



ARIIA

ATAL RANKING OF INSTITUTIONS ON INNOVATION ACHIEVEMENTS



MoE
Ministry of Education
Government of India

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

Institute Name: AMAL JYOTHI COLLEGE OF ENGINEERING [ARI-I-1021]

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

Department / Center / Unit Name	Type of Department / Center / Unit	Mention the Stream / Discipline / Sector of focus	Department / Center / Unit Level	Program Type	Student / Beneficiary Strength (2019-20)	Academic Staff Strength (2019-20)	Non-academic Staff Strength (2019-20)
Civil Engineering	Academic Department with lab facility	Civil Engineering	UG / PG / PhD	Technical	564	33	8
Chemical Engineering	Academic Department with lab facility	Chemical Engineering	UG / PG / PhD	Technical	276	11	2
Computer Science and Engineering	Academic Department with lab facility	Computer Science and Engineering	UG / PG / PhD	Technical	516	28	4
Computer Applications	Academic Department with lab facility	Computer Applications	UG / PG / PhD	Technical	660	25	6
Electronics and Communication Engineering	Academic Department with lab facility	Electronics and Communication Engineering	UG / PG / PhD	Technical	516	30	8
Electrical and Electronics Engineering	Academic Department with lab facility	Electrical and Electronics Engineering	UG / PG / PhD	Technical	312	20	7
Food Technology	Academic Department with lab facility	Food Technology	UG / PG / PhD	Technical	60	3	1
Information Technology	Academic Department with lab facility	Information Technology	UG / PG / PhD	Technical	240	10	10
Mechanical Engineering	Academic Department with lab facility	Mechanical Engineering	UG / PG / PhD	Technical	516	29	6
Mechanical Engineering Automobile	Academic Department with lab facility	Automobile Engineering	UG / PG / PhD	Technical	240	10	8
Metallurgical and Materials Engineering	Academic Department with lab facility	Metallurgical and Materials Engineering	UG / PG / PhD	Technical	240	9	2
Technology Business Incubator	Incubation Unit	Technology development	At all level	Not Allowed	30	1	2

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 : 57
Trained Innovation Ambassadors at HEI	No	Not Required

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

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

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

Srno	Name of Program (Full Name)	Program Theme	Program Type	Program Category	Organizing Department / Centre / Student Body Name	Program Start Date	Program End Date	Program Duration (in Days)	Program Location	Internal Participants (Student)	Internal Participants (Faculty)	External Participants (Student)	External Participants (Faculty)	Total Number of Participants	Had institute spent expenses either from own resource/received fund to organise the program/activity/event?	Did any of the participants received any awards/recognition for startup / innovation ideas / research?
1	FDP on Entrepreneurship	Entrepreneurship/Startup	Training	Institute Lead Activity	Startups Valley TBI	12-10-2019 00:00:00	12-10-2019 00:00:00	1	Within Campus	0	3	0	23	26	No	No
2	FDP on two wheeler technology and trends	Entrepreneurship/Startup	Training	Institute Lead Activity	Mechanical engineering Automobile	24-06-2019 00:00:00	28-06-2019 00:00:00	5	Within Campus	0	10	0	20	30	No	No
3	Royal Enfield internship	Entrepreneurship/Startup	Training	Institute Lead Activity	Mechanical engineering Automobile	10-07-2019 00:00:00	02-08-2019 00:00:00	24	Within Campus	24	0	27	0	51	No	No
4	Eicher internship	Entrepreneurship/Startup	Skill development	Institute Lead Activity	Mechanical engineering Automobile	06-12-2019 00:00:00	18-12-2019 00:00:00	13	Within Campus	24	0	11	0	35	No	No
5	CNC	Entrepreneurship/Startup	Skill development	Institute Lead Activity	Mechanical engineering Automobile	10-06-2019 00:00:00	30-06-2019 00:00:00	21	Within Campus	6	0	0	0	6	No	No
6	Eicher Technician training	Entrepreneurship/Startup	Skill development	Institute Lead Activity	Mechanical engineering Automobile	07-08-2019 00:00:00	19-08-2019 00:00:00	13	Within Campus	0	0	11	0	11	No	No
7	Yamaha Technician training	Entrepreneurship/Startup	Skill development	Institute Lead Activity	Mechanical engineering Automobile	07-08-2019 00:00:00	24-08-2019 00:00:00	18	Within Campus	0	0	11	0	11	No	No
8	ACE 2020 (Advances in Civil Engineering)	Innovation	Conference	Institute Lead Activity	civil engineering	28-03-2020 00:00:00	29-03-2020 00:00:00	2	Within Campus	0	20	0	25	45	No	No

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

9	BIM training	Innovation	Workshop	Institute Lead Activity	civil engineering	05-08-2019 00:00:00	09-08-2019 00:00:00	5	Within Campus	0	10	0	5	15	No	No
10	National Conference on Advances in Civil Engineering(ACE 2019)	Innovation	Conference	Institute Lead Activity	CIVIL, EC	25-04-2019 00:00:00	26-04-2019 00:00:00	2	Within Campus	0	20	0	10	30	No	No
11	AICERA 2019:Emerging Technologies for Sustainability	Innovation	Conference	Institute Lead Activity	civil engineering	17-07-2019 00:00:00	19-07-2019 00:00:00	3	Within Campus	0	1	0	10	11	No	No
12	Design aspects & considerations of Waste Water Treatment Plants	Innovation	Seminar	Institute Lead Activity	civil engineering	13-04-2019 00:00:00	13-04-2019 00:00:00	1	Within Campus	98	10	0	0	108	No	No
13	Design of Light Gauge Columns	Innovation	Seminar	Institute Lead Activity	civil engineering	11-04-2019 00:00:00	11-04-2019 00:00:00	1	Within Campus	90	8	0	0	98	No	No
14	Inauguration of BAI student chapter & future prospect in industry	Innovation	Seminar	Institute Lead Activity	civil engineering	02-04-2019 00:00:00	02-04-2019 00:00:00	1	Within Campus	112	21	0	0	133	No	No
15	Annual International Conference on Emerging Research Areas (AICERA)	Innovation	Conference	Institute Lead Activity	civil engineering	18-07-2019 00:00:00	20-07-2019 00:00:00	3	Within Campus	30	15	0	0	45	No	No
16	Smart India Hackathon 2020 - Institute Level	Innovation	Hackathon	Institute Lead Activity	Department of Computer Science and Technology	02-04-2019 00:00:00	02-04-2019 00:00:00	1	Within Campus	172	0	0	0	172	No	No
17	LED Bulb Fabrication and Assembling	Entrepreneurship/Startup	Workshop	Institute Lead Activity	Electronics and Communication Department	18-07-2019 00:00:00	19-07-2019 00:00:00	2	Within Campus	40	2	0	0	42	No	No

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

18	Analog Sensors & Actuators	Entrepreneurship/Startup	Workshop	Institute Lead Activity	Electronics and Communication Department	22-07-2019 00:00:00	26-07-2019 00:00:00	5	Within Campus	25	2	1	0	28	No	No
19	LED Bulb Fabrication and Assembling	Entrepreneurship/Startup	Workshop	Institute Lead Activity	Electronics and Communication Department	16-11-2019 00:00:00	16-11-2019 00:00:00	1	Within Campus	35	2	0	0	37	No	No
20	Technical Training For Underwater Drone Development	Innovation	Workshop	Institute Lead Activity	Electronics and Communication Department	27-11-2019 00:00:00	27-11-2019 00:00:00	1	Within Campus	38	2	0	0	40	No	No
21	Industrial Oriented 3D Printing and Prototyping	Entrepreneurship/Startup	Workshop	Institute Lead Activity	Electrical and Electronics Engineering	24-07-2019 00:00:00	26-07-2019 00:00:00	3	Within Campus	1	0	0	0	1	No	No
22	Solar PV Power forecasting using machine learning	Innovation	Innovation Contest	Institute Lead Activity	AMAL JYOTHI SCHOLARS COMMUNITY FOR INSPIRING INNOVATION - ASCII	21-11-2019 00:00:00	22-11-2019 00:00:00	2	Within Campus	139	1	0	0	140	No	No
23	IOT for energy optimization and automation of green building	Innovation	Innovation Contest	Institute Lead Activity	AMAL JYOTHI SCHOLARS COMMUNITY FOR INSPIRING INNOVATION (ASCII)	21-11-2019 00:00:00	22-11-2019 00:00:00	2	Within Campus	132	1	0	0	133	No	No
24	Sorption based devices for solar PV panel cooling and to extract fresh water from the atmosphere	Innovation	Innovation Contest	Institute Lead Activity	AMAL JYOTHI SCHOLARS COMMUNITY FOR INSPIRING INNOVATION (ASCII)	21-11-2019 00:00:00	22-11-2019 00:00:00	2	Within Campus	139	1	0	0	140	No	No

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

25	Workshop on Electrical System Design	Entrepreneurship/Startup	Workshop	Institute Lead Activity	Electrical Electronics Engineering-Sigmos	26-04-2019 00:00:00	27-04-2019 00:00:00	2	Within Campus	16	0	0	0	16	No	No
26	Smart India Hackathon 2020	Innovation	Hackathon	Institute Lead Activity	Institutions Innovation Council, Amal Jyothi College of Engg. Kanjirapally	02-04-2019 00:00:00	02-04-2019 00:00:00	1	Within Campus	15	0	0	0	15	No	No
27	Conduct Innovation Day Celebration	Innovation	Innovation Contest	Institute Lead Activity	Initiated MHRD, held at Amal Jyothi College of Engg.	15-10-2019 00:00:00	15-10-2019 00:00:00	1	Within Campus	1	0	0	0	1	No	No
28	International Hackathon "3 PHASE TECHNICAL FEST	Innovation	Hackathon	Institute Lead Activity	AmalJyothi College of Engg	12-04-2019 00:00:00	15-04-2019 00:00:00	4	Within Campus	10	1	0	0	11	No	No
29	Front End Development Using Angular	Innovation	Workshop	Institute Lead Activity	IT Dept,AJCE	25-09-2019 00:00:00	26-09-2019 00:00:00	2	Within Campus	38	0	0	0	38	No	No
30	Front End Development Using Flutter	Innovation	Workshop	Institute Lead Activity	IT Dept,AJCE	21-02-2020 00:00:00	22-02-2020 00:00:00	2	Within Campus	21	0	0	0	21	No	No
31	Induction program	Entrepreneurship/Startup	Orientation Session	Institute Lead Activity	AJCE	25-07-2019 00:00:00	25-07-2019 00:00:00	1	Within Campus	59	0	0	0	59	No	No
32	3D printing workshop Modern Manufacturing Techniques on advanced materials	Innovation	Workshop	Institute Lead Activity	Metallurgical and materials Engineering	28-04-2019 00:00:00	29-04-2019 00:00:00	2	Within Campus	60	12	5	19	96	No	No

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

33	INNOVATIONS IN TEACHING-LEARNING. A GLOBAL PERSPECTIVE	Innovation	Seminar	Institute Lead Activity	Humanities Department	14-07-2019 00:00:00	16-07-2019 00:00:00	3	Within Campus	6	28	56	236	326	No	No
34	Industrial Visit to KITEX Ltd.	Innovation	Exposure visit	Institute Lead Activity	Chemical Engineering	27-04-2019 00:00:00	27-04-2019 00:00:00	1	Outside Campus	56	2	0	0	58	No	No
35	Industrial Visit to MRCMPU Ltd. (milma)	Innovation	Exposure visit	Institute Lead Activity	Chemical Engineering	10-07-2019 00:00:00	10-07-2019 00:00:00	1	Outside Campus	61	3	0	0	64	No	No
36	1K Youth Chemical Department	Entrepreneurship/Startup	Awareness	Student Lead Activity	Startups Valley TBI Makerhub IEDC	13-01-2020 00:00:00	14-01-2020 00:00:00	2	Within Campus	60	2	0	0	62	No	No
37	1K Youth Civil Department	Entrepreneurship/Startup	Awareness	Student Lead Activity	Startups Valley TBI Makerhub IEDC	15-01-2020 00:00:00	16-01-2020 00:00:00	2	Within Campus	123	4	0	0	127	No	No
38	1K Youth Computer Science Department	Entrepreneurship/Startup	Awareness	Student Lead Activity	Startups Valley TBI Makerhub IEDC	17-01-2020 00:00:00	18-03-2020 00:00:00	62	Within Campus	127	4	0	0	131	No	No
39	1K Youth Food Technology Department	Entrepreneurship/Startup	Awareness	Student Lead Activity	Startups Valley TBI Makerhub IEDC	20-01-2020 00:00:00	21-01-2020 00:00:00	2	Within Campus	55	2	0	0	57	No	No
40	1K Youth Electrical & Electronics Department	Entrepreneurship/Startup	Awareness	Student Lead Activity	Startups Valley TBI Makerhub IEDC	22-01-2020 00:00:00	23-01-2020 00:00:00	2	Within Campus	85	4	0	0	89	No	No
41	1K Youth Electronics & Communication Department	Entrepreneurship/Startup	Awareness	Student Lead Activity	Startups Valley TBI Makerhub IEDC	24-01-2020 00:00:00	25-01-2020 00:00:00	2	Within Campus	47	2	0	0	49	No	No
42	1K Youth Information & Technology Department	Entrepreneurship/Startup	Awareness	Student Lead Activity	Startups Valley TBI Makerhub IEDC	27-01-2020 00:00:00	28-01-2020 00:00:00	2	Within Campus	45	2	0	0	47	No	No

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

43	1K Youth Mechanical Engineering Department	Entrepreneurship/Startup	Awareness	Student Lead Activity	Startups Valley TBI Makerhub IEDC	29-01-2020 00:00:00	30-01-2020 00:00:00	2	Within Campus	114	4	0	0	118	No	No
44	1K Youth Mechanical Engineering Automobile Department	Entrepreneurship/Startup	Awareness	Student Lead Activity	Startups Valley TBI Makerhub IEDC	31-01-2020 00:00:00	01-02-2020 00:00:00	2	Within Campus	47	2	0	0	49	No	No
45	1K Youth Metallurgical & Materials Department	Entrepreneurship/Startup	Awareness	Student Lead Activity	Startups Valley TBI Makerhub IEDC	13-01-2020 00:00:00	14-01-2020 00:00:00	2	Within Campus	24	2	0	0	26	No	No
46	1K Youth MCA Department	Entrepreneurship/Startup	Conference	Student Lead Activity	Startups Valley TBI Makerhub IEDC	06-01-2020 00:00:00	06-01-2020 00:00:00	1	Within Campus	127	6	0	0	133	No	No
47	ISBACON Pre Conference	Entrepreneurship/Startup	Conference	Institute Lead Activity	Startups Valley TBI Makerhub IEDC, ISBA, DST, BIRAC, KSUM	18-07-2019 00:00:00	19-07-2019 00:00:00	2	Outside Campus	220	78	0	179	477	No	No
48	ISBACON Conference	Entrepreneurship/Startup	Conference	Institute Lead Activity	Startups Valley TBI Makerhub IEDC, ISBA, DST, BIRAC, KSUM	18-07-2019 00:00:00	19-07-2019 00:00:00	2	Within Campus	220	78	0	179	477	No	No
49	FDP	Entrepreneurship/Startup	Training	Institute Lead Activity	Startups Valley TBI Makerhub IEDC, ISBA, DST, BIRAC, KSUM	09-09-2019 00:00:00	29-09-2019 00:00:00	21	Within Campus	0	7	0	16	23	No	No

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

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 /	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
------	-----------------------------	---------------	--------------	------------------------------------	------------------------	--------------------	------------------	----------------------------	-------------------------	------------------------	------------------------------	----------------------------------	--	--	--	---

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

														Recogniti on		
1	National conference	Innovation	Conference	Kovai Kolaimagal College of Arts Science	Educational Institute	03-04-2019 00:00:00	03-04-2019 00:00:00	1	450	25	475	No	---	---	No	No
2	Theeram-Seminar	Entrepreneurship/Startup	Seminar	Agro Park Piravam	Corporate / Industry Association	14-06-2019 00:00:00	14-06-2019 00:00:00	1	125	0	125	No	---	---	No	No
3	Innovation Entrepreneurship Development	Innovation	Seminar	GIT Polytechnic, Kangazha	Educational Institute	25-06-2019 00:00:00	25-06-2019 00:00:00	1	156	15	171	No	---	---	No	No
4	FDP-Entrepreneurship	Entrepreneurship/Startup	Seminar	HHMSPB NSS College for Women, Trivandrum	Educational Institute	25-07-2019 00:00:00	25-07-2019 00:00:00	1	0	4	4	No	---	---	No	No
5	Interaction with farmers One day session at Idukki	Innovation	Seminar	District Industry Center, Idukki	Govt. Agency (Central)	10-04-2019 00:00:00	10-04-2019 00:00:00	1	75	0	75	No	---	---	No	No
6	One day session on Innovation Entrepreneurship	Innovation	Orientation Session	IEDC, NSS Polytechnic, Pandalam	Educational Institute	16-12-2019 00:00:00	16-12-2019 00:00:00	1	75	0	75	No	---	---	No	No
7	Two day training on Innovation ecosystem Development	Innovation	Training	MIT Kannur	Educational Institute	30-12-2019 00:00:00	31-12-2019 00:00:00	2	0	43	43	No	---	---	No	No
8	One day session on Innovation Entrepreneurship	Innovation	Seminar	PRS College of Engineering, Trivandrum	Educational Institute	24-01-2020 00:00:00	24-01-2020 00:00:00	1	96	7	103	No	---	---	No	No
9	Workshop in Innovation and Entrepreneurship	Innovation	Workshop	Mangalam College of Engineering, Kottayam	Educational Institute	12-02-2020 00:00:00	12-02-2020 00:00:00	1	76	3	79	No	---	---	No	No

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

10	One day session on Innovation Entrepreneurship	Innovation	Seminar	Sreebuddha Engineering College Patture	Educational Institute	03-03-2020 00:00:00	03-03-2020 00:00:00	1	148	11	159	No	---	---	No	No
11	One day session on Innovation Entrepreneurship	Innovation	Seminar	Dept of ME, Government Polytechnic College - Palakkad	Educational Institute	15-03-2020 00:00:00	15-03-2020 00:00:00	1	76	5	81	No	---	---	No	No
12	augmented reality	Innovation	Skill development	pacelab kochi	Educational Institute	23-07-2019 00:00:00	23-07-2019 00:00:00	1	6	2	8	No	---	---	No	No
13	3D printing	Innovation	Skill development	NIT CALICUT	Educational Institute	10-01-2020 00:00:00	12-01-2020 00:00:00	3	1	1	2	No	---	---	No	No
14	SUSTAINABILITY AND GREEN TECHNOLOGY FOR BETTER FUTURE	Innovation	Skill development	AMRITHA VISVA VIDYAPE EDAM	Educational Institute	30-01-2020 00:00:00	01-02-2020 00:00:00	3	1	0	1	No	---	---	No	No
15	INDUSTRIAL AUTOMATION	Innovation	Skill development	NIT CALICUT	Educational Institute	10-01-2020 00:00:00	12-01-2020 00:00:00	3	1	0	1	No	---	---	No	No
16	Project Planning and Control	Entrepreneurship/Startup	Training	nptel online	Govt. Agency (Central)	01-07-2019 00:00:00	09-07-2019 00:00:00	9	1	0	1	No	---	---	No	No
17	WORKSHOP ON RENOVATION AND RETROFITTING	Entrepreneurship/Startup	Skill development	tkm college, kollam	Educational Institute	05-03-2020 00:00:00	08-03-2020 00:00:00	4	2	0	2	No	---	---	No	No
18	Auto cad and basics of 3d modelling	Entrepreneurship/Startup	Skill development	online	Non-Govt. Agencies	20-03-2020 00:00:00	31-03-2020 00:00:00	12	1	0	1	No	---	---	No	No
19	Prefab workshop	Innovation	Skill development	college of engineering trivandrum	Educational Institute	24-01-2020 00:00:00	25-01-2020 00:00:00	2	2	0	2	No	---	---	No	No

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

20	Geotechniques for High speed Corridors , GHC 2019	Innovation	Conference	college of engineering trivandrum	Educational Institute	24-07-2019 00:00:00	27-07-2019 00:00:00	4	0	1	1	No	---	---	No	No
21	Characterization and Micro Structure Analysis of Concrete	Innovation	Workshop	VIT University - Vellore	Educational Institute	09-07-2019 00:00:00	17-07-2019 00:00:00	9	1	0	1	No	---	---	No	No
22	Advanced Concrete Technology	Innovation	Training	IIT Madras	Educational Institute	18-11-2019 00:00:00	23-11-2019 00:00:00	6	1	1	2	No	---	---	No	No
23	Structural and Durability Performance of Post Tensioned Bridges and Buildings	Innovation	Seminar	IIT Madras	Educational Institute	12-04-2019 00:00:00	12-04-2019 00:00:00	1	1	1	2	No	---	---	No	No
24	geotechnical engineering laboratory	Innovation	Training	nptel online, IITB	Educational Institute	15-07-2019 00:00:00	19-07-2019 00:00:00	5	0	1	1	No	---	---	No	No
25	Advanced Concrete Technology	Innovation	Training	IIT Madras	Educational Institute	18-11-2019 00:00:00	23-11-2019 00:00:00	6	1	0	1	No	---	---	No	No
26	Structural and Durability Performance of Post Tensioned Bridges and Buildings	Innovation	Seminar	IIT Madras	Educational Institute	04-12-2019 00:00:00	04-12-2019 00:00:00	1	1	0	1	No	---	---	No	No
27	geotechnical engineering laboratory	Innovation	Training	nptel online, IITB	Educational Institute	15-07-2019 00:00:00	15-08-2019 00:00:00	32	0	1	1	No	---	---	No	No
28	STRENGTH OF MATERIALS	Innovation	Training	nptel online, IIT KARAGPUR	Educational Institute	07-07-2019 00:00:00	10-10-2019 00:00:00	96	0	2	2	No	---	---	No	No

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

29	21st Annual CFD Symposium, NAL, Bangalore	Innovation	Conference	NAL, BANGLORE	Educational Institute	08-08-2019 00:00:00	09-08-2019 00:00:00	2	6	0	6	No	---	---	No	No
30	Indian Conference on Geotechnical and Geoenvironmental Engineering, ICGGE-2019,	Innovation	Conference	MNNIT Allahabad,	Educational Institute	30-04-2019 00:00:00	30-04-2019 00:00:00	1	0	1	1	No	---	---	No	No
31	internship at palathra constructions	Innovation	Training	palathra constructions	Non-Govt. Agencies	24-06-2019 00:00:00	12-07-2019 00:00:00	19	1	0	1	No	---	---	No	No
32	internship	Innovation	Training	N.J.thomas and amp Co Builders and developers	Non-Govt. Agencies	24-06-2019 00:00:00	27-07-2019 00:00:00	34	5	0	5	No	---	---	No	No
33	internship	Innovation	Training	skyline builders	Non-Govt. Agencies	22-07-2019 00:00:00	27-07-2019 00:00:00	6	12	0	12	No	---	---	No	No
34	internship	Innovation	Training	Steel and Industrial Forgings Limited	Non-Govt. Agencies	26-07-2019 00:00:00	31-07-2019 00:00:00	6	12	0	12	No	---	---	No	No
35	internship	Innovation	Training	Ajith constructions	Non-Govt. Agencies	19-07-2019 00:00:00	24-07-2019 00:00:00	6	7	0	7	No	---	---	No	No
36	internship	Innovation	Training	Bibad consortium project and infrastructure Pvt lmt	Non-Govt. Agencies	13-07-2019 00:00:00	27-07-2019 00:00:00	15	4	0	4	No	---	---	No	No
37	internship	Innovation	Training	Rajadhani Finishing school	Non-Govt. Agencies	24-04-2019 00:00:00	28-04-2019 00:00:00	5	66	0	66	No	---	---	No	No
38	NPTEL 12 week course on The Joy of Computing using Python	Innovation	Workshop	IIT-Chennai	Educational Institute	01-07-2019 00:00:00	19-09-2019 00:00:00	81	84	1	85	No	---	---	No	No

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

39	8 weeks NPTEL course on Technologies for clean and renewable energy production	Innovation	Training	NPTEL	Govt. Agency (Central)	19-07-2019 00:00:00	19-09-2019 00:00:00	63	56	10	66	No	---	---	No	No
40	internship	Innovation	Training	Nibraz builders	Non-Govt. Agencies	21-05-2019 00:00:00	25-05-2019 00:00:00	5	1	0	1	No	---	---	No	No
41	Workshop on DIY Dye Sensitized Solar Cell	Entrepreneurship/Startup	Workshop	Amrita Vishwa Vidyapeetham	Educational Institute	30-01-2020 00:00:00	30-01-2020 00:00:00	1	1	4	5	No	---	---	No	No
42	AWS Innovate Online Conference	Innovation	Conference	Amazon	International Agencies	18-09-2019 00:00:00	18-09-2019 00:00:00	1	0	1	1	No	---	---	No	No
43	Reboot Kerala Hackathon 2020 - Tourism and Home Affairs	Innovation	Hackathon	ASAP and Department of Higher Education, Govt. of Kerala	Govt. Agency (State)	14-02-2020 00:00:00	16-02-2020 00:00:00	3	2	6	8	No	---	---	No	No
44	Reboot Kerala Hackathon 2020 - Agriculture	Innovation	Hackathon	ASAP and Department of Higher Education, Govt. of Kerala	Govt. Agency (State)	28-02-2020 00:00:00	01-03-2020 00:00:00	3	2	6	8	No	---	---	No	No
45	Teachers training programme on Domestic Biometric Data Operator	Innovation	Skill development	PSS Central Vocational Education Bhopal	Educational Institute	18-11-2019 00:00:00	22-11-2019 00:00:00	5	5	0	5	No	---	---	No	No
46	Artificial Intelligence and Machine Learning	Innovation	Workshop	Ahalia School of Engineering and Technology, Palakkad, Kerala	Educational Institute	28-08-2019 00:00:00	29-08-2019 00:00:00	2	0	1	1	No	---	---	No	No
47	Embedded System and Robotics	Entrepreneurship/Startup	Training	INFOX technologies	Non-Govt. Agencies	22-07-2019 00:00:00	28-07-2019 00:00:00	7	15	2	17	No	---	---	No	No

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

48	On-Line Engineering Education for Electronics and Telecoms Multi-User, Remotely Controlled Hardware Experiments	Innovation	Seminar	IFEES GEDC IUCEE Global Webinars	International Agencies	23-03-2020 00:00:00	23-03-2020 00:00:00	1	1	0	1	No	---	---	No	No
49	Embedded System	Entrepreneurship/Startup	Training	PACE LAB, The Institution of Engineering and Technology	Non-Govt. Agencies	28-07-2019 00:00:00	01-08-2019 00:00:00	5	15	2	17	No	---	---	No	No
50	Introduction to data analytics for Business	Innovation	Seminar	University of Colorado	Educational Institute	06-03-2020 00:00:00	06-03-2020 00:00:00	1	1	0	1	No	---	---	No	No
51	Current Trends In Polymer Science	Innovation	Conference	Cochin University of Science and Technology	Educational Institute	28-02-2020 00:00:00	28-02-2020 00:00:00	1	1	2	3	No	---	---	No	No
52	International conferences on advances in Materials and Manufacturing Applications	Innovation	Conference	Amrita Vishwa Vidyapeetham	Educational Institute	29-08-2019 00:00:00	31-08-2019 00:00:00	3	5	1	6	No	---	---	No	No
53	Movable skeleton exhibit for public exhibition ,held as a part of thiruvalla Pushpamela 2020	Innovation	Exhibition	Pushpagiri institute of medical science and research centre.	Educational Institute	27-02-2020 00:00:00	27-02-2020 00:00:00	1	1	8	9	No	---	---	No	No
54	3D printing and robotics	Innovation	Workshop	St. Marys College Manarcad	Educational Institute	17-02-2020 00:00:00	17-02-2020 00:00:00	1	1	1	2	No	---	---	No	No

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

55	Annual International conference on Emerging research areas- International conference on Emerging Technologies for sustainability	Entrepreneurship/Startup	Conference	Amal Jyothi College of Engineering	Educational Institute	18-07-2019 00:00:00	19-07-2019 00:00:00	2	56	2	58	No	---	---	No	No
56	Photovoltaic System	Innovation	Workshop	PACELAB and Dept. Of EEE- College of Engineering, Trivandrum	Educational Institute	15-02-2020 00:00:00	17-02-2020 00:00:00	3	1	4	5	No	---	---	No	No
57	VLSI workshop	Innovation	Workshop	IEEE Students College of engineering Munnar	Educational Institute	14-02-2020 00:00:00	14-03-2020 00:00:00	30	1	1	2	No	---	---	No	No
58	SRISHTI 2020, National Level Technical Project Exhibition	Innovation	Exhibition	SaintGits College, Kottayam	Educational Institute	11-02-2020 00:00:00	11-02-2020 00:00:00	1	1	3	4	No	---	---	No	No
59	Gramika Celebration- 3D printing and robotics	Innovation	Exhibition	ST.Marys college Manarcad	Educational Institute	01-02-2020 00:00:00	02-02-2020 00:00:00	2	2	1	3	No	---	---	No	No
60	Kerala Robot Hackathon	Innovation	Hackathon	ASAP and Govt. of Kerala Holy Grace Academy of management, Mala, Thrissur	Govt. Agency (State)	31-01-2020 00:00:00	02-02-2020 00:00:00	3	3	1	4	No	---	---	No	No
61	Swarm Eobotics as part of Ragam 20	Innovation	Workshop	NIT Calicut	Educational Institute	10-01-2020 00:00:00	12-01-2020 00:00:00	3	3	5	8	No	---	---	No	No

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

62	3rd International conference exhibition on fatigue, Durability and fracture mechanics	Entrepreneurship/Startup	Conference	Institute of structural Integrity and failure studies, Visvesvaraya Technological University(VTU),d hio center for excellence	Educational Institute	29-08-2019 00:00:00	31-08-2019 00:00:00	3	25	2	27	No	---	---	No	No
63	Virtual learning in visualise numbers through MS-power BI	Innovation	Skill development	SRM institute of science and technology, Chennai	Educational Institute	06-01-2020 00:00:00	06-01-2020 00:00:00	1	1	0	1	No	---	---	No	No
64	Communication systems and Networks	Innovation	Conference	Mar baselious College of Engineering and Technology, Trivandrum jointly with university of Dayton ,USA	Educational Institute	13-12-2019 00:00:00	14-12-2019 00:00:00	2	2	0	2	No	---	---	No	No
65	Modern Research strategies in condition monitoring of power equipment	Innovation	Skill development	SaintGits College, Kottayam	Educational Institute	09-12-2019 00:00:00	13-12-2019 00:00:00	5	0	9	9	No	---	---	No	No
66	Student Induction Program for AICTE approved institutions	Innovation	Orientation Session	Mangalam College of Engineering, Ettumanoor, Kottayam	Educational Institute	26-11-2019 00:00:00	29-11-2019 00:00:00	4	3	0	3	No	---	---	No	No
67	Introduction to Robotics as part of IEE Kochi Hub Met19	Innovation	Seminar	SJCE Palai	Educational Institute	11-11-2019 00:00:00	11-11-2019 00:00:00	1	1	2	3	No	---	---	No	No

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

68	Artificial Intelligence as part of Takshak-19	Innovation	Workshop	MA college of Engineering kothamangalam	Educational Institute	11-10-2019 00:00:00	12-10-2019 00:00:00	2	2	3	5	No	---	---	No	No
69	ENOVA , national level tech fest conducted by IEDC of during	Innovation	Exhibition	MEA Engineering College, Perinthalmanna	Educational Institute	30-08-2019 00:00:00	01-09-2019 00:00:00	3	3	0	3	No	---	---	No	No
70	Internship from Kondody Foam Tech Alappuzha	Innovation	Training	Kondody Foam Tech Alappuzha	Corporate / Industry Association	25-07-2019 00:00:00	31-07-2019 00:00:00	7	7	0	7	No	---	---	No	No
71	Internship from KEL Kochi	Innovation	Training	KEL Kochi	Govt. Agency (State)	22-07-2019 00:00:00	26-07-2019 00:00:00	5	0	10	10	No	---	---	No	No
72	Internship from Traco Cable , Thiruvalla	Innovation	Training	Traco Cable , Thiruvalla	Govt. Agency (State)	17-07-2019 00:00:00	23-07-2019 00:00:00	7	2	0	2	No	---	---	No	No
73	Internship from Keltron, Ernakulam	Innovation	Training	keltron, Ernakulam	Govt. Agency (State)	10-07-2019 00:00:00	16-07-2019 00:00:00	7	6	5	11	No	---	---	No	No
74	Internship from KSEB, Kulathupuzha	Innovation	Training	KSEB, Kulathupuzha	Govt. Agency (State)	08-07-2019 00:00:00	12-07-2019 00:00:00	5	2	0	2	No	---	---	No	No
75	Recent Advances in Fuel Cells	Innovation	Skill development	St. Joseph College of Engineering and Technology, Palai.	Educational Institute	08-07-2019 00:00:00	12-07-2019 00:00:00	5	0	3	3	No	---	---	No	No
76	Electric Vehicle Development, Integration Challenges	Innovation	Skill development	TKM College of Engg. Kollam	Educational Institute	08-07-2019 00:00:00	12-07-2019 00:00:00	5	0	1	1	No	---	---	No	No

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

77	Internship from Infox technologies, Kakkana d	Innovation	Training	Infox technologies, Kakkana d	Non-Govt. Agencies	05-07-2019 00:00:00	22-07-2019 00:00:00	18	0	6	6	No	---	---	No	No
78	Internship from ICT Academy, Trivandrum	Innovation	Training	ICT Academy, Trivandrum	Non-Govt. Agencies	15-07-2019 00:00:00	19-07-2019 00:00:00	5	0	2	2	No	---	---	No	No
79	Internship from Hameed Engineering Bahrain	Innovation	Training	Hameed Engineering Bahrain	Non-Govt. Agencies	03-07-2019 00:00:00	16-07-2019 00:00:00	14	0	1	1	No	---	---	No	No
80	Internship from KEL Kundara	Innovation	Training	KEL Kundara	Govt. Agency (Central)	01-07-2019 00:00:00	09-07-2019 00:00:00	9	0	7	7	No	---	---	No	No
81	Internship from STS BUHINDI WLL Bahrain	Innovation	Training	WLL Bahrain	Non-Govt. Agencies	01-07-2019 00:00:00	30-07-2019 00:00:00	30	0	1	1	No	---	---	No	No
82	Power Electronic converters for renewable energy system	Innovation	Skill development	kalasalingam Academy of Research and Education	Educational Institute	12-06-2019 00:00:00	14-06-2019 00:00:00	3	0	1	1	No	---	---	No	No
83	KADS Green Fest 2K19	Innovation	Training	Kerala Agricultural Rural Development Society at Thodupuzha	Govt. Agency (State)	05-05-2019 00:00:00	05-05-2019 00:00:00	1	5	0	5	No	---	---	No	No
84	NAVIRITI 19 project competition as part of SWASTIKA 19	Innovation	Innovation Contest	MBCE Peermadurai	Educational Institute	24-04-2019 00:00:00	25-04-2019 00:00:00	2	0	4	4	No	---	---	No	No

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

85	Embedded system design at TKM	Innovation	Workshop	EdGate University Program EdGate technologies TI university program	Educational Institute	30-04-2019 00:00:00	30-04-2019 00:00:00	1	1	0	1	No	---	---	No	No
86	canquer	Innovation	Hackathon	Kerala Startup Mission , Kochi	Govt. Agency (State)	09-11-2019 00:00:00	10-11-2019 00:00:00	2	3	0	3	No	---	---	No	No
87	AARUUSH	Innovation	Hackathon	SRM INSTITUTE OF SCIENCE AND TECHNOLOGY	Govt. Agency (State)	30-08-2019 00:00:00	01-09-2019 00:00:00	3	4	0	4	No	---	---	No	No
88	India Innovation Series	Innovation	Innovation Contest	India Innovation Series , Bangalore	Educational Institute	21-12-2019 00:00:00	22-12-2019 00:00:00	2	4	0	4	No	---	---	No	No
89	National level project competition NAVRITI 20	Innovation	Innovation Contest	MBC Peermedu	Educational Institute	06-03-2020 00:00:00	06-03-2020 00:00:00	1	1	0	1	No	---	---	No	No
90	Blind Coding in Hestia20	Innovation	Skill development	TKM College of Engg., Kollam	Educational Institute	05-03-2020 00:00:00	05-03-2020 00:00:00	1	1	0	1	No	---	---	No	No
91	Workshop SWASTHIKA2020	Innovation	Workshop	MBC, Peermedu	Educational Institute	06-03-2020 00:00:00	06-03-2020 00:00:00	1	2	0	2	No	---	---	No	No
92	Machine Learning	Innovation	Training	Aabasoft Technologies Pvt Ltd, Kochi	Educational Institute	26-12-2019 00:00:00	30-12-2019 00:00:00	5	1	0	1	No	---	---	No	No
93	AI ML Training	Innovation	Training	Inker Robotic Solutions Pvt. Ltd	Educational Institute	27-07-2019 00:00:00	27-07-2019 00:00:00	1	6	0	6	No	---	---	No	No
94	AI from the data center to the Edge an optimized path using Intel Architecture	Innovation	Training	Intel AI Academy	Educational Institute	03-07-2019 00:00:00	03-07-2019 00:00:00	1	2	0	2	No	---	---	No	No

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

95	Fundamentals of Computer Hacking	Innovation	Training	InfySEC Global	Educational Institute	23-02-2020 00:00:00	23-02-2020 00:00:00	1	1	0	1	No	---	---	No	No
96	100K Coding challenge	Innovation	Skill development	Packager Academy	Educational Institute	20-11-2019 00:00:00	27-02-2020 00:00:00	10	1	0	1	No	---	---	No	No
97	Industrial visit	Innovation	Exposure visit	Seeroot IT Solutions Pvt.Ltd	Corporate / Industry Association	24-02-2020 00:00:00	24-02-2020 00:00:00	1	25	2	27	No	---	---	No	No
98	Industrial visit	Innovation	Exposure visit	TCS Infopark, Kochi	Corporate / Industry Association	22-04-2019 00:00:00	25-04-2019 00:00:00	4	26	2	28	No	---	---	No	No
99	Innovate for Entrepreneurship	Entrepreneurship/Startup	Mentoring Session	RAFTAA R Agri Business Incubation (RABI) Center, Kerala Agril. University (KAU), Mannuthy, Thrissur	Educational Institute	20-06-2019 00:00:00	20-06-2019 00:00:00	1	0	1	1	No	---	---	No	No
100	An Overview of Intellectual Property Rights	IPR	Seminar	Sri Vellappally Natesan College of Engineering, Mavelikara	Educational Institute	09-04-2019 00:00:00	09-04-2019 00:00:00	1	0	1	1	No	---	---	No	No
101	Intellectual Property Rights, Technology Development Startup	IPR	Workshop	NIT, Trichy	Educational Institute	09-12-2019 00:00:00	13-12-2019 00:00:00	5	0	1	1	No	---	---	No	No
102	Seminar on IPR	IPR	Seminar	Deva Matha College, Kuravilangad	Educational Institute	21-01-2020 00:00:00	21-01-2020 00:00:00	1	1	0	1	No	---	---	No	No
103	Seminar on IPR	IPR	Seminar	St. Thomas College, Thrissur	Educational Institute	23-03-2020 00:00:00	23-03-2020 00:00:00	1	1	0	1	No	---	---	No	No

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

104	Entrepreneurship and Product Development	Entrepreneurship/Startup	Workshop	Mangalam College of Engineering, Ettumanoor	Educational Institute	14-02-2020 00:00:00	15-02-2020 00:00:00	2	0	2	2	No	---	---	No	No
-----	--	--------------------------	----------	---	-----------------------	---------------------	---------------------	---	---	---	---	----	-----	-----	----	----

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	Design Project	Innovation	Elective/Core Credit Course	Bachelor	Mechanical Engineering(Automobile)	17-08-2020	13-12-2020	119	Online	37	42
2	Project	Innovation	Elective/Core Credit Course	Bachelor	Mechanical Engineering(Automobile)	16-08-2019	31-07-2020	351	Offline	37	252
3	Principles of management	Entrepreneurship/Startup	Elective/Core Credit Course	Bachelor	Mechanical Engineering(Automobile)	19-01-2019	14-05-2019	116	Offline	37	42
4	Principles of management	Entrepreneurship/Startup	Elective/Core Credit Course	Bachelor	Mechanical Engineering(Automobile)	13-01-2020	07-04-2020	86	Offline	47	42
5	DESIGN PROJECT	Innovation	Elective/Core Credit Course	Bachelor	CIVIL ENGINEERING	19-07-2019	20-01-2020	186	Offline	122	63
6	DESIGN AND ENGINEERING	Innovation	Elective/Core Credit Course	Bachelor	CIVIL ENGINEERING	01-07-2019	14-01-2020	198	Offline	120	91
7	PROJECT	Innovation	Elective/Core Credit Course	Bachelor	CIVIL ENGINEERING	01-06-2019	30-06-2019	30	Offline	120	90
8	MICRO PROJECT	Innovation	Elective/Core Credit Course	Bachelor	CIVIL ENGINEERING	31-07-2019	01-01-2020	155	Offline	98	50
9	Disaster Management	Innovation	Elective/Core Credit Course	Bachelor	CIVIL ENGINEERING	24-07-2019	02-01-2020	163	Offline	5	50
10	highway planning and engineering	Innovation	Elective/Core Credit Course	Bachelor	CIVIL ENGINEERING	17-07-2019	05-01-2020	173	Offline	50	100
11	municipal solid waste management	Innovation	Elective/Core Credit Course	Bachelor	CIVIL ENGINEERING	12-08-2019	03-02-2020	176	Offline	150	63
12	Design Project	Innovation	Elective/Core Credit Course	Credit Course (Compulsory)	Computer Science and Engineering	01-08-2019	26-11-2019	118	Offline	128	63
13	Design and Engineering	Innovation	Elective/Core Credit Course	Credit Course (Compulsory)	Computer Science and Engineering	13-01-2020	28-04-2020	107	Offline	136	91

14	Project	Innovation	Elective/Core Credit Course	Credit Course (Compulsory)	Computer Science and Engineering	13-01-2020	28-04-2020	107	Offline	123	250
15	Project (Phase I)	Innovation	Elective/Core Credit Course	Credit Course (Compulsory)	Computer Science and Engineering	01-08-2019	25-11-2019	117	Offline	5	175
16	Project (Phase II)	Innovation	Elective/Core Credit Course	Credit Course (Compulsory)	Computer Science and Engineering	14-01-2020	29-04-2020	107	Offline	5	220
17	EC 492 Project	Innovation	Elective/Core Credit Course	Bachelor	Electronics and Communication Engineering	30-08-2019	30-04-2020	245	Offline	109	113
18	Design Project	Innovation	Elective/Core Credit Course	Bachelor	Electronics and Communication Engineering	03-08-2019	29-11-2019	119	Offline	90	37
19	Design project	Innovation	Elective/Core Credit Course	Credit Course (Compulsory)	Electrical and Electronics Engineering	10-07-2019	06-01-2020	181	Offline	48	36
20	Illumination Technology	Innovation	Short term Course	Major/Minor Specialization	Electrical and Electronics Engineering	16-07-2019	20-01-2020	189	Offline	9	32
21	IOT	Innovation	Short term Course	Major/Minor Specialization	Electrical and Electronics Engineering	23-07-2019	06-01-2020	168	Offline	4	30
22	Switched Mode Power Converter-	Innovation	Short term Course	Credit Course (Compulsory)	Electrical and Electronics Engineering	08-07-2019	19-01-2020	196	Offline	11	72
23	Energy Management and Auditing	Innovation	Short term Course	Credit Course (Compulsory)	Electrical and Electronics Engineering	16-07-2019	29-01-2020	198	Offline	20	30
24	Environmental Impact Assessment	Innovation	Elective/Core Credit Course	Credit Course (Compulsory)	Electrical and Electronics Engineering	08-07-2019	14-01-2020	191	Offline	5	30
25	Disaster Management	Innovation	Elective/Core Credit Course	Credit Course (Compulsory)	Electrical and Electronics Engineering	23-07-2019	23-01-2020	185	Offline	6	30
26	Environmental Health and Safety	Innovation	Short term Course	Credit Course (Compulsory)	Electrical and Electronics Engineering	15-07-2019	09-01-2020	179	Offline	10	30
27	Food additives and flavorings	Innovation	Short term Course	Credit Course (Compulsory)	Electrical and Electronics Engineering	16-07-2019	20-01-2020	189	Offline	15	30
28	Industrial Safety	Innovation	Short term Course	Credit Course (Compulsory)	Electrical and Electronics Engineering	30-07-2019	20-01-2020	175	Offline	7	30
29	IOT	Innovation	Elective/Core Credit Course	Bachelor	Information Technology AJCE	02-01-2019	27-04-2019	116	Offline	33	45
30	INDUSTRIAL SAFETY	Innovation	Elective/Core Credit Course	Bachelor	MT	02-01-2019	27-04-2019	116	Offline	17	45
31	OPERATIONS RESEARCH	Innovation	Elective/Core Credit Course	Bachelor	BS	02-01-2020	27-04-2020	117	Offline	1	30

32	DISASTER MANAGEMENT	Innovation	Elective/Core Credit Course	Bachelor	CE	02-01-2020	27-04-2020	117	Offline	4	45
33	ENERGY CONSERVATION AND MANAGEMENT	Innovation	Elective/Core Credit Course	Bachelor	ME	02-01-2020	05-04-2020	95	Offline	10	45
34	Design Project	Innovation	Elective/Core Credit Course	Bachelor	IT	08-01-2020	07-04-2020	91	Offline	39	30
35	FOOD ADDITIVES AND FLAVOURING	Innovation	Elective/Core Credit Course	Bachelor	CH and FT	02-01-2020	08-04-2020	98	Offline	2	30
36	Design Project	Innovation	Elective/Core Credit Course	Bachelor	Dept of Mechanical Engineering	01-08-2019	25-11-2019	117	Offline	128	42
37	Composite Materials and Mechanics	Innovation	Elective/Core Credit Course	Bachelor	Dept of Mechanical Engineering	01-09-2019	25-11-2020	452	Offline	63	42
38	Non-Destructive Testing	Innovation	Elective/Core Credit Course	Bachelor	Dept of Mechanical Engineering	01-09-2019	25-11-2020	452	Offline	45	42
39	ENTREPRENEURSHIP AND INNOVATION (EI)	Innovation	Short term Course	Major/Minor Specialization	Master of Computer Applications	20-08-2019	16-12-2019	119	Offline	10	40
40	CLOUD COMPUTING (CC)	Entrepreneurship/Startup	Short term Course	Major/Minor Specialization	Master of Computer Applications	04-08-2019	09-12-2019	128	Offline	10	40
41	BIG DATA ANALYTICS (BDA)	Entrepreneurship/Startup	Short term Course	Major/Minor Specialization	Master of Computer Applications	05-08-2019	19-12-2019	137	Offline	10	40
42	CYBER SECURITY (CS)	Entrepreneurship/Startup	Short term Course	Major/Minor Specialization	Master of Computer Applications	02-08-2019	13-12-2019	134	Offline	10	40
43	INFRASTRUCTURE MANAGEMENT SERVICES (IMS)	Entrepreneurship/Startup	Short term Course	Major/Minor Specialization	Master of Computer Applications	07-08-2019	13-12-2019	129	Offline	10	40
44	DESIGN PROJECT	Innovation	Elective/Core Credit Course	Credit Course (Compulsory)	CHEMICAL ENGINEERING	14-08-2019	15-12-2019	124	Offline	67	42
45	PRINCIPLES OF MANAGEMENT	Entrepreneurship/Startup	Elective/Core Credit Course	Credit Course (Compulsory)	HUMANITIES	12-08-2019	06-12-2019	117	Offline	66	42
46	DISASTER MANAGEMENT	Innovation	Elective/Core Credit Course	Credit Course (Compulsory)	CIVIL ENGINEERING	13-08-2019	18-12-2019	128	Offline	16	42
47	OPERATIONS RESEARCH	Innovation	Elective/Core Credit Course	Credit Course (Compulsory)	MANAGEMENT STUDIES	12-08-2019	11-12-2019	122	Offline	21	42
48	ENERGY CONSERVATION AND MANAGEMENT	Innovation	Elective/Core Credit Course	Credit Course (Compulsory)	MECHANICAL ENGINEERING	16-08-2019	12-12-2019	119	Offline	19	42

LiList 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	FDP on two wheeler technology and trends	Entrepreneurship/Startup	FDP in I&E / IPR	Mechanical engineering Automobile	24-06-2019	28-06-2019	5	Offline	30	40
2	BIM training	Innovation	Employment Generation Training Programs	civil department	05-08-2019	09-08-2019	5	Offline	10	36
3	Internship on Solar PV System Design Operation Maintenance and monitoring aspects for BTech students In semester	Innovation	FDP in I&E / IPR	Electrical and Electronics Engineering Amal Jyothi Centre for Solar Energy Skill Training NSDC No 14560	14-01-2020	18-01-2020	5	Offline	34	30
4	Hands on internship Workshop on distribution board winding	Innovation	FDP in I&E / IPR	Electrical and Electronics Engineering Sigmos	23-08-2019	27-08-2019	5	Offline	40	30
5	FDP on Entrepreneurship	Entrepreneurship/Startup	FDP in I&E / IPR	Amal Jyothi College of Engineering Kanjirappally	09-12-2019	20-12-2019	12	Offline	10	30
6	ENTREPRENEURSHIP AND INNOVATION (EI)	Entrepreneurship/Startup	Employment Generation Training Programs	Master of Computer Applications	08-08-2019	11-12-2019	126	Offline	10	40
7	CLOUD COMPUTING (CC)	Entrepreneurship/Startup	Employment Generation Training Programs	Master of Computer Applications	05-08-2019	12-12-2019	130	Offline	10	40
8	BIG DATA ANALYTICS (BDA)	Entrepreneurship/Startup	Employment Generation Training Programs	Master of Computer Applications	05-08-2019	03-12-2019	121	Offline	10	40
9	CYBER SECURITY (CS)	Entrepreneurship/Startup	Employment Generation Training Programs	Master of Computer Applications	15-08-2019	18-12-2019	126	Offline	10	40
10	INFRASTRUCTURE MANAGEMENT SERVICES (IMS)	Entrepreneurship/Startup	Employment Generation Training Programs	Master of Computer Applications	05-08-2019	12-12-2019	130	Offline	10	40
11	Java Spring	Innovation	FDP in I&E / IPR	Master of Computer Applications	22-07-2019	27-07-2019	6	Offline	60	48
12	Red Hat Training	Innovation	FDP in I&E / IPR	Master of Computer Applications	29-01-2019	28-08-2019	212	Offline	25	80
13	PHP 7 Angular JS 6Laravel Android and Flutter	Innovation	FDP in I&E / IPR	Master of Computer Applications	03-01-2019	17-01-2019	15	Offline	25	110
14	Two weeks Faculty Development programme	IPR	FDP in I&E / IPR	TBI and IEDC	09-12-2019	21-12-2019	13	Offline	26	140
15	Two weeks Faculty Development programme	IPR	FDP in I&E / IPR	TBI and IEDC	13-01-2020	17-01-2020	5	Offline	62	30
16	1K Youth Chemical Department	IPR	EDP in I&E / IPR	TBI and IEDC	15-01-2020	23-01-2020	9	Offline	127	30
17	1K Youth Computer Science Department	IPR	EDP in I&E / IPR	TBI and IEDC	17-01-2020	23-01-2020	7	Offline	131	35
18	1K Youth Food Technology Department	IPR	FDP in I&E / IPR	TBI and IEDC	20-01-2020	24-01-2020	5	Offline	57	35
19	1K Youth Electrical and Electronics Department	IPR	FDP in I&E / IPR	TBI and IEDC	01-01-2020	23-01-2020	23	Offline	89	35

20	1K Youth Mechanical Engineering Department	IPR	FDP in I&E / IPR	TBI and IEDC	29-01-2020	07-02-2020	10	Offline	118	30
21	1K Youth Mechanical Engineering Automobile Department	IPR	EDP in I&E / IPR	TBI and IEDC	31-01-2020	11-02-2020	12	Offline	49	30
22	1K Youth Metallurgical and Materials Department	IPR	EDP in I&E / IPR	TBI and IEDC	31-01-2020	05-02-2020	6	Offline	27	30
23	1K Youth MCA Department	IPR	EDP in I&E / IPR	TBI and IEDC	05-01-2020	21-01-2020	17	Offline	133	30

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

Srno	Faculty Name	Department/Centre/Unit Name	Designation	Do you have a degree in I&E & IPR?	Had the faculty received training on I&E & IPR during AY 2019-20					
1	Dr. Asha Viswanath	Civil Engineering	Assistant Professor	No	Yes					
	Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)	Mode of Delivery	
	Smart Materials and Intelligent system design	Innovation	Short term Certificate	NPTEL	Non-Govt. Agencies	19-07-2019 00:00:00	17-08-2019 00:00:00	30	Online	
2	Belarmin Xavier	Civil Engineering	Assistant Professor	No	Yes					
	Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)	Mode of Delivery	
	ADVANCED CONCRETE TECHNOLOGY	Innovation	Short term Certificate	NPTEL	Non-Govt. Agencies	19-07-2019 00:00:00	19-10-2019 00:00:00	93	Online	
3	Anita Jose	Civil Engineering	Assistant Professor	No	Yes					
	Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)	Mode of Delivery	
	ELECTRONIC WASTE MANAGEMENT	Entrepreneurship/Startup, Innovation	Short term Certificate	NPTEL	Non-Govt. Agencies	21-01-2019 00:00:00	16-02-2019 00:00:00	27	Online	
4	Arun S	EEE	AP	No	Yes					
	Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)	Mode of Delivery	
	IBM ICE Global Certification Program in Artificial Intelligence	Entrepreneurship/Startup, Innovation	FDP in I&E, IPR	IBM	Corporate / Industry Association	13-02-2019 00:00:00	12-02-2020 00:00:00	365	Online	
5	Vinu Sankar	EEE	AP	No	Yes					
	Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)	Mode of Delivery	
	IBM ICE Global Certification Program in Artificial Intelligence	Entrepreneurship/Startup, Innovation	FDP in I&E, IPR	IBM	Corporate / Industry Association	19-02-2019 00:00:00	17-02-2020 00:00:00	364	Online	
6	Rohit Rajan Eapen	EEE	AP	No	Yes					

	Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)	Mode of Delivery
	IBM ICE Global Certification Program in Artificial Intelligence	Entrepreneurship/Startup, Innovation	FDP in I&E, IPR	IBM	Corporate / Industry Association	18-06-2019 00:00:00	16-09-2019 00:00:00	91	Online
7	Rani Chacko	EEE		AP		No		Yes	
	Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)	Mode of Delivery
8	Dr. S N Kumar	EEE		AP		No		Yes	
	Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)	Mode of Delivery
9	Dr S N Kumar	EEE		AP		No		Yes	
	Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)	Mode of Delivery
10	Dr. P C Thomas	EEE		Professor		No		Yes	
	Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)	Mode of Delivery
	NPTEL on Electromagnetism	Entrepreneurship/Startup	Short term Certificate	IISER Bhopal	Educational Institute	19-02-2019 00:00:00	19-04-2019 00:00:00	60	Online
11	Shiju George	Information Technology		Associate Professor		No		Yes	
	Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)	Mode of Delivery
12	Mr.Shiju George	IT		Associate Professor		No		No	
13	Teenu V Therese	Master of Computer Applications		Assistant Professor		Highest degree name in I&E and IPR	RHCSA RHCE	Yes	
					Degree Type	Diploma			
					Year of Highest degree in I&E and IPR	2019			
	Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)	Mode of Delivery
14	Sona Maria Sebastian	Master of Computer Applications		Assistant Professor		Highest degree name in I&E and IPR	RHCSA RHCE	Yes	
					Degree Type	Diploma			
					Year of Highest degree in I&E and IPR	2019			

	Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)	Mode of Delivery
15	Meera Rose Mathew	Master of Computer Applications		Assistant Professor		Highest degree name in I&E and IPR	RHCSA RHCE	Yes	
						Degree Type	Diploma		
						Year of Highest degree in I&E and IPR	2019		
	Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)	Mode of Delivery
16	Gloriya Mathew	Master of Computer Applications		Assistant Professor		Highest degree name in I&E and IPR	PHP 7 Angular JS 6 Laravel Android and Flutter	Yes	
						Degree Type	Diploma		
						Year of Highest degree in I&E and IPR	2019		
	Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)	Mode of Delivery
17	Jetty Benjamin	Master of Computer Applications		Assistant Professor		Highest degree name in I&E and IPR	PHP 7 Angular JS 6 Laravel Android and Flutter	Yes	
						Degree Type	Diploma		
						Year of Highest degree in I&E and IPR	2019		
	Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)	Mode of Delivery
18	Dilu Maria Joseph	Master of Computer Applications		Assistant Professor		Highest degree name in I&E and IPR	PHP 7 Angular JS 6 Laravel Android and Flutter	Yes	
						Degree Type	Diploma		
						Year of Highest degree in I&E and IPR	2019		
	Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)	Mode of Delivery

19	Jobin T J	Master of Computer Applications	Assistant Professor	Highest degree name in I&E and IPR		PHP 7 Angular JS 6 Laravel Android and Flutter		Yes	
				Degree Type		Diploma			
				Year of Highest degree in I&E and IPR		2019			
Training Name		Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)	Mode of Delivery
20	Teenu V Therese	Master of Computer Applications	Assistant Professor	Highest degree name in I&E and IPR		PHP 7 Angular JS 6 Laravel Android and Flutter		Yes	
				Degree Type		Diploma			
				Year of Highest degree in I&E and IPR		2019			
Training Name		Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)	Mode of Delivery
21	Meera Rose Mathew	Master of Computer Applications	Assistant Professor	Highest degree name in I&E and IPR		PHP 7 Angular JS 6 Laravel Android and Flutter		Yes	
				Degree Type		Diploma			
				Year of Highest degree in I&E and IPR		2019			
Training Name		Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)	Mode of Delivery
22	Navyamol KT	Master of Computer Applications	Assistant Professor	Highest degree name in I&E and IPR		PHP 7 Angular JS 6 Laravel Android and Flutter		Yes	
				Degree Type		Diploma			
				Year of Highest degree in I&E and IPR		2019			
Training Name		Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)	Mode of Delivery

23	Dr.Juby mathew	Master of Computer Applications	Assistant Professor	Highest degree name in I&E and IPR		PHP 7 Angular JS 6 Laravel Android and Flutter		Yes										
				Degree Type		Diploma												
				Year of Highest degree in I&E and IPR		2019												
<table border="1"> <thead> <tr> <th>Training Name</th> <th>Training Theme</th> <th>Type of Course</th> <th>Training Agency Name</th> <th>Training Agency Type</th> <th>Training Start Date</th> <th>Training End Date</th> <th>Training Duration (in Days)</th> <th>Mode of Delivery</th> </tr> </thead> </table>										Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)	Mode of Delivery
Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)	Mode of Delivery										
24	Jinson Davis	Master of Computer Applications	Assistant Professor	Highest degree name in I&E and IPR		PHP 7 Angular JS 6 Laravel Android and Flutter		Yes										
				Degree Type		Diploma												
				Year of Highest degree in I&E and IPR		2019												
<table border="1"> <thead> <tr> <th>Training Name</th> <th>Training Theme</th> <th>Type of Course</th> <th>Training Agency Name</th> <th>Training Agency Type</th> <th>Training Start Date</th> <th>Training End Date</th> <th>Training Duration (in Days)</th> <th>Mode of Delivery</th> </tr> </thead> </table>										Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)	Mode of Delivery
Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)	Mode of Delivery										
25	Ajith GS	Master of Computer Applications	Assistant Professor	Highest degree name in I&E and IPR		PHP 7 Angular JS 6 Laravel Android and Flutter		Yes										
				Degree Type		Diploma												
				Year of Highest degree in I&E and IPR		2019												
<table border="1"> <thead> <tr> <th>Training Name</th> <th>Training Theme</th> <th>Type of Course</th> <th>Training Agency Name</th> <th>Training Agency Type</th> <th>Training Start Date</th> <th>Training End Date</th> <th>Training Duration (in Days)</th> <th>Mode of Delivery</th> </tr> </thead> </table>										Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)	Mode of Delivery
Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)	Mode of Delivery										
26	Shelly Shiju George	Master of Computer Applications	Assistant Professor	Highest degree name in I&E and IPR		PHP 7 Angular JS 6 Laravel Android and Flutter		Yes										
				Degree Type		Diploma												
				Year of Highest degree in I&E and IPR		2019												
<table border="1"> <thead> <tr> <th>Training Name</th> <th>Training Theme</th> <th>Type of Course</th> <th>Training Agency Name</th> <th>Training Agency Type</th> <th>Training Start Date</th> <th>Training End Date</th> <th>Training Duration (in Days)</th> <th>Mode of Delivery</th> </tr> </thead> </table>										Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)	Mode of Delivery
Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)	Mode of Delivery										

27	Sr.Elsin	Master of Computer Applications	Assistant Professor	Highest degree name in I&E and IPR		PHP 7 Angular JS 6 Laravel Android and Flutter	Yes											
				Degree Type		Diploma												
Year of Highest degree in I&E and IPR		2019																
<table border="1"> <thead> <tr> <th>Training Name</th> <th>Training Theme</th> <th>Type of Course</th> <th>Training Agency Name</th> <th>Training Agency Type</th> <th>Training Start Date</th> <th>Training End Date</th> <th>Training Duration (in Days)</th> <th>Mode of Delivery</th> </tr> </thead> </table>										Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)	Mode of Delivery
Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)	Mode of Delivery										
28	Lisha Varghese	Master of Computer Applications	Master of Computer Applications	Highest degree name in I&E and IPR		PHP 7 Angular JS 6 Laravel Android and Flutter	Yes											
				Degree Type		Diploma												
Year of Highest degree in I&E and IPR		2019																
<table border="1"> <thead> <tr> <th>Training Name</th> <th>Training Theme</th> <th>Type of Course</th> <th>Training Agency Name</th> <th>Training Agency Type</th> <th>Training Start Date</th> <th>Training End Date</th> <th>Training Duration (in Days)</th> <th>Mode of Delivery</th> </tr> </thead> </table>										Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)	Mode of Delivery
Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)	Mode of Delivery										
29	Merin Manoj	Master of Computer Applications	Assistant Professor	Highest degree name in I&E and IPR		PHP 7 Angular JS 6 Laravel Android and Flutter	Yes											
				Degree Type		Diploma												
Year of Highest degree in I&E and IPR		2019																
<table border="1"> <thead> <tr> <th>Training Name</th> <th>Training Theme</th> <th>Type of Course</th> <th>Training Agency Name</th> <th>Training Agency Type</th> <th>Training Start Date</th> <th>Training End Date</th> <th>Training Duration (in Days)</th> <th>Mode of Delivery</th> </tr> </thead> </table>										Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)	Mode of Delivery
Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)	Mode of Delivery										
30	Sona Maria Sebastian	Master of Computer Applications	Assistant Professor	Highest degree name in I&E and IPR		PHP 7 Angular JS 6 Laravel Android and Flutter	Yes											
				Degree Type		Diploma												
Year of Highest degree in I&E and IPR		2019																
<table border="1"> <thead> <tr> <th>Training Name</th> <th>Training Theme</th> <th>Type of Course</th> <th>Training Agency Name</th> <th>Training Agency Type</th> <th>Training Start Date</th> <th>Training End Date</th> <th>Training Duration (in Days)</th> <th>Mode of Delivery</th> </tr> </thead> </table>										Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)	Mode of Delivery
Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)	Mode of Delivery										

31	Anit James	Master of Computer Applications	Assistant Professor	Highest degree name in I&E and IPR		PHP 7 Angular JS 6 Laravel Android and Flutter		Yes	
				Degree Type		Diploma			
				Year of Highest degree in I&E and IPR		2019			
Training Name		Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)	Mode of Delivery
32	Grace Joseph	Master of Computer Applications	Assistant Professor	Highest degree name in I&E and IPR		PHP 7 Angular JS 6 Laravel Android and Flutter		Yes	
				Degree Type		Diploma			
				Year of Highest degree in I&E and IPR		2019			
Training Name		Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)	Mode of Delivery
33	Nimmy Francis	Master of Computer Applications	Assistant Professor	Highest degree name in I&E and IPR		PHP 7 Angular JS 6 Laravel Android and Flutter		Yes	
				Degree Type		Diploma			
				Year of Highest degree in I&E and IPR		2019			
Training Name		Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)	Mode of Delivery
34	Rini Kurian	Master of Computer Applications	Assistant Professor	Highest degree name in I&E and IPR		PHP 7 Angular JS 6 Laravel Android and Flutter		Yes	
				Degree Type		Diploma			
				Year of Highest degree in I&E and IPR		2019			
Training Name		Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)	Mode of Delivery

35	Binumon Joseph	Master of Computer Applications	Assistant Professor	Highest degree name in I&E and IPR	PHP 7 Angular JS 6 Laravel Android and Flutter	Yes			
				Degree Type	Diploma				
				Year of Highest degree in I&E and IPR	2019				
	Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)	Mode of Delivery
36	Ankitha Philip	Master of Computer Applications	Assistant Professor	Highest degree name in I&E and IPR	PHP 7 Angular JS 6 Laravel Android and Flutter	Yes			
				Degree Type	Diploma				
				Year of Highest degree in I&E and IPR	2019				
	Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)	Mode of Delivery
37	Ginumol	Master of Computer Applications	Assistant Professor	Highest degree name in I&E and IPR	PHP 7 Angular JS 6 Laravel Android and Flutter	Yes			
				Degree Type	Diploma				
				Year of Highest degree in I&E and IPR	2019				
	Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)	Mode of Delivery
38	RIJIN M D TOM	CHEMICAL	ASSISTANT PROFESSOR	No	No				
39	JOSELIN ANN JOY	FOOD TECHNOLOGY	ASSISTANT PROFESSOR	No	Yes				
	Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)	Mode of Delivery
40	Dr. ABHINAV K NAIR	CHEMICAL	ASSISTANT PROFESSOR	No	Yes				
	Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)	Mode of Delivery
41	JAYASREE P K	CHEMICAL	ASSOCIATE PROFESSOR	No	Yes				
	Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)	Mode of Delivery

42	Dr. Jippu Jacob	Mechanical Engineering Department	Senior Professor and KSCSTE IPR Cell Coordinator	No	Yes			
	Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)
43	Sherin Sam Jose	Startups Valley TBI	CEO	No	Yes			
	Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)
44	Prof Abi Varghese	Mechanical Engineering Department	Assistant Professor	No	Yes			
	Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)
45	Bergin S Russel	Startups Valley TBI	Manager	No	Yes			
	Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)
46	Ajin Omanakuttan	Startups Valley TBI	Technical Officer	No	Yes			
	Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)

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	SAE INDIA	Idea Club	2014	Work Stations	Pre-Incubation Unit, Innovation Labs, IPR Cell/Technology Transfer Centre	1	Robin Santhan	Robinsanthan2022@gmail.com	8113856337
2	Entrepreneurship Development Club	Innovation Club	2019	Work Stations	Pre-Incubation Unit, Innovation Labs, Centre of Excellence with Advance Tools, IPR Cell/Technology Transfer Centre	1	Ajin Mathew	ajinmathew2020@ee.ajce.in	7510974690
3	Robotics and Hardware club	Idea Club	2019	Co-working Space	Pre-Incubation Unit, Innovation Labs, IPR Cell/Technology Transfer Centre	1	Abin K Babu	abinkbabu2023@ee.ajce.in	8086847982
4	Society of Energy Engineers and Managers (SEEM) Amal Jyothi chapter	Idea Club	2018	Co-working Space	Pre-Incubation Unit, Innovation Labs, IPR Cell/Technology Transfer Centre	1	Sidharth Renjit	sidharthranjith1997@gmail.com	8281706674

5	Club Torero	Idea Club	2018	Co-working Space	Pre-Incubation Unit, Incubation Unit, IPR Cell/Technology Transfer Centre	2	ABYSON MATHEW	abysonmathew@mca.ajce.in	9072222529
6	OPEN SOURCE CLUB	Idea Club	2015	Work Stations	Pre-Incubation Unit, Innovation Labs, IPR Cell/Technology Transfer Centre	2	ABYSON MATHEW	abysonmathew@mca.ajce.in	9072222529
7	BLOGGING CLUB	Idea Club	2015	Co-working Space	Pre-Incubation Unit, Innovation Labs, IPR Cell/Technology Transfer Centre	2	Sanju Abraham	sanjuabrahambinu@mca.ajce.in	7306623350
8	AMACE Radio	Idea Club	2015	Work Stations	Incubation Unit, Innovation Labs	2	ANIT SARA SANTHOSH	anitsarasanthosh@mca.ajce.in	7025735293
9	ENCON Club	Idea Club	2017	Co-working Space	Innovation Labs	3	Rana Prathapan A D	adranaprathapan@amaljyothi.ac.in	9349137293
10	Makerhub	Innovation Club	2006	3D Printing	Innovation Labs, IPR Cell/Technology Transfer Centre	31	Goutham Prenoj	gouthamprenoj@au.ajce.in	9656680001

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	Maker hub IEDC	IEDC	2009	3D Printing & Prototype Equipment, Work Stations	Incubation Unit, Centre of Excellence with Advance Tools, IPR Cell/Technology Transfer Centre, Student Clubs	Incubation Unit, Centre of Excellence with Advance Tools, IPR Cell/Technology Transfer Centre, Student Clubs	<table border="1"> <tr> <td>Facility Incharge Name</td> <td>Prof. Sherin Sam Jose</td> </tr> <tr> <td>Facility Incharge Email</td> <td>sherinsamjose@amaljyothi.ac.in</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>9496805712</td> </tr> </table>	Facility Incharge Name	Prof. Sherin Sam Jose	Facility Incharge Email	sherinsamjose@amaljyothi.ac.in	Facility Incharge Phone	9496805712	12	Yes	No	Yes
Facility Incharge Name	Prof. Sherin Sam Jose																
Facility Incharge Email	sherinsamjose@amaljyothi.ac.in																
Facility Incharge Phone	9496805712																
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			KSUM, DST			Educational Institute			0								

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

Srno	Name of CoE Facility	Year of Establishment	CoE with Access to Other I&E Facilities at the HEI	Name of the Funding Schemes Available with	Facility Details	Total Nos of Dedicated Executive/Management team	Had the CoE Provided any Funding Support for Idea/Prototype/Innovation Development and	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
------	----------------------	-----------------------	--	--	------------------	--	--	---	--

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

1	Additive Manufacturing Zone	2019	Innovation Labs, Innovation Park/Research Park, Student Clubs	Institute Fund	Facility Incharge Name	5	No	Yes		Yes
					Facility Incharge Email			Facility Incharge Phone	Total Annual Income from Training and Skill Development Services (In Rupees)	
					Dr. K. Jessy					
					kjessy@amalyothi.ac.in					
					9061206252					
Source of Grant / Fund				Agency Name			Agency Type		Total Grants / Funds Received by CoE Facility exists in Campus (In Rupees)	
2	Amal Jyothi NeST Center of Excellence	2016	Innovation Labs, Innovation Park/Research Park, Student Clubs	NA	Facility Incharge Name	2	No	Yes		Yes
					Facility Incharge Email			Facility Incharge Phone	Total Annual Income from Training and Skill Development Services (In Rupees)	
					Ajai Mathew					
					ajaimathew@amalyothi.ac.in					
					9544409501					
Source of Grant / Fund				Agency Name			Agency Type		Total Grants / Funds Received by CoE Facility exists in Campus (In Rupees)	

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

3	Bosch training centre	2017	IPR Cell/Technology Transfer Centre	NA	Facility Incharge Name	Abin Mathe w	2	No	No	Yes	
					Facility Incharge Email	abinm athe w @amal jyoyhi. ac.in					
					Facility Incharge Phone	94004 86310					
Source of Grant / Fund			Agency Name			Agency Type		Total Grants / Funds Received by CoE Facility exists in Campus (In Rupees)			
4	Royal Enfield training centre	2018	IPR Cell/Technology Transfer Centre	AJCE	Facility Incharge Name	Sreera m H.	2	No	No	Yes	
					Facility Incharge Email	hsreer am@a maljyot hi.ac.in					
					Facility Incharge Phone	85250 85757					
Source of Grant / Fund			Agency Name			Agency Type		Total Grants / Funds Received by CoE Facility exists in Campus (In Rupees)			
5	Volvo- Eicher- training centre	2015	IPR Cell/Technology Transfer Centre	NA	Facility Incharge Name	J. P. Ajithku mar	2	No	Yes		No
					Facility Incharge Email	jpajithk umar @amal jyothi.a c.in			Total Annual Income from Training and Skill Development Services (In Rupees)		
					Facility Incharge Phone	89218 44304			Total Annual Income from (Technical and Business) Mentoring Services (In Rupees)		
									Total Annual Income from Office Space and Rental Services to Start-ups/Innovators (In Rupees)		

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

6	Yamaha- training centre	2019	IPR Cell/Technology Transfer Centre	PMKY	Facility Incharge Name	Abin Mathe w	2	No	Yes		Yes
					Facility Incharge Email	abinm athe w @amal jyothi.a c.in			Total Annual Income from Training and Skill Development Services (In Rupees)		
					Facility Incharge Phone	94004 86310			Total Annual Income from (Technical and Business) Mentoring Services (In Rupees)		
									Total Annual Income from Office Space and Rental Services to Start-ups/Innovators (In Rupees)		
Source of Grant / Fund			Agency Name			Agency Type		Total Grants / Funds Received by CoE Facility exists in Campus (In Rupees)			
7	CNC Training Centre	2014	IPR Cell/Technology Transfer Centre, Student Clubs	NA	Facility Incharge Name	Ajithku mar J P	2	No	Yes		Yes
					Facility Incharge Email	jpajithk umar @amal jyothi.a c.in			Total Annual Income from Training and Skill Development Services (In Rupees)		
					Facility Incharge Phone	89218 44304			Total Annual Income from (Technical and Business) Mentoring Services (In Rupees)		
									Total Annual Income from Office Space and Rental Services to Start-ups/Innovators (In Rupees)		
Source of Grant / Fund			Agency Name			Agency Type		Total Grants / Funds Received by CoE Facility exists in Campus (In Rupees)			

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

8	Amal jyothi driving academy	2011	IPR Cell/Technology Transfer Centre, Student Clubs	Institute Funds	Facility Incharge Name	J P Ajithkumar	2	No	Yes		Yes
					Facility Incharge Email	jpajithkumar@amaljyothi.ac.in			Total Annual Income from Training and Skill Development Services (In Rupees)		
					Facility Incharge Phone	8921844304			Total Annual Income from (Technical and Business) Mentoring Services (In Rupees)		
									Total Annual Income from Office Space and Rental Services to Start-ups/Innovators (In Rupees)		
Source of Grant / Fund				Agency Name			Agency Type		Total Grants / Funds Received by CoE Facility exists in Campus (In Rupees)		
9	Additive Manufacturing Zone	2019	Student Clubs	NA	Facility Incharge Name	Dr. K Jessy	5	No	Yes		Yes
					Facility Incharge Email	kjessy@amaljyothi.ac.in			Total Annual Income from Training and Skill Development Services (In Rupees)		
					Facility Incharge Phone	9061206252			Total Annual Income from (Technical and Business) Mentoring Services (In Rupees)		
									Total Annual Income from Office Space and Rental Services to Start-ups/Innovators (In Rupees)		
Source of Grant / Fund				Agency Name			Agency Type		Total Grants / Funds Received by CoE Facility exists in Campus (In Rupees)		

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	Name of the Funding	Facility Details	Total Nos of Dedicated	Had the Incubation Facility Provided any Funding Support	Had institute Generated Income either from Services Offered by	Had institute spent expenses either from own
------	-----------------------------	-----------------------	---------------------------------	---------------------	------------------	------------------------	--	--	--

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

Srno	Name of Incubation Facility	Year of Establishment	I&E Facilities at the HEI	Schemes Available with Incubation Unit, if any (Optional)	Facility Details		Executive/Management team Strength Engaged at the Facility	for Idea/Prototype/Innovation Development and implementation during the Financial Year 2019-20?	Incubation Centre/Facilities?		resource/received fund towards Establishment/Operation of Incubation Centre/Facilities?
					Facility Incharge Name	Facility Incharge Email			Facility Incharge Phone	Yes	
1	Startups Valley TBI	2016	Pre-Incubation	NSTEDB TBI, DST, Government of India	Prof. Sherin Sam Jose	sherinsamjose@amalyothi.ac.in	9496805712	3	Yes	Yes	Yes
Source of Grant / Fund			Agency Name				Agency Type		Total Grants / Funds Received by Incubation Facility exists in Campus (In Rupees)		

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

Srno	Name of Innovation Park/Research Park Facility	Year of Establishment	Innovation Park / Research Park with Access to Other I & E Facilities at the HEI	Name of the Funding Schemes Available with Research/Innovation Park, if any (Optional)	Facility Details		Total Nos of Dedicated Executive/Management team Strength Engaged at the Facility	Had the Research Park/Innovation Park Provided any Funding Support for Idea/Prototype/Innovation Development and implementation during the Financial Year 2019-20?	Had institute Generated Income either from Services Offered by Research Park/Innovation Park?	Had the Research Park/Innovation Park Provided any Funding Support for Idea/Prototype/Innovation/Start up/Venture Development and implementation during the Financial Year 2019-20?	
					Facility Incharge Name	Facility Incharge Email					Facility Incharge Phone
1	IPR Cell of KSCSTE	2013	Student Clubs	NO	Dr. Jippu Jacob	jippujacob@amalyothi.ac.in	884896005	1	No	No	Yes
Source of Grant / Fund			Agency Name				Agency Type		Total Grants / Funds Received by Incubation Facility exists in Campus (In Rupees)		

List the IPR Cell/Technology Transfer Centre Facilities at the HEI

Srno	Name of IPR Cell/Technology Transfer Centre Facility	Year of Establishment	IPR Cell/Technology Transfer Centre with Access to Other I&E Facilities at the HEI	Name of the Funding Schemes Available with IPR Cell/Technology Transfer Centre, if any (Optional)	Facility Details	Total Nos of Dedicated Executive/Management team Strength Engaged at the Facility	Had the IPR Cell/Technology Transfer Centre Provided any Funding Support for Idea/Prototype/Innovation Development and implementation during the Financial Year 2019-20?	Had institute Generated Income either from Services Offered by IPR Cell/Technology Transfer Centre?	Had the IPR Cell/Technology Transfer Centre Provided any Funding Support for Idea/Prototype/Innovation/Start up/Venture Development and implementation during the Financial Year 2019-20?						
1	IPR Cell of KSCSTE	2013	Pre-Incubation, Incubation Unit, Innovation Labs, Student Clubs	Kerala State Council for Science, Technology and Environment - Establishment of IPR Cell	<table border="1"> <tr> <td>Facility Incharge Name</td> <td>Dr. Jippu Jacob</td> </tr> <tr> <td>Facility Incharge Email</td> <td>jippujacob@amaljiyot hi.ac.in</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>88489 6005</td> </tr> </table>	Facility Incharge Name	Dr. Jippu Jacob	Facility Incharge Email	jippujacob@amaljiyot hi.ac.in	Facility Incharge Phone	88489 6005	1	No	No	No
Facility Incharge Name	Dr. Jippu Jacob														
Facility Incharge Email	jippujacob@amaljiyot hi.ac.in														
Facility Incharge Phone	88489 6005														

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	Bergin S Russel	Manager	Idea/Innovation Development, Entrepreneurship/Startup Development, IPR Protection & Commercialization	5
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	EDUKNOW TECHNO SOLUTION		Outside	0
	SATKKRIYA HEALTHCARE INNOVATIONS		Outside	

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	P.C. Thomas	Idea/Innovation Development	Unstructured Mentorship

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

Srno	Name of the Innovation Generated with the Support of HEI	Type of Innovation	Nature of Innovation	Name of the HEI Supported Innovation Development	Innovation Developed by	Stage of Innovation /Stage of TRL it started receiving the Support during the FY 2019-20	Stage of Innovation /Stage of TRL reached as on 31st March 2020	Status Pre-Incubation/Incubation Support to Innovation as on 31st March 2020	Had the Innovation Received any Recognition at State, National, International Level Programs during the financial period 2019-20	Had the Innovation Converted into Venture/Startup/SME Unit during the financial period 2019-20	Had Centre/institute provided any Financial support (either own resource or fund received from agencies) in terms of Seed Grant/Fund Support to Idea / Prototype / Innovations Development during the financial period 2019-20	Had the Innovations raised any Seed fund/Angel Investment/VC during the period of receiving pre-incubation/incubation support at your Pre-incubation/incubation or HEI during the financial period 2019-20	Had the Pre-incubation/Incubation Centre/HEI received any income/revenue from Idea/Prototype/Innovations for the pre-incubation/incubation support and the services offered by Pre-incubation/incubation or institute during the financial period 2019	
1	Pinapple plant winding machine	Product Innovation	Technological		Faculty	TRL 0 : Idea. Unproven concept, no testing has been performed .	TRL 9 : Full commercial application , technology available for consumers.	Innovation Adopted and Implemented at Ground	No	No	No	No	No	
				Name		Type		Gender		Email			Contact	
				Sulabha karshaka sangam		Faculty		Male		jinsonpaul@amalyothi.ac.in			9539612216	
													2	
				Name		Type		Gender		Email			Contact	
NUTMEG PLUCKER	Product Innovation	Technological		Student-Faculty	TRL 0 : Idea. Unproven concept, no testing has been performed .	TRL 9 : Full commercial application , technology available for consumers.	Innovation Adopted and Implemented at Ground	Agency Name i2u	No	No	No	No		
								Agency Type Govt. Agency (Central)						
								Award / Position / Recognition Secured 7000						
				Name		Type		Gender		Email			Contact	
				i2U		Innovator/Entrepreneur External to Institute		Male		jinsonpaul@amalyothi.ac.in			9539612216	
													Name	Email

3	SUSPENSION WITH SORBORTHANE SHOCK ABSORBER	Product Innovation	Technological		Student-Faculty	TRL 0 : Idea. Unproven concept, no testing has been performed .	TRL 8 : First of a kind commercial system. Manufacturing issues solved.	Innovation Development Completed	Agency Name	i2u	No	No	No	No
									Agency Type	Govt. Agency (Central)				
									Award / Position / Recognition Secured	15000				

Name	Type	Gender	Email	Contact
I2U	Faculty and Student	Male	ajithkumarjp@amalyothi.ac.in	8921844304

Name	Type	Gender	Email	Contact	4
------	------	--------	-------	---------	---

Manufacturing Brick and Concrete Block Using Sewage Treatment Plant Sludge	Product Innovation	Technological		Student-Faculty	TRL 0 : Idea. Unproven concept, no testing has been performed .	TRL 9 : Full commercial application , technology available for consumers.	Innovation Development Dropped	No	No	No	No	No
--	--------------------	---------------	--	-----------------	---	---	--------------------------------	----	----	----	----	----

Name	Type	Gender	Email	Contact	Name	Email
dr mini mathew	Faculty	Female	minimathew@amalyothi.ac.in	000		

5	De Fluoridation of Water Using Novel Low-Cost Bio Sorbent Developed From Waste	Product Innovation	Technological		Student-Faculty	TRL 0 : Idea. Unproven concept, no testing has been performed .	TRL 9 : Full commercial application , technology available for consumers.	Innovation Development Dropped	No	No	No	No	No

Name	Type	Gender	Email	Contact
dr aju	Faculty	Male	ajumathewgeorge@amalyothi.ac.in	00

Name	Type	Gender	Email	Contact	6
------	------	--------	-------	---------	---

A Study on Potential Utilization of MICP on a Weak Soil and a Preliminary Investigation on Application of MICP In Stabilization of Slopes	Product Innovation	Technological		Faculty	TRL 0 : Idea. Unproven concept, no testing has been performed .	TRL 9 : Full commercial application , technology available for consumers.	Innovation Development Dropped	No	No	No	No	No	
---	--------------------	---------------	--	---------	---	---	--------------------------------	----	----	----	----	----	--

Name	Type	Gender	Email	Contact	Name	Email
Dr. Nimi Ann Vincent	Faculty	Female	nimiannvincent@amaljyothi.ac.in	00		

7	Curvature Characteristics of Reinforced Beam Using Photogrammetry Technique.	Product Innovation	Technological		Faculty	TRL 0 : Idea. Unproven concept, no testing has been performed .	TRL 9 : Full commercial application , technology available for consumers.	Innovation Development Dropped	No	No	No	No	No
---	--	--------------------	---------------	--	---------	---	---	--------------------------------	----	----	----	----	----

Name	Type	Gender	Email	Contact
Bennet Jose Mathew,	Faculty	Male	bennetjosemathew@amaljyothi.ac.in	00

													8
--	--	--	--	--	--	--	--	--	--	--	--	--	---

Name	Type	Gender	Email	Contact	Name	Email
AJAI THAMPY	Faculty	Male	ajaitampy@amaljyothi.ac.in	00		

9	Facial Recognition based Attendance - ClassLog	Product Innovation	Technological		Student	TRL 0 : Idea. Unproven concept, no testing has been performed .	TRL 2 : Technology formulation. Concept and application have been formulated .	Innovation Development Ongoing	No	No	No	No	No						
	Name		Type			Gender		Email			Contact								
	Glen Vipin Pereira		Student			Male		glenv.pereira@gmail.com			9846680200								
	Name		Type			Gender		Email			Contact								
Anandu Sunil		Student			Male		anandu.jesus00@gmail.com			9747658932									
10	IoT Based Climate control in parked Vehicles	Product Innovation	Technological		Student	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	TRL 3 : Applied research. First laboratory tests completed ; proof of concept.	Innovation Development Ongoing	No	No	No	No	No						
	Name		Type			Gender		Email			Contact								
	Robin Jose Raju		Student			Male		robinjoseraju2021@cs.ajce.in			9526628112								
	Name		Type			Gender		Email			Contact								
Sandra Merin Thomas		Student			Female		sandrainerinthomas2021@cs.ajce.in			6282655919									
11	Smart Agro Incubator	Product Innovation	Technological		Student-Faculty	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype).	Innovation Development Completed	<table border="1"> <tbody> <tr> <td>Agency Name</td> <td>APJAKT U-CERD</td> </tr> <tr> <td>Agency Type</td> <td>Govt. Agency (Central)</td> </tr> <tr> <td>Award / Position / Recognition Secured</td> <td>Best Project</td> </tr> </tbody> </table>	Agency Name	APJAKT U-CERD	Agency Type	Govt. Agency (Central)	Award / Position / Recognition Secured	Best Project	No	No	No	No
	Agency Name	APJAKT U-CERD																	
	Agency Type	Govt. Agency (Central)																	
	Award / Position / Recognition Secured	Best Project																	
Name		Type			Gender		Email			Contact									
Midhun Joy		Faculty			Male		midhunjoy@amaliyothe.ac.in			9496322234									
Name		Type			Gender		Email			Contact									
Therese Yamuna Mahesh		Faculty			Female		thereseyamunamahesh@amaliyothe.ac.in			9446144641									

12	Cicerone- A Real Time Object And Path Detection For Visually Impaired People	Product Innovation	Technological		Student-Faculty	TRL 0 : Idea. Unproven concept, no testing has been performed .	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype).	Innovation Development Completed	<table border="1"> <tr> <td>Agency Name</td> <td>APJAKT U-CERD</td> </tr> <tr> <td>Agency Type</td> <td>Govt. Agency (Central)</td> </tr> <tr> <td>Award / Position / Recognition Secured</td> <td>Best Project</td> </tr> </table>	Agency Name	APJAKT U-CERD	Agency Type	Govt. Agency (Central)	Award / Position / Recognition Secured	Best Project	No	No	No	No
	Agency Name	APJAKT U-CERD																	
	Agency Type	Govt. Agency (Central)																	
	Award / Position / Recognition Secured	Best Project																	
Name		Type			Gender		Email			Contact									
Therese Yamuna Mahesh		Faculty			Female		thereseyamunamahesh@amaljoyothi.ac.in			9446144641									
Name		Type			Gender		Email			Contact									
Midhun Joy		Faculty			Male		midhunjoy@amaljoyothi.ac.in			9496322234									
13	Design Microscale Laser Controlled PCB Engraver And Solder Dispenser Unit	Product Innovation	Technological		Student-Faculty	TRL 0 : Idea. Unproven concept, no testing has been performed .	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype).	Innovation Development Completed	No	No	No	No	No						
	Name		Type			Gender		Email			Contact								
	Godwinraj D		Faculty			Male		dgodwinraj@amaljoyothi.ac.in			8296828948								
	Name		Type			Gender		Email			Contact								
Godfrey D		Innovator/Entrepreneur External to Institute			Male		dgodwinraj@amaljoyothi.ac.in			00									
14	Self Driving Car Using Optical Flow And Gridding System	Product Innovation	Technological		Student-Faculty	TRL 0 : Idea. Unproven concept, no testing has been performed .	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype).	Innovation Development Completed	No	No	No	No	No						
	Name		Type			Gender		Email			Contact								
	Reeju Elisa Baby		Faculty			Female		reejuelisababy@amaljoyothi.ac.in			9995771543								
	Name		Type			Gender		Email			Contact								
Godwinraj D		Faculty			Male		dgodwinraj@amaljoyothi.ac.in			8296828948									

15	Development of GPU Accelerated Handheld Equipment For Early Detection and Classification of Parkinson's Disease with Deep Learning	Product Innovation	Technological		Student-Faculty	TRL 0 : Idea. Unproven concept, no testing has been performed .	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype).	Innovation Development Completed	No	No	No	No	No
Name		Type			Gender			Email			Contact		
Abubeker KM		Faculty			Male			kmaabubeker@amaljyothi.ac.in			9539297709		
Name		Type			Gender			Email			Contact		
Godwinraj D		Faculty			Male			dgodwinraj@amaljyothi.ac.in			8296828948		
16	Design Microscale Laser Controlled PCB Engraving and Solder Dispenser Unit	Product Innovation	Technological		Student-Faculty	TRL 0 : Idea. Unproven concept, no testing has been performed .	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype).	Innovation Development Completed	No	No	No	No	No
Name		Type			Gender			Email			Contact		
Godwinraj D		Faculty			Male			dgodwinraj@amaljyothi.ac.in			8296828948		
Name		Type			Gender			Email			Contact		
John Felix Kumar		Faculty			Male			rjohnfelixkumar@amaljyothi.ac.in			00		
17	Early Forest Fire Detection	Product Innovation	Technological		Student-Faculty	TRL 0 : Idea. Unproven concept, no testing has been performed .	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype).	Innovation Development Completed	No	No	No	No	No
Name		Type			Gender			Email			Contact		
Binu Mathew		Faculty			Male			binumathew@amaljyothi.ac.in			9496325256		
Name		Type			Gender			Email			Contact		
Careen P		Faculty			Female			pcareena@amaljyothi.ac.in			9995725646		
18	Solar PV Power forecasting using machine learning	Process Innovation	Technological		Student-Faculty	TRL 2 : Technology formulation. Concept and application have been formulated .	TRL 6 : Prototype system tested in intended environment close to expected performance.	Innovation Development Completed	No	No	No	No	No

Name		Type		Gender		Email		Contact	
Joffie Jacob		Faculty		Male		joffiejacob@amalyothi.ac.in		9961316105	

Name		Type		Gender		Email		Contact				
IOT for energy optimization and automation of green building	Process Innovation	Technological		Student-Faculty	TRL 2 : Technology formulation. Concept and application have been formulated .	TRL 6 : Prototype system tested in intended environment close to expected performance.	Innovation Development Completed	No	No	No	No	No

19

Name		Type		Gender		Email		Contact	
Rani Chacko		Faculty		Female		ranichacko@amalyothi.ac.in		9496464893	

Name		Type		Gender		Email		Contact	
Rohit Rajan Eapen		Faculty		Male		rohitrajaneapen@amalyothi.ac.in		9444715542	

20

Name		Type		Gender		Email		Contact				
Sorption based devices for solar PV panel cooling and to extract fresh water from the atmosphere	Process Innovation	Technological		Student-Faculty	TRL 2 : Technology formulation. Concept and application have been formulated .	TRL 6 : Prototype system tested in intended environment close to expected performance.	Innovation Development Completed	No	No	No	No	No

Name		Type		Gender		Email		Contact	
Vinu Sankar		Faculty		Male		vinusankar@amalyothi.ac.in		9633663359	

Name		Type		Gender		Email		Contact	
Richu Zakaria		Faculty		Male		richuzachariah@amalyothi.ac.in		00	

21

Name		Type		Gender		Email		Contact				
Design and development of Automated Skeletal system	Product Innovation	Technological		Student-Faculty	TRL 0 : Idea. Unproven concept, no testing has been performed .	TRL 9 : Full commercial application , technology available for consumers.	Innovation Development Dropped	No	No	No	No	No

Name	Type	Gender	Email	Contact	Name	Email
Vinu Sankar	Faculty	Male	vinusankar@amaljyothi.ac.in	9633663359		

22	Crop and disease monitoring system--in Kerala Hackathon	Process Innovation	Technological		Student	TRL 0 : Idea. Unproven concept, no testing has been performed .	TRL 0 : Idea. Unproven concept, no testing has been performed .	Innovation Development Dropped	No	No	No	No	No
----	---	--------------------	---------------	--	---------	---	---	--------------------------------	----	----	----	----	----

Name	Type	Gender	Email	Contact
Prathyash	Student	Male	Prathyash@gmai.com	00

Name	Type	Gender	Email	Contact	23
------	------	--------	-------	---------	----

IoT Based Smart Home and Efficient Energy Management	Process Innovation	Technological		Faculty	TRL 0 : Idea. Unproven concept, no testing has been performed .	TRL 0 : Idea. Unproven concept, no testing has been performed .	Innovation Development Completed	No	No	No	No	No
--	--------------------	---------------	--	---------	---	---	----------------------------------	----	----	----	----	----

Name	Type	Gender	Email	Contact	Name	Email
Shinosh mathew	Faculty	Male	shinoshmathew@amaljyothi.ac.in	9747665798		

24	SOLAR PV POWER FORECASTING USING MACHINE LEARNING	Process Innovation	Technological		Faculty	TRL 0 : Idea. Unproven concept, no testing has been performed .	TRL 0 : Idea. Unproven concept, no testing has been performed .	Innovation Development Dropped	No	No	No	No	No
----	---	--------------------	---------------	--	---------	---	---	--------------------------------	----	----	----	----	----

Name	Type	Gender	Email	Contact
Joffie Jacob	Faculty	Male	joffiejacob@amaljyothi.ac.in	9961316105

Name	Type	Gender	Email	Contact	25
------	------	--------	-------	---------	----

TRACK BOT	Process Innovation	Technological		Student-Faculty	TRL 0 : Idea. Unproven concept, no testing has been performed .	TRL 0 : Idea. Unproven concept, no testing has been performed .	Innovation Development Dropped	No	No	No	No	No
-----------	--------------------	---------------	--	-----------------	---	---	--------------------------------	----	----	----	----	----

Name		Type		Gender		Email			Contact		
Reshmi V		Faculty		Female		vreshmi@amaljyothi.ac.in			8075598255		

Name
Email

26	Orbitech: Electrical Energy development from an Exercising Machine	Product Innovation	Technological		Student-Faculty	TRL 0 : Idea. Unproven concept, no testing has been performed .	TRL 0 : Idea. Unproven concept, no testing has been performed .	Innovation Development Dropped	No	No	No	No	No
----	--	--------------------	---------------	--	-----------------	---	---	--------------------------------	----	----	----	----	----

Name		Type		Gender		Email			Contact		
Rohit Rajan Eapen		Faculty		Male		rohitrajaneapen@amaljyothi.ac.in			9846025542		

Name		Type		Gender		Email			Contact		
------	--	------	--	--------	--	-------	--	--	---------	--	--

SSD BASED SMART DISTRIBUTION BOARD	Process Innovation	Technological		Student-Faculty	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	TRL 0 : Idea. Unproven concept, no testing has been performed .	Innovation Development Dropped	No	No	No	No	No	27
------------------------------------	--------------------	---------------	--	-----------------	---	---	--------------------------------	----	----	----	----	----	----

Name		Type		Gender		Email			Contact		
Dennis Thomas		Faculty		Male		rohitrajaneapen@amaljyothi.ac.in			9846025542		

Name
Email

28	Development of a Control Unit for Electric Bicycle	Process Innovation	Technological		Faculty	TRL 0 : Idea. Unproven concept, no testing has been performed .	TRL 0 : Idea. Unproven concept, no testing has been performed .	Innovation Development Dropped	No	No	No	No	No
----	--	--------------------	---------------	--	---------	---	---	--------------------------------	----	----	----	----	----

Name		Type		Gender		Email			Contact		
Vinu Sankar		Faculty		Male		vinusankar@amaljyothi.ac.in			9633663359		

Name		Type		Gender		Email			Contact		
------	--	------	--	--------	--	-------	--	--	---------	--	--

Smart Trolley	Product Innovation	Technological		Student-Faculty	TRL 0 : Idea. Unproven concept, no testing has been performed .	TRL 0 : Idea. Unproven concept, no testing has been performed .	Innovation Development Completed	No	No	No	No	No	29
---------------	--------------------	---------------	--	-----------------	---	---	----------------------------------	----	----	----	----	----	----

Name	Type	Gender	Email	Contact
Anumodu D M	Faculty	Male	anumodudm@amaljyothi.ac.in	9496323292

Name
Email

30	INDUCTION MOTOR DRIVE SYSTEM FOR ELECTRIC VEHICLE APPLICATION	Process Innovation	Technological	Student-Faculty	TRL 0 : Idea. Unproven concept, no testing has been performed .	TRL 0 : Idea. Unproven concept, no testing has been performed .	Innovation Development Completed	No	No	No	No	No
----	---	--------------------	---------------	-----------------	---	---	----------------------------------	----	----	----	----	----

Name	Type	Gender	Email	Contact
Bobin K Mathew	Faculty	Male	bobinkmathew@amaljyothi.ac.in	9645819717

Name	Type	Gender	Email	Contact
------	------	--------	-------	---------

Solar Powered Hybrid Battery-Supercapacitor Power System for Evs	Process Innovation	Technological	Student-Faculty	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	TRL 0 : Idea. Unproven concept, no testing has been performed .	Innovation Development Completed	No	No	No	No	No
--	--------------------	---------------	-----------------	---	---	----------------------------------	----	----	----	----	----

31

Name	Type	Gender	Email	Contact
Arun S	Faculty	Male	sarun@amaljyothi.ac.in	9447924245

Name
Email

32	LOCATION-BASED STUDY OF EFFECT OF TILT ANGLE IN SOILING OF PV MODULES	Process Innovation	Technological	Student-Faculty	TRL 0 : Idea. Unproven concept, no testing has been performed .	TRL 0 : Idea. Unproven concept, no testing has been performed .	Innovation Development Completed	No	No	No	No
----	---	--------------------	---------------	-----------------	---	---	----------------------------------	----	----	----	----

Name	Type	Gender	Email	Contact
Rani Chacko	Faculty	Female	ranichacko@amaljyothi.ac.in	9496464893

Name	Type	Gender	Email	Contact
------	------	--------	-------	---------

Organic Dielectric from Water Hyacinth	Process Innovation	Technological	Student-Faculty	TRL 0 : Idea. Unproven concept, no testing has been performed .	TRL 0 : Idea. Unproven concept, no testing has been performed .	Innovation Development Completed	No	No	No	No
--	--------------------	---------------	-----------------	---	---	----------------------------------	----	----	----	----

33

Name	Type	Gender	Email	Contact	Name	Email
Litty Joseph	Faculty	Female	littyjoseph@amaljyothi.ac.in	9747277783		

34	Comparative Analysis of P&O and FLC based SEPIC Boost Converter for Solar PV Application	Process Innovation	Technological		Student-Faculty	TRL 0 : Idea. Unproven concept, no testing has been performed .	TRL 0 : Idea. Unproven concept, no testing has been performed .	Innovation Development Completed	No	No	No	No	No
----	--	--------------------	---------------	--	-----------------	---	---	----------------------------------	----	----	----	----	----

Name	Type	Gender	Email	Contact
Dr. P C Thomas	Faculty	Male	pcthomas@amaljyothi.ac.in	9495010565

Name	Type	Gender	Email	Contact	35
------	------	--------	-------	---------	----

High Efficiency High Gain SEPIC-Buck Boost Converter Based BLDC Motor Drive For Solar PV Array Fed Water Pumping	Process Innovation	Technological		Student-Faculty	TRL 0 : Idea. Unproven concept, no testing has been performed .	TRL 0 : Idea. Unproven concept, no testing has been performed .	Innovation Development Completed	No	No	No	No	No
--	--------------------	---------------	--	-----------------	---	---	----------------------------------	----	----	----	----	----

Name	Type	Gender	Email	Contact	Name	Email
Mr. Dennis Thomas	Faculty	Male	dennisthomas@amaljyothi.ac.in	9944305585		

36	Design and Analysis of High Gain Modified SEPIC Converter for Photovoltaic Applications	Process Innovation	Technological		Student-Faculty	TRL 0 : Idea. Unproven concept, no testing has been performed .	TRL 0 : Idea. Unproven concept, no testing has been performed .	Innovation Development Completed	No	No	No	No
----	---	--------------------	---------------	--	-----------------	---	---	----------------------------------	----	----	----	----

Name	Type	Gender	Email	Contact
Ms.Sreekala . P	Faculty	Female	psreekala@amaljyothi.ac.in	9400234992

Name	Type	Gender	Email	Contact	37
------	------	--------	-------	---------	----

"Non-Isolated Three Port Converter Using Time Sharing Voltage Mode Control Scheme For Pv Based LvdC Applications"	Process Innovation	Technological		Student-Faculty	TRL 0 : Idea. Unproven concept, no testing has been performed .	TRL 0 : Idea. Unproven concept, no testing has been performed .	Innovation Development Completed	No	No	No	No	No	
---	--------------------	---------------	--	-----------------	---	---	----------------------------------	----	----	----	----	----	--

Name	Type	Gender	Email	Contact	Name	Email
Mr. Arun S	Faculty	Male	sarun@amalyothi.ac.in	9447924245		

38	A Closed Loop Variable Frequency PWM Controlled Buck PFC with Hybrid Capacitor	Process Innovation	Technological		Student-Faculty	TRL 0 : Idea. Unproven concept, no testing has been performed .	TRL 0 : Idea. Unproven concept, no testing has been performed .	Innovation Development Completed	No	No	No	No	No
----	--	--------------------	---------------	--	-----------------	---	---	----------------------------------	----	----	----	----	----

Name	Type	Gender	Email	Contact
Mr. Anumodu D M,	Faculty	Male	anumodudm@amalyothi.ac.in	9496323292

Name	Type	Gender	Email	Contact	Name	Email							
High Gain Step-up DC-DC Converter with Multilevel Output Voltage	Process Innovation	Technological		Student-Faculty	TRL 0 : Idea. Unproven concept, no testing has been performed .	TRL 0 : Idea. Unproven concept, no testing has been performed .	Innovation Development Completed	No	No	No	No	No	39

Name	Type	Gender	Email	Contact	Name	Email
Mr. Shinosh Mathew	Faculty	Male	shinoshmathew@amalyothi.ac.in	9747665798		

40	Low Duty Non Isolated High Gain DC-DC Converter	Process Innovation	Technological		Student-Faculty	TRL 0 : Idea. Unproven concept, no testing has been performed .	TRL 0 : Idea. Unproven concept, no testing has been performed .	Innovation Development Completed	No	No	No	No	No
----	---	--------------------	---------------	--	-----------------	---	---	----------------------------------	----	----	----	----	----

Name	Type	Gender	Email	Contact
Ms. Sreeja C	Faculty	Female	csreeja@amalyothi.ac.in	8281645602

Name		Type		Gender		Email			Contact			41	
Closed Loop Frequency Control Buck PFC with Hybrid Capacitor or with Boosted Power Factor	Process Innovation	Technological		Student-Faculty	TRL 0 : Idea. Unproven concept, no testing has been performed .	TRL 0 : Idea. Unproven concept, no testing has been performed .	Innovation Development Completed	No	No	No	No		No
Name		Type		Gender		Email			Contact			Name	Email
Anumodu D M		Faculty		Male		anumodudm@amaljyothi.ac.in			9496323292				
42	Degradation Analysis of Solar PV Systems	Process Innovation	Technological		Student-Faculty	TRL 0 : Idea. Unproven concept, no testing has been performed .	TRL 0 : Idea. Unproven concept, no testing has been performed .	Innovation Development Completed	No	No	No	No	No
Name		Type		Gender		Email			Contact				
Joffie Jacob		Faculty		Male		joffiejacob@amaljyothi.ac.in			9961316105				
Name		Type		Gender		Email			Contact			43	
Setting up of Distributed Generation Lab	Process Innovation	Technological		Student-Faculty	TRL 0 : Idea. Unproven concept, no testing has been performed .	TRL 0 : Idea. Unproven concept, no testing has been performed .	Innovation Development Completed	No	No	No	No		No
Name		Type		Gender		Email			Contact			Name	Email
Bobin K Mathew		Faculty		Male		bobinkmathew@amaljyothi.ac.in			9645819717				
44	Setting up of System On Chip Programming(SOPC)	Process Innovation	Technological		Student-Faculty	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	TRL 0 : Idea. Unproven concept, no testing has been performed .	Innovation Development Completed	No	No	No	No	No

Name	Type	Gender	Email	Contact
Vinu Sankar	Faculty	Male	vinusankar@amalyothi.ac.in	9633663359

Name	Type	Gender	Email	Contact							
Veggie Shooter	Process Innovation Technological	Student-Faculty	TRL 0 : Idea. Unproven concept, no testing has been performed .	TRL 0 : Idea. Unproven concept, no testing has been performed .	Innovation Development Completed	No	No	No	No	No	45

Name	Type	Gender	Email	Contact
Vinu Sankar	Faculty	Male	vinusankar@amalyothi.ac.in	9633663359

46	Machine Learning based approach for failure detection and diagnosis of PV systems	Process Innovation Technological	Student-Faculty	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	TRL 0 : Idea. Unproven concept, no testing has been performed .	Innovation Development Completed	No	No	No	No	No
----	---	-------------------------------------	-----------------	---	---	----------------------------------	----	----	----	----	----

Name	Type	Gender	Email	Contact
Victor Jose	Faculty	Male	victorjose@amalyothi.ac.in	9744233616

Name	Type	Gender	Email	Contact							
Non-isolated Three Port Converter with Single Stage Conversion for Stand-alone PV Applications using FPGA	Process Innovation Technological	Student-Faculty	TRL 0 : Idea. Unproven concept, no testing has been performed .	TRL 0 : Idea. Unproven concept, no testing has been performed .	Innovation Development Completed	No	No	No	No	No	47

Name	Type	Gender	Email	Contact
Arun S	Faculty	Male	sarun@amalyothi.ac.in	9447924245

48	Ionic Liquid Modified Graphene- PANI Material development using Stainless Steel Foil as Electrode for Super Capacitor Application	Process Innovation	Technological		Student-Faculty	TRL 0 : Idea. Unproven concept, no testing has been performed .	TRL 0 : Idea. Unproven concept, no testing has been performed .	Innovation Development Completed	No	No	No	No	No
	Name		Type			Gender		Email			Contact		
	Vinu Sankar		Faculty			Male		vinusankar@amaljyothi.ac.in			9633663359		

Name		Type			Gender		Email			Contact		49
AI based performance evaluation and fault detection for Solar PV systems	Process Innovation	Technological		Student-Faculty	TRL 0 : Idea. Unproven concept, no testing has been performed .	TRL 0 : Idea. Unproven concept, no testing has been performed .	Innovation Development Completed	No	No	No	No	

Name		Type			Gender		Email			Contact		Name	Email
Victor Jose		Faculty			Male		victorjose@amaljyothi.ac.in			9744233616			

50	Quad Robo System for advanced inventory management	Product Innovation	Technological		Student-Faculty	TRL 0 : Idea. Unproven concept, no testing has been performed .	TRL 0 : Idea. Unproven concept, no testing has been performed .	Innovation Development Completed	No	No	No	No	No
	Name		Type			Gender		Email			Contact		
	George Sebastian		Faculty			Male		georgesebastian@amaljyothi.ac.in			9496321578		

Name		Type			Gender		Email			Contact		51
DE-TACH: Mid-Rib of Coconut Leaves Separating Machine	Product Innovation	Technological		Student-Faculty	TRL 0 : Idea. Unproven concept, no testing has been performed .	TRL 0 : Idea. Unproven concept, no testing has been performed .	Innovation Development Completed	No	No	No	No	

Name		Type			Gender		Email			Contact		Name	Email
Abi Varhese		Faculty			Male		abivarghese@amaljyothi.ac.in			9746627877			

52	Development and Evaluation of Pulp Based Board from Water Hyacinth	Product Innovation	Technological		Student-Faculty	TRL 0 : Idea. Unproven concept, no testing has been performed .	TRL 0 : Idea. Unproven concept, no testing has been performed .	Innovation Development Completed	No	No	No	No	No
	Name		Type			Gender		Email			Contact		
	Tony Varghese		Faculty			Male		tonyvarghese@amaljyothi.ac.in			8547221735		

Name		Type			Gender		Email			Contact		53
BIO-TAPAK	Product Innovation	Technological		Student-Faculty	TRL 0 : Idea. Unproven concept, no testing has been performed .	TRL 0 : Idea. Unproven concept, no testing has been performed .	Innovation Development Completed	No	No	No	No	

Name		Type			Gender		Email			Contact		Name	Email
Manu Moses Jacob		Faculty			Male		manumosesjacob@amaljyothi.ac.in			9496448300			

54	Angled Screwdriver	Product Innovation	Technological		Student-Faculty	TRL 0 : Idea. Unproven concept, no testing has been performed .	TRL 0 : Idea. Unproven concept, no testing has been performed .	Innovation Development Completed	No	No	No	No	No
	Name		Type			Gender		Email			Contact		
	George Sebastian		Faculty			Male		georgesebastian@amaljyothi.ac.in			9496321578		

Name		Type			Gender		Email			Contact		55
Cardamom Cleaning Machine	Product Innovation	Technological		Student-Faculty	TRL 0 : Idea. Unproven concept, no testing has been performed .	TRL 0 : Idea. Unproven concept, no testing has been performed .	Innovation Development Completed	No	No	No	No	

Name		Type			Gender		Email			Contact		Name	Email
Abi Varghese		Faculty			Male		abivarghese@amaljyothi.ac.in			9746627877			

56	Portable Electrolytic Polisher- PEP	Product Innovation	Technological		Student-Faculty	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	TRL 2 : Technology formulation. Concept and application have been formulated.	Innovation Development Ongoing	No	No	No	No	No
Name		Type			Gender			Email			Contact		
Ajmal Ubaid		Student			Male			ajmalubaid07@gmail.com			9633682029		
Name		Type			Gender			Email			Contact		
Rahul V		Student			Male			rahulvikram0013@gmail.com			9387753085		
57	Android application for metallography	Product Innovation	Technological		Student-Faculty	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	TRL 2 : Technology formulation. Concept and application have been formulated.	Innovation Development Ongoing	No	No	No	No	No
Name		Type			Gender			Email			Contact		
Anand Sudhakaran		Student			Male			anandsudha11@gmail.com			8943754597		
Name		Type			Gender			Email			Contact		
Abin A Menachery		Student			Male			minicb3800@gmail.com			9846615449		
58	Different crystal structures- 3D model and app development	Product Innovation	Technological		Student-Faculty	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	TRL 2 : Technology formulation. Concept and application have been formulated.	Innovation Development Ongoing	No	No	No	No	No
Name		Type			Gender			Email			Contact		
Athulya A B		Student			Female			athulya_ab@yahoo.com			9446133778		
Name		Type			Gender			Email			Contact		
student		Student			Male			srthydsunil@gmail.com			8113952284		

59	mini metal foundry	Product Innovation	Technological		Student-Faculty	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	TRL 2 : Technology formulation. Concept and application have been formulated.	Innovation Development Ongoing	No	No	No	No	No
Name		Type			Gender			Email			Contact		
Praicy Ann Joseph		Student			Female			ushajoseph173@gmail.com			9544778943		
Name		Type			Gender			Email			Contact		
Ananthu Prasan		Student			Male			ananthuprasan@gmail.com			7025147253		
60	portable seam welding machine	Product Innovation	Technological		Student-Faculty	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	TRL 2 : Technology formulation. Concept and application have been formulated.	Innovation Development Ongoing	No	No	No	No	No
Name		Type			Gender			Email			Contact		
Jesso Thomas		Student			Male			jessothomas01@gmail.com			9846711807		
Name		Type			Gender			Email			Contact		
Elnino Kunjummon Pappaachan		Student			Male			linosty@gmail.com			9744985480		
61	Atomix Ball Model	Product Innovation	Technological		Student-Faculty	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	TRL 2 : Technology formulation. Concept and application have been formulated.	Innovation Development Ongoing	No	No	No	No	No
Name		Type			Gender			Email			Contact		
Abinand Sukesh		Student			Male			kaveryindane@gmail.com			8281552629		
Name		Type			Gender			Email			Contact		
Nikhil Biju Joseph		Student			Male			nikhilnbj@gmail.com			7795513788		

62	Blockoce	Service Innovation	Technological		Student-Faculty	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype).	Innovation Development Ongoing	No	No	No	No	No
	Name		Type			Gender		Email			Contact		
	Ajith GS		Faculty			Male		gsajith@amaljyothi.ac.in			00		
	Name		Type			Gender		Email			Contact		
Ashish Sam T George		Student			Male		ashishsamtgeorge@mca.ajce.in			00			
63	BUS 4 U	Service Innovation	Technological		Student-Faculty	TRL 0 : Idea. Unproven concept, no testing has been performed .	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype).	Innovation Development Ongoing	No	No	No	No	No
	Name		Type			Gender		Email			Contact		
	Shelly Shiju George		Faculty			Female		shellyshijugeorge@amaljyothi.ac.in			9497107339		
	Name		Type			Gender		Email			Contact		
Josephen Marya Varghese		Student			Female		josphenmaryavarghese@mca.ajce.in			6282318525			
64	Smart Tap at Government Hospital, Kattappana	Product Innovation	Technological		Student-Faculty	TRL 0 : Idea. Unproven concept, no testing has been performed .	TRL 0 : Idea. Unproven concept, no testing has been performed .	Innovation Development Completed	No	No	No	No	No
	Name		Type			Gender		Email			Contact		
	Ashish Joseph James		Student			Male		asishchakkala@gmail.com			8157072102		
Name		Type			Gender		Email			Contact			65
HolyMas Booking App during Covid Pandemic	Service Innovation	Technological		Student-Faculty	TRL 0 : Idea. Unproven concept, no testing has been performed .	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype).	Innovation Development Completed	No	No	No	No	No	

Name	Type	Gender	Email	Contact
Aju Alex	Student	Male	ajualex@mca.ajce.in	8129322316

Name
E-mail

66	Conversion of Plastic Wastes into Foam	Product Innovation	Technological		Student-Faculty	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	TRL 2 : Technology formulation. Concept and application have been formulated.	Innovation Development Ongoing	No	No	No	No	No
----	--	--------------------	---------------	--	-----------------	---	---	--------------------------------	----	----	----	----	----

Name	Type	Gender	Email	Contact
Mathews Kurian	Student	Male	mathewskurin@gmail.com	8075960843

Name	Type	Gender	Email	Contact
Dr Soney C George	Faculty	Male	soneycgeorge@amaliyothi.ac.in	9447870319

67	BIOSENSOR FOR DETECTION OF FORMALIN	Product Innovation	Technological		Student-Faculty	TRL 0 : Idea. Unproven concept, no testing has been performed.	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	Innovation Development Ongoing	No	No	No	No	No
----	-------------------------------------	--------------------	---------------	--	-----------------	--	---	--------------------------------	----	----	----	----	----

Name	Type	Gender	Email	Contact
Dr. David K Daniel	Faculty	Male	davidkdaniel@gmail.com	00

										68		
Satkriya Healthcare Innovations Pvt. Ltd.	Service Innovation	Non-Technological / Social / Community Innovation		External to the Institute/Incubatee	TRL 9 : Full commercial application, technology available for consumers.	TRL 9 : Full commercial application, technology available for consumers.	Innovation Development Ongoing	No	No	No	No	No

Name	Type	Gender	Email	Contact
Dr. Mohammed Shamnad	Incubatee Entrepreneur	Male	ourfamilyclinic@hotmail.com	9544428889

Name
E-mail

69	Green Life Engineering Solutions	Product Innovation	Non-Technological / Social / Community Innovation		Alumni	TRL 9 : Full commercial application , technology available for consumers.	TRL 9 : Full commercial application , technology available for consumers.	Innovation Development Ongoing	No	No	No	No	No
Name		Type			Gender		Email			Contact			
Faizal Majeed		Alumni Entrepreneur			Male		faizalmangalasseril@gmail.com			9447365988			

Name		Type			Gender		Email			Contact			70
Infinity Lab	Product Innovation	Technological			Alumni	TRL 2 : Technology formulation. Concept and application have been formulated .	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype).	Innovation Development Ongoing	No	No	No	No	

Name		Type			Gender		Email			Contact			Name Email
Akshay S		Alumni Entrepreneur			Male		sakshay797@gmail.com			9946165037			

71	Aptinnov Labs Pvt. Ltd	Product Innovation	Non-Technological / Social / Community Innovation		Alumni	TRL 5 : Large scale prototype tested in intended environment.	TRL 7 : Demonstration system operating in operational environment at pre-commercial scale.	Innovation Development Ongoing	No	No	No	No	No
Name		Type			Gender		Email			Contact			
Ajin Omanakuttan		Alumni Entrepreneur			Male		ajinomanakuttan096@gmail.com			8606117823			

Name		Type			Gender		Email			Contact			72
Leopard Tech Labs Pvt. Ltd.	Product Innovation	Non-Technological / Social / Community Innovation			Faculty	TRL 5 : Large scale prototype tested in intended environment.	TRL 9 : Full commercial application , technology available for consumers.	Innovation Development Ongoing	No	No	No	No	

Name	Type	Gender	Email	Contact
Reno Laly Jose	Faculty	Female	thomasvarughese@amaliyothi.ac.in	9446264778

Name
Email

73	Kasperob Robotics Pvt. Ltd.	Product Innovation	Non-Technological / Social / Community Innovation	External to the Institute/Incubatee	TRL 3 : Applied research. First laboratory tests completed ; proof of concept.	TRL 5 : Large scale prototype tested in intended environment.	Innovation Development Ongoing	No	No	No	No	No
----	-----------------------------	--------------------	---	-------------------------------------	--	---	--------------------------------	----	----	----	----	----

Name	Type	Gender	Email	Contact
Githu N S	Innovator/Entrepreneur External to Institute	Male	githuns@gmail.com	9400253971

Name	Type	Gender	Email	Contact							
Abiam Cloud Solutions	Product Innovation	Technological	Alumni	TRL 2 : Technology formulation. Concept and application have been formulated.	TRL 6 : Prototype system tested in intended environment close to expected performance.	Innovation Development Ongoing	No	No	No	No	No

74

Name	Type	Gender	Email	Contact
Alex Paul Joseph	Alumni Entrepreneur	Male	alexmukkom94@gmail.com	9746831430

Name
Email

75	TNS Security Centre	Product Innovation	Technological	Alumni	TRL 9 : Full commercial application , technology available for consumers.	TRL 9 : Full commercial application , technology available for consumers.	Innovation Development Ongoing	No	No	No	No
----	---------------------	--------------------	---------------	--------	---	---	--------------------------------	----	----	----	----

Name	Type	Gender	Email	Contact
Liyo Paul	Alumni Entrepreneur	Male	liyopaul@mca.ajce.in	9633987084

Name	Type	Gender	Email	Contact
------	------	--------	-------	---------

76

Roncyex Ventures	Product Innovation	Non-Technological / Social / Community Innovation		External to the Institute/Incubatee	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	TRL 3 : Applied research. First laboratory tests completed ; proof of concept.	Innovation Development Ongoing	No	No	No	No	No	
------------------	--------------------	---	--	-------------------------------------	---	--	--------------------------------	----	----	----	----	----	--

Name		Type	Gender	Email	Contact	Name	Email
Alexander Francis		Innovator/Entrepreneur External to Institute	Male	roncyex@gmail.com	9447211603		

77	Mobeyosoft	Product Innovation	Non-Technological / Social / Community Innovation		External to the Institute/Incubatee	TRL 7 : Demonstration system operating in operational environment at pre-commercial scale.	TRL 9 : Full commercial application , technology available for consumers.	Innovation Development Ongoing	No	No	No	No	No
----	------------	--------------------	---	--	-------------------------------------	--	---	--------------------------------	----	----	----	----	----

Name		Type	Gender	Email	Contact
Thomas V J		Incubatee Entrepreneur	Male	thomasvakanil@gmail.com	9656353665

Name		Type	Gender	Email	Contact	78
------	--	------	--------	-------	---------	----

I-era	Product Innovation	Technological		Student	TRL 3 : Applied research. First laboratory tests completed ; proof of concept.	TRL 5 : Large scale prototype tested in intended environment.	Innovation Development Ongoing	No	No	No	No	No	
-------	--------------------	---------------	--	---------	--	---	--------------------------------	----	----	----	----	----	--

Name		Type	Gender	Email	Contact	Name	Email
Sidharth Mohan Nair		Student	Male	sidharthmohannair@gmail.com	9895447717		

79	Suvichaar Marine Products	Service Innovation	Technological		External to the Institute/Incubatee	TRL 6 : Prototype system tested in intended environment close to expected performance.	TRL 8 : First of a kind commercial system. Manufacturing issues solved.	Innovation Development Ongoing	No	No	No	No	No
----	---------------------------	--------------------	---------------	--	-------------------------------------	--	---	--------------------------------	----	----	----	----	----

Name		Type	Gender	Email	Contact
Suman Sreedharan & Visakh Kumar		Student	Male	suman.mr@gmail.com	9895171768

Name		Type		Gender		Email			Contact		80
Excel Hvac	Product Innovation	Technological	Alumni	TRL 9 : Full commercial application , technology available for consumers.	TRL 9 : Full commercial application , technology available for consumers.	Innovation Development Ongoing	No	No	No	No	
Name		Type		Gender		Email			Contact		Name Email
Philip		Alumni Entrepreneur		Male		excelairc@gmail.com			9495800133		
81	CubeDST Pvt. Ltd.	Product Innovation	Technological	External to the Institute/Incubatee	TRL 7 : Demonstration system operating in operational environment at pre-commercial scale.	TRL 9 : Full commercial application , technology available for consumers.	Innovation Development Ongoing	No	No	No	No
	Name		Type		Gender		Email			Contact	
Syril James		Alumni Entrepreneur		Male		securiyo@gmail.com			9877865258		
Name		Type		Gender		Email			Contact		82
SeigoTech	Product Innovation	Technological	Faculty	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	TRL 2 : Technology formulation. Concept and application have been formulated .	Innovation Development Ongoing	No	No	No	No	
Name		Type		Gender		Email			Contact		Name Email
Sreerag V		Faculty		Male		vsreerag@amalyothi.ac.in			9249249213		
83	Fawz Labs Pvt. Ltd.	Product Innovation	Technological	Student	TRL 3 : Applied research. First laboratory tests completed ; proof of concept.	TRL 7 : Demonstration system operating in operational environment at pre-commercial scale.	Innovation Development Ongoing	No	No	No	No

Name		Type		Gender		Email			Contact	
Adhil Shah		Faculty		Male		aadilshah56@gmail.com			9656405726	

Name		Type		Gender		Email			Contact		84	
Nostalgic Restaurants	Product Innovation	Technological		External to the Institute/Incubatee	TRL 6 : Prototype system tested in intended environment close to expected performance.	TRL 9 : Full commercial application , technology available for consumers.	Innovation Development Ongoing	No	No	No		No

Name		Type		Gender		Email			Contact		Name	Email
Mohan		Innovator/Entrepreneur External to Institute		Male		sidharthmohannair@gmail.com			9895447717			

85	River Rises	Product Innovation	Technological		Student	TRL 5 : Large scale prototype tested in intended environment.	TRL 7 : Demonstration system operating in operational environment at pre-commercial scale.	Innovation Development Ongoing	No	No	No	No	No
----	-------------	--------------------	---------------	--	---------	---	--	--------------------------------	----	----	----	----	----

Name		Type		Gender		Email			Contact	
Rex Jovakim Joseph		Student		Male		rexjo3333@gmail.com			9061262282	

Name		Type		Gender		Email			Contact		86	
Quadrix CaT Labs	Product Innovation	Technological		Faculty	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype).	Innovation Development Ongoing	No	No	No		No

Name		Type		Gender		Email			Contact		Name	Email
Anu Abraham Mathew		Faculty		Male		anuabrahammathew@amalyothi.ac.in			9947225632			

87	Buildit	Service Innovation	Technological		Student	TRL 7 : Demonstration system operating in operational environment at pre-commercial scale.	TRL 8 : First of a kind commercial system. Manufacturing issues solved.	Innovation Development Ongoing	No	No	No	No	No																												
<table border="1"> <thead> <tr> <th colspan="2">Name</th> <th colspan="3">Type</th> <th colspan="3">Gender</th> <th colspan="3">Email</th> <th colspan="3">Contact</th> </tr> </thead> <tbody> <tr> <td colspan="2">Frank J Jose</td> <td colspan="3">Student</td> <td colspan="3">Male</td> <td colspan="3">frankjose100@gmail.com</td> <td colspan="3">9746199171</td> </tr> </tbody> </table>														Name		Type			Gender			Email			Contact			Frank J Jose		Student			Male			frankjose100@gmail.com			9746199171		
Name		Type			Gender			Email			Contact																														
Frank J Jose		Student			Male			frankjose100@gmail.com			9746199171																														

<table border="1"> <thead> <tr> <th colspan="2">Name</th> <th colspan="3">Type</th> <th colspan="3">Gender</th> <th colspan="3">Email</th> <th colspan="3">Contact</th> </tr> </thead> <tbody> <tr> <td colspan="2">Inques Technologies Pvt. Ltd.</td> <td colspan="3">Product Innovation</td> <td colspan="3">Student</td> <td colspan="3">Innovation Development Ongoing</td> <td colspan="3">No</td> </tr> </tbody> </table>													Name		Type			Gender			Email			Contact			Inques Technologies Pvt. Ltd.		Product Innovation			Student			Innovation Development Ongoing			No			88
Name		Type			Gender			Email			Contact																														
Inques Technologies Pvt. Ltd.		Product Innovation			Student			Innovation Development Ongoing			No																														

<table border="1"> <thead> <tr> <th colspan="2">Name</th> <th colspan="3">Type</th> <th colspan="3">Gender</th> <th colspan="3">Email</th> <th colspan="3">Contact</th> </tr> </thead> <tbody> <tr> <td colspan="2">Vipin Joseph</td> <td colspan="3">Student</td> <td colspan="3">Male</td> <td colspan="3">vipinjoseph64@gmail.com</td> <td colspan="3">9048313422</td> </tr> </tbody> </table>													Name		Type			Gender			Email			Contact			Vipin Joseph		Student			Male			vipinjoseph64@gmail.com			9048313422			Name	Email
Name		Type			Gender			Email			Contact																															
Vipin Joseph		Student			Male			vipinjoseph64@gmail.com			9048313422																															

89	Exsight	Product Innovation	Technological		Student	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	TRL 3 : Applied research. First laboratory tests completed ; proof of concept.	Innovation Development Ongoing	No	No	No	No	No																												
<table border="1"> <thead> <tr> <th colspan="2">Name</th> <th colspan="3">Type</th> <th colspan="3">Gender</th> <th colspan="3">Email</th> <th colspan="3">Contact</th> </tr> </thead> <tbody> <tr> <td colspan="2">Midhun V M</td> <td colspan="3">Student</td> <td colspan="3">Male</td> <td colspan="3">vmmidhunvm@gmail.com</td> <td colspan="3">9656157204</td> </tr> </tbody> </table>														Name		Type			Gender			Email			Contact			Midhun V M		Student			Male			vmmidhunvm@gmail.com			9656157204		
Name		Type			Gender			Email			Contact																														
Midhun V M		Student			Male			vmmidhunvm@gmail.com			9656157204																														

<table border="1"> <thead> <tr> <th colspan="2">Name</th> <th colspan="3">Type</th> <th colspan="3">Gender</th> <th colspan="3">Email</th> <th colspan="3">Contact</th> </tr> </thead> <tbody> <tr> <td colspan="2">Greymore Tech Pvt. Ltd.</td> <td colspan="3">Product Innovation</td> <td colspan="3">Alumni</td> <td colspan="3">Innovation Development Ongoing</td> <td colspan="3">No</td> </tr> </tbody> </table>													Name		Type			Gender			Email			Contact			Greymore Tech Pvt. Ltd.		Product Innovation			Alumni			Innovation Development Ongoing			No			90
Name		Type			Gender			Email			Contact																														
Greymore Tech Pvt. Ltd.		Product Innovation			Alumni			Innovation Development Ongoing			No																														

Name		Type			Gender		Email			Contact			Name	Email
Jesil Karimalil Jose		Alumni Entrepreneur			Male		mailstojesil@gmail.com			8129551960				
91	FOAB Solutions Pvt Ltd.	Product Innovation	Technological		External to the Institute/Incubatee	TRL 5 : Large scale