	2010	IPR Cell/Technology Transfer Centre		Facility Incharge Name	Mr. B. Koodalingam	31	No	No	Yes
					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		Facility Incharge Name	Dr. K. Senthil Kumar	6	No	No	Yes
					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			
11	Electrical Machines Laboratory	1998	IPR Cell/Technology Transfer Centre		Facility Incharge Name	Dr.G.S .Naganathan	0	Yes	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 CoE Facility exists in Campus (In Rupees)			
Institute's Own Fund / Resource		Syed Ammal Engineering College			Educational Institute		1477752			

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

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@syedengg.ac.in</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>9488006122</td> </tr> </table>	Facility Incharge Name	Dr.S.Ai swarya	Facility Incharge Email	sa@syedengg.ac.in	Facility Incharge Phone	9488006122	0	Yes	No	Yes
Facility Incharge Name	Dr.S.Ai swarya														
Facility Incharge Email	sa@syedengg.ac.in														
Facility Incharge Phone	9488006122														
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.Senthilkumar</td> </tr> <tr> <td>Facility Incharge Email</td> <td>mnen82@syedengg.ac.in</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>9994577576</td> </tr> </table>	Facility Incharge Name	Dr.M.Senthilkumar	Facility Incharge Email	mnen82@syedengg.ac.in	Facility Incharge Phone	9994577576	0	Yes	No	Yes
Facility Incharge Name	Dr.M.Senthilkumar														
Facility Incharge Email	mnen82@syedengg.ac.in														
Facility Incharge Phone	9994577576														
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								
14	Computer and Embedded systems Laboratory	2012	IPR Cell/Technology Transfer Centre		<table border="1"> <tr> <td>Facility Incharge Name</td> <td>Mr.T.Arun Prasad</td> </tr> <tr> <td>Facility Incharge Email</td> <td>arunprasath@syedengg.ac.in</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>8124391621</td> </tr> </table>	Facility Incharge Name	Mr.T.Arun Prasad	Facility Incharge Email	arunprasath@syedengg.ac.in	Facility Incharge Phone	8124391621	0	Yes	No	Yes
Facility Incharge Name	Mr.T.Arun Prasad														
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								

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

15	Project Laboratory	1989	IPR Cell/Technology Transfer Centre		<table border="1"> <tr> <td>Facility Incharge Name</td> <td>Mr.M.Paul Jeyaraj</td> </tr> <tr> <td>Facility Incharge Email</td> <td>mpj@syedenng.ac.in</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>8940467896</td> </tr> </table>	Facility Incharge Name	Mr.M.Paul Jeyaraj	Facility Incharge Email	mpj@syedenng.ac.in	Facility Incharge Phone	8940467896	0	Yes	No	Yes
Facility Incharge Name	Mr.M.Paul Jeyaraj														
Facility Incharge Email	mpj@syedenng.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		<table border="1"> <tr> <td>Facility Incharge Name</td> <td>G.Manikandan</td> </tr> <tr> <td>Facility Incharge Email</td> <td>maniganesan.civil@gmail.com</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>8940718701</td> </tr> </table>	Facility Incharge Name	G.Manikandan	Facility Incharge Email	maniganesan.civil@gmail.com	Facility Incharge Phone	8940718701	0	Yes	No	Yes
Facility Incharge Name	G.Manikandan														
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								
17	Computer Aided Design and Drafting Laboratory	2012	IPR Cell/Technology Transfer Centre		<table border="1"> <tr> <td>Facility Incharge Name</td> <td>G.Karunakaran</td> </tr> <tr> <td>Facility Incharge Email</td> <td>karunakaran.gkk@gmail.com</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>6374767201</td> </tr> </table>	Facility Incharge Name	G.Karunakaran	Facility Incharge Email	karunakaran.gkk@gmail.com	Facility Incharge Phone	6374767201	0	Yes	No	Yes
Facility Incharge Name	G.Karunakaran														
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								

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

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			
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			

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

21	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	Yes	No	Yes
Facility Incharge Name	G.Rajeswari														
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		<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	Yes	No	Yes
Facility Incharge Name	K.Tharani														
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								
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>saravanan.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	saravanan.exe@gmail.com	Facility Incharge Phone	9710198074	0	Yes	No	Yes
Facility Incharge Name	Mr G Saravananakumar														
Facility Incharge Email	saravanan.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								

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

24	Data Structure Lab	1998	IPR Cell/Technology Transfer Centre		Facility Incharge Name	Mr. B. John Samue l	0	Yes	No	Yes
					Facility Incharge Email	John_s amuel @syed engg.a c.in				
					Facility Incharge Phone	94860 78181				
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		Facility Incharge Name	Mr. J. Ragav enthira n	0	Yes	No	Yes
					Facility Incharge Email	jragav enthira n@gm ail.com				
					Facility Incharge Phone	97918 75842				
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			
26	Communication Lab	1998	IPR Cell/Technology Transfer Centre		Facility Incharge Name	Mr. M. H. Anand babu	0	Yes	No	Yes
					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			

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

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>skarthikeya74@gmail.com</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>9843520062</td> </tr> </table>	Facility Incharge Name	Dr. S. Karthik eyan	Facility Incharge Email	skarthikeya74@gmail.com	Facility Incharge Phone	9843520062	0	Yes	No	Yes
Facility Incharge Name	Dr. S. Karthik eyan														
Facility Incharge Email	skarthikeya74@gmail.com														
Facility Incharge Phone	9843520062														
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.Praveen Samuel Washburn</td> </tr> <tr> <td>Facility Incharge Email</td> <td>praveensamuel@syedengg.ac.in</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>7904879123</td> </tr> </table>	Facility Incharge Name	Mr.S.Praveen Samuel Washburn	Facility Incharge Email	praveensamuel@syedengg.ac.in	Facility Incharge Phone	7904879123	0	Yes	No	Yes
Facility Incharge Name	Mr.S.Praveen Samuel Washburn														
Facility Incharge Email	praveensamuel@syedengg.ac.in														
Facility Incharge Phone	7904879123														
Source of Grant / Fund		Agency Name			Agency Type		Total Grants / Funds Received by CoE Facility exists in Campus (In Rupees)								
29	Communication Lab	2000	IPR Cell/Technology Transfer Centre		<table border="1"> <tr> <td>Facility Incharge Name</td> <td>Mrs. A.Valanarasi</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> </table>	Facility Incharge Name	Mrs. A.Valanarasi	Facility Incharge Email	valanvaz@syedengg.ac.in	Facility Incharge Phone	8903354817	0	Yes	No	Yes
Facility Incharge Name	Mrs. A.Valanarasi														
Facility Incharge Email	valanvaz@syedengg.ac.in														
Facility Incharge Phone	8903354817														
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								

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

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			
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			

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

Srno	Name of Incubation Facility	Year of Establishment	Incubation with Access to Other I&E Facilities at the HEI	Name of the Funding Schemes Available with Incubation Unit, if any (Optional)	Facility Details	Total Nos of Dedicated Executive/Management team Strength Engaged at the Facility	Had the Incubation Facility Provided any Funding Support for Idea/Prototype/Innovation Development and implementation during the Financial Year 2019-20?	Had institute Generated Income either from Services Offered by Incubation Centre/Facilities?	Had institute spent expenses either from own resource/received fund towards Establishment/Operation of Incubation Centre/Facilities?						
1	Multi Testing Engine at Thermal Engineering Lab	2020	Innovation Labs	MODERNISATION AND REMOVAL OF OBSOLETE (MODROBS)	<table border="1"> <tr> <td>Facility Incharge Name</td> <td>Dr. S. Karthik eyan</td> </tr> <tr> <td>Facility Incharge Email</td> <td>skarthykeya74@gmail.com</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>9843520062</td> </tr> </table>	Facility Incharge Name	Dr. S. Karthik eyan	Facility Incharge Email	skarthykeya74@gmail.com	Facility Incharge Phone	9843520062	0	Yes	No	No
Facility Incharge Name	Dr. S. Karthik eyan														
Facility Incharge Email	skarthykeya74@gmail.com														
Facility Incharge Phone	9843520062														
2	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>praveensamuel@syedeng.ac.in</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>7904879123</td> </tr> </table>	Facility Incharge Name	Mr.S.P raveen Samuel Washburn	Facility Incharge Email	praveensamuel@syedeng.ac.in	Facility Incharge Phone	7904879123	3	No	No	No
Facility Incharge Name	Mr.S.P raveen Samuel Washburn														
Facility Incharge Email	praveensamuel@syedeng.ac.in														
Facility Incharge Phone	7904879123														
3	Communication Lab	2000	IPR Cell/Technology Transfer Centre		<table border="1"> <tr> <td>Facility Incharge Name</td> <td>Mrs. A.Valanarasi</td> </tr> <tr> <td>Facility Incharge Email</td> <td>valanvaraz@syedeng.ac.in</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>8903354817</td> </tr> </table>	Facility Incharge Name	Mrs. A.Valanarasi	Facility Incharge Email	valanvaraz@syedeng.ac.in	Facility Incharge Phone	8903354817	2	No	No	No
Facility Incharge Name	Mrs. A.Valanarasi														
Facility Incharge Email	valanvaraz@syedeng.ac.in														
Facility Incharge Phone	8903354817														

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

4	Microwave Lab	2000	IPR Cell/Technology Transfer Centre		<table border="1"> <tr> <td>Facility Incharge Name</td> <td>Mr. J.Sakubar Sadiq</td> </tr> <tr> <td>Facility Incharge Email</td> <td>sadiqja inulabi deen @syed engg.a c.in</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>99429 15751</td> </tr> </table>	Facility Incharge Name	Mr. J.Sakubar Sadiq	Facility Incharge Email	sadiqja inulabi deen @syed engg.a c.in	Facility Incharge Phone	99429 15751	2	No	No	No
Facility Incharge Name	Mr. J.Sakubar Sadiq														
Facility Incharge Email	sadiqja inulabi deen @syed engg.a c.in														
Facility Incharge Phone	99429 15751														
5	Electronics Lab	2000	IPR Cell/Technology Transfer Centre		<table border="1"> <tr> <td>Facility Incharge Name</td> <td>Mr. B.BabuMohan</td> </tr> <tr> <td>Facility Incharge Email</td> <td>babum ohan.b @syed engg.a c.in</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>90805 79949</td> </tr> </table>	Facility Incharge Name	Mr. B.BabuMohan	Facility Incharge Email	babum ohan.b @syed engg.a c.in	Facility Incharge Phone	90805 79949	2	No	No	No
Facility Incharge Name	Mr. B.BabuMohan														
Facility Incharge Email	babum ohan.b @syed engg.a c.in														
Facility Incharge Phone	90805 79949														
6	Project Lab	2000	IPR Cell/Technology Transfer Centre		<table border="1"> <tr> <td>Facility Incharge Name</td> <td>Dr.S.M .H.Sithi Shham eem Fathim a</td> </tr> <tr> <td>Facility Incharge Email</td> <td>shame em@s yeden gg.ac.i n</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>63838 92654</td> </tr> </table>	Facility Incharge Name	Dr.S.M .H.Sithi Shham eem Fathim a	Facility Incharge Email	shame em@s yeden gg.ac.i n	Facility Incharge Phone	63838 92654	2	No	No	No
Facility Incharge Name	Dr.S.M .H.Sithi Shham eem Fathim a														
Facility Incharge Email	shame em@s yeden gg.ac.i n														
Facility Incharge Phone	63838 92654														
7	Electrical Machines Laboratory	1998	IPR Cell/Technology Transfer Centre		<table border="1"> <tr> <td>Facility Incharge Name</td> <td>Dr.G.S .Nagan athan</td> </tr> <tr> <td>Facility Incharge Email</td> <td>gsn@s yeden gg.ac.i n</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>98651 44965</td> </tr> </table>	Facility Incharge Name	Dr.G.S .Nagan athan	Facility Incharge Email	gsn@s yeden gg.ac.i n	Facility Incharge Phone	98651 44965	0	No	No	Yes
Facility Incharge Name	Dr.G.S .Nagan athan														
Facility Incharge Email	gsn@s yeden gg.ac.i n														
Facility Incharge Phone	98651 44965														

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

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	<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	No	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 Incubation Facility exists in Campus (In Rupees)								
9	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>mSen8 2@sy e dengg. 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	mSen8 2@sy e dengg. ac.in	Facility Incharge Phone	99945 77576	0	No	No	Yes
Facility Incharge Name	Dr.M.S enthilk umar													
Facility Incharge Email	mSen8 2@sy e dengg. ac.in													
Facility Incharge Phone	99945 77576													
Source of Grant / Fund		Agency Name		Agency Type		Total Grants / Funds Received by Incubation Facility exists in Campus (In Rupees)								
10	Computer and Embedded systems Laboratory	2012	IPR Cell/Technology Transfer Centre	<table border="1"> <tr> <td>Facility Incharge Name</td> <td>Mr.T.A run Prasat h</td> </tr> <tr> <td>Facility Incharge Email</td> <td>arunpr asath @syed engg.a c.in</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>81243 91621</td> </tr> </table>	Facility Incharge Name	Mr.T.A run Prasat h	Facility Incharge Email	arunpr asath @syed engg.a c.in	Facility Incharge Phone	81243 91621	0	No	No	Yes
Facility Incharge Name	Mr.T.A run Prasat h													
Facility Incharge Email	arunpr asath @syed engg.a c.in													
Facility Incharge Phone	81243 91621													
Source of Grant / Fund		Agency Name		Agency Type		Total Grants / Funds Received by Incubation Facility exists in Campus (In Rupees)								

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

11	Project Laboratory	2016	IPR Cell/Technology Transfer Centre		<table border="1"> <tr> <td>Facility Incharge Name</td> <td>Mr.M.Paul Jeyaraj</td> </tr> <tr> <td>Facility Incharge Email</td> <td>mpj@syyeden gg.ac.in</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>8940467896</td> </tr> </table>	Facility Incharge Name	Mr.M.Paul Jeyaraj	Facility Incharge Email	mpj@syyeden gg.ac.in	Facility Incharge Phone	8940467896	0	No	No	Yes				
Facility Incharge Name	Mr.M.Paul Jeyaraj																		
Facility Incharge Email	mpj@syyeden gg.ac.in																		
Facility Incharge Phone	8940467896																		
<table border="1"> <thead> <tr> <th colspan="3">Source of Grant / Fund</th> <th colspan="3">Agency Name</th> <th colspan="2">Agency Type</th> <th colspan="2">Total Grants / Funds Received by Incubation Facility exists in Campus (In Rupees)</th> </tr> </thead> </table>										Source of Grant / Fund			Agency Name			Agency Type		Total Grants / Funds Received by Incubation Facility exists in Campus (In Rupees)	
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		<table border="1"> <tr> <td>Facility Incharge Name</td> <td>G.Manikandan</td> </tr> <tr> <td>Facility Incharge Email</td> <td>maniganesan.civil@gmail.com</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>8940718701</td> </tr> </table>	Facility Incharge Name	G.Manikandan	Facility Incharge Email	maniganesan.civil@gmail.com	Facility Incharge Phone	8940718701	0	No	No	No				
Facility Incharge Name	G.Manikandan																		
Facility Incharge Email	maniganesan.civil@gmail.com																		
Facility Incharge Phone	8940718701																		
13	Computer Aided Design and Drafting Laboratory	2012	IPR Cell/Technology Transfer Centre		<table border="1"> <tr> <td>Facility Incharge Name</td> <td>G.Karunakaran</td> </tr> <tr> <td>Facility Incharge Email</td> <td>karunakaran.gkk@gmail.com</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>6374767201</td> </tr> </table>	Facility Incharge Name	G.Karunakaran	Facility Incharge Email	karunakaran.gkk@gmail.com	Facility Incharge Phone	6374767201	0	No	No	No				
Facility Incharge Name	G.Karunakaran																		
Facility Incharge Email	karunakaran.gkk@gmail.com																		
Facility Incharge Phone	6374767201																		
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																		

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

15	Hydraulic Engineering Laboratory	2012	IPR Cell/Technology Transfer Centre		<table border="1"> <tr> <td>Facility Incharge Name</td> <td>R.Vino dhini</td> </tr> <tr> <td>Facility Incharge Email</td> <td>vinothi nicivil @gmail.com</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>98946 39792</td> </tr> </table>	Facility Incharge Name	R.Vino dhini	Facility Incharge Email	vinothi nicivil @gmail.com	Facility Incharge Phone	98946 39792	0	No	No	No
Facility Incharge Name	R.Vino dhini														
Facility Incharge Email	vinothi nicivil @gmail.com														
Facility Incharge Phone	98946 39792														
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>bakyas urya00 @gmail.com</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>96980 48499</td> </tr> </table>	Facility Incharge Name	B.Bakya	Facility Incharge Email	bakyas urya00 @gmail.com	Facility Incharge Phone	96980 48499	0	No	No	No
Facility Incharge Name	B.Bakya														
Facility Incharge Email	bakyas urya00 @gmail.com														
Facility Incharge Phone	96980 48499														
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>rajicivil 3010 @gmail.com</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>63808 22356</td> </tr> </table>	Facility Incharge Name	G.Rajeswari	Facility Incharge Email	rajicivil 3010 @gmail.com	Facility Incharge Phone	63808 22356	0	No	No	No
Facility Incharge Name	G.Rajeswari														
Facility Incharge Email	rajicivil 3010 @gmail.com														
Facility Incharge Phone	63808 22356														
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>karnat hara@gmail.com</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>88831 98840</td> </tr> </table>	Facility Incharge Name	K.Tharani	Facility Incharge Email	karnat hara@gmail.com	Facility Incharge Phone	88831 98840	0	No	No	No
Facility Incharge Name	K.Tharani														
Facility Incharge Email	karnat hara@gmail.com														
Facility Incharge Phone	88831 98840														

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

19	DBMS Lab	1998	IPR Cell/Technology Transfer Centre		<table border="1"> <tbody> <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> </tbody> </table>	Facility Incharge Name	Mr G Saravananakumar	Facility Incharge Email	saravanna.exe@gmail.com	Facility Incharge Phone	9710198074	0	No	No	No
Facility Incharge Name	Mr G Saravananakumar														
Facility Incharge Email	saravanna.exe@gmail.com														
Facility Incharge Phone	9710198074														
20	Data Structure Lab	1998	IPR Cell/Technology Transfer Centre		<table border="1"> <tbody> <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> </tbody> </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"> <tbody> <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> </tbody> </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														
22	Communciation Lab	1998	IPR Cell/Technology Transfer Centre		<table border="1"> <tbody> <tr> <td>Facility Incharge Name</td> <td>Mr. M. H. Anandbabu</td> </tr> <tr> <td>Facility Incharge Email</td> <td>mhana dbabu@gmail.com</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>9597766993</td> </tr> </tbody> </table>	Facility Incharge Name	Mr. M. H. Anandbabu	Facility Incharge Email	mhana dbabu@gmail.com	Facility Incharge Phone	9597766993	0	No	No	No
Facility Incharge Name	Mr. M. H. Anandbabu														
Facility Incharge Email	mhana dbabu@gmail.com														
Facility Incharge Phone	9597766993														

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

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	Facility Incharge Name	Dr.S.S elvape rumal	12	Yes	No	Yes	
					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)		

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

Srno	Name of Innovation Park/Research Park Facility	Year of Establishment	Innovation Park / Research Park with Access to Other I & E Facilities at the HEI	Name of the Funding Schemes Available with Research/Innovation Park, if any (Optional)	Facility Details	Total Nos of Dedicated Executive/Management team Strength Engaged at the Facility	Had the Research Park/Innovation Park Provided any Funding Support for Idea/Prototype/Innovation Development and implementation during the Financial Year 2019-20?	Had institute Generated Income either from Services Offered by Research Park/Innovation Park?	Had the Research Park/Innovation Park Provided any Funding Support for Idea/Prototype/Innovation/Start up/Venture Development and implementation during the Financial Year 2019-20?	
1	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	Facility Incharge Name: Dr.S.S elvape rumal Facility Incharge Email: selvap erumal @syed engg.a c.in Facility Incharge Phone: 99407 90400	10	Yes	No	Yes	
Source of Grant / Fund				Agency Name			Agency Type		Total Grants / Funds Received by Incubation Facility exists in Campus (In Rupees)	
-				-			-		0	

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

Srno	Name of IPR Cell/Technology Transfer Centre Facility	Year of Establishment	IPR Cell/Technology Transfer Centre with Access to Other I&E Facilities at the HEI	Name of the Funding Schemes Available with IPR Cell/Technology Transfer Centre, if any (Optional)	Facility Details	Total Nos of Dedicated Executive/Management team Strength Engaged at the Facility	Had the IPR Cell/Technology Transfer Centre Provided any Funding Support for Idea/Prototype/Innovation Development and implementation during the Financial Year 2019-20?	Had institute Generated Income either from Services Offered by IPR Cell/Technology Transfer Centre?	Had the IPR Cell/Technology Transfer Centre Provided any Funding Support for Idea/Prototype/Innovation/Start up/Venture Development and implementation during the Financial Year 2019-20?
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Section 3 > ii > e : List the IPR Cell/Technology Transfer Centre Facilities at the HEI

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>8248321934</td> </tr> </table>	Facility Incharge Name	Dr.S.S elvaperumal	Facility Incharge Email	selvaperumal@syedengg.ac.in	Facility Incharge Phone	8248321934	10	No	No	No
Facility Incharge Name	Dr.S.S elvaperumal														
Facility Incharge Email	selvaperumal@syedengg.ac.in														
Facility Incharge Phone	8248321934														

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

Srno	Name of the Faculty	Designation of the Faculty	Mentor Expert Area	Years of Experience in Mentorship (In Years)
1	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	
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	

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

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
	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

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

	Name of Idea/Innovation/ Startup Mentored	Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	Combustion and Emission Analysis of Biodiesel (Palm seed oil) with Nickel Oxide Nanoparticle	Within	
16	Mr. T. Dharmaprabhakaran	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	
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	

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

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

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

Srno	Name of the Innovation Generated with the Support of HEI	Type of Innovation	Nature of Innovation	Name of the HEI Supported Innovation Development	Innovation Developed by	Stage of Innovation/ Stage of TRL it started receiving the Support during the FY 2019-20	Stage of Innovation/ Stage of TRL reached as on 31st March 2020	Status Pre-Incubation/Incubation Support to Innovation as on 31st March 2020	Had the Innovation Received any Recognition at State, National, International Level Programs during the financial period 2019-20	Had the Innovation Converted into Venture/Startup/SME Unit during the financial period 2019-20	Had Centre/institute provided any Financial support (either own resource or fund received from agencies) in terms of Seed Grant/Fund Support to Idea / Prototype / Innovations Development during the financial period 2019-20	Had the Innovations raised any Seed fund/Angel Investment/VC during the period of receiving pre-incubation/incubation support at your Pre-incubation/incubation or HEI during the financial period 2019-20	Had the Pre-incubation/Incubation Centre/HEI received any income/revenue from Idea/Prototype/Innovations for the pre-incubation/incubation support and the services offered by Pre-incubation/incubation or institute during the financial period 2019										
1	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										
				<table border="1"> <thead> <tr> <th>Name</th> <th>Type</th> <th>Gender</th> <th>Email</th> <th>Contact</th> </tr> </thead> <tbody> <tr> <td>Dr.Meikandaganeshkumar</td> <td>Faculty</td> <td>Male</td> <td>meiganesh@gmail.com</td> <td>7010433257</td> </tr> </tbody> </table>		Name	Type	Gender	Email	Contact	Dr.Meikandaganeshkumar	Faculty	Male	meiganesh@gmail.com	7010433257								
Name	Type	Gender	Email	Contact																			
Dr.Meikandaganeshkumar	Faculty	Male	meiganesh@gmail.com	7010433257																			
				<table border="1"> <thead> <tr> <th>Name</th> <th>Type</th> <th>Gender</th> <th>Email</th> <th>Contact</th> </tr> </thead> <tbody> <tr> <td>H. Abdul thameem</td> <td>Student</td> <td>Male</td> <td>thameembs1@gmail.com</td> <td>9600717142</td> </tr> </tbody> </table>		Name	Type	Gender	Email	Contact	H. Abdul thameem	Student	Male	thameembs1@gmail.com	9600717142								
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
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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
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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
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Name	Type	Gender	Email	Contact
Dr.K.Jeyabalan	Faculty	Male	sknjejabalan@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
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Name	Type	Gender	Email	Contact
Dr.K.Jeyabalan	Faculty	Male	sknjejabalan@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			sknjejabalan@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			sknjejabalan@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
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Name	Type	Gender	Email	Contact
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Name	Type	Gender	Email	Contact
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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
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Name	Type	Gender	Email	Contact
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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		
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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			poojasripalanikumar948@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	Technol ogical	SyedAmmal Engineering College	Stude nt-Faculty	TRL 1 : Basic rese arch. Princi ples postu lated and obser ved but no exper iment al proof availa ble.	TRL 1 : Basic rese arch. Princi ples postu lated and obser ved but no exper iment al proof availa ble.	Innovati on Develop ment Ongoing	No	No	No	No	No
Name		Type			Gender			Email			Contact		
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	Technol ogical	Syed Ammal Engineering College	Stude nt-Faculty	TRL 1 : Basic rese arch. Princi ples postu lated and obser ved but no exper iment al proof availa ble.	TRL 1 : Basic rese arch. Princi ples postu lated and obser ved but no exper iment al proof availa ble.	Innovati on Develop ment Ongoing	No	No	No	No	No
Name		Type			Gender			Email			Contact		
Ms.I.Jaambavi		Faculty			Female			jaambaviilango@mail.com			9942097809		
Name		Type			Gender			Email			Contact		
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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			
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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			
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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			
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Name		Type			Gender		Email			Contact			
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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			
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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			
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Name		Type			Gender		Email			Contact			
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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		
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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		sadiqwajidh@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			ecehod@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			sarnsaqec6@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 Quadraped 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		
Murasolimar N		Student			Male			thineshkumar792@gmail.com			7094084257		

60	Design and Fabrication of Flipper Arm Mechanism Based Rescue Robot	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			
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	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			
Mr. T. Dharmaprabhakaran		Faculty			Male			dharmajo92@gmail.com		9047951189			
Name		Type			Gender			Email		Contact			
Naveenkumar M		Student			Male			mjpadmanaban1997@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 Narayanan		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		mrbharathkumar98@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 ammaling 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 ammaling 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 ammam 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 ammam 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			ilakiyamahendran@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	Agency Name	AICTE	No	1451765	No
									Agency Type	Govt. Agency (Central)	Grant Amount in Rs		
									Award / Position / Recognition Secured	fund ing			
Name		Type			Gender		Email		Contact				
Dr S.Selvaperumal		Faculty			Male		perumal.om@gmail.com		9940790400				

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	Agency Name TN SC ST	Agency Type Govt. Agency (State)	Award / Position / Recognition Secured	No	Grant Amount in Rs 7500	No	No
Name		Type			Gender			Email			Contact				
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 TN SC ST	Agency Type Govt. Agency (State)	Award / Position / Recognition Secured	No	Grant Amount in Rs 7500	No	No
Name		Type			Gender			Email			Contact				
Dr.S.Karthikeyan		Faculty			Male			skarthikeya74@gmail.com			98423520062				
90	MODROB	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	Award / Position / Recognition Secured	No	Grant Amount in Rs 861000	No	No

Name	Type	Gender	Email	Contact
G Mahendran	Faculty	Male	ecehod@syedengg.ac.in	9842072052

Name	Type	Gender	Email	Contact
-	Faculty	Male	-	-

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

Sr no	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/VC during the period of receiving pre-incubation/incubation support at your Pre-incubation/incubation or HEI during the financial period 2019-20	Had the Pre-incubation/Incubation Centre/HEI received any income/revenue from venture/startup for the pre-incubation/incubation support and the services offered by Pre-incubation/institute during the financial period 2019-20	Has the Startup Grown to a stage of Employment Generation to 10 Numbers or an annual Turnover to Rs. 50 Lakhs during the financial year 2019-20
1	VRM Energy Consultancy Services Private Limited	Process Innovation	Technological	451	Alumni	Venture with Corporate Identification Number (CIN) Registration U74999KA2012PTC066351	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@vrmenery.com	9902552525

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

Srno	Collaborated Agency Name	Collaborated Agency Type	Purpose of Collaboration	Type of Support Offered	No. of Student Projects/ Ideas / Innovation / Startups from the HEI get benefitted through this partnership	Date of MOU / Agreement Signed on
1	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

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

No Data Filled!

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

Srno	Title/Name of Patent	IP Registration Number	Date of Filed/Published (Year, Month)	Application Level	Copy of receipt / application screenshot [PDF or Image]
1	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	202041001559	National	2020 - 01	Uploaded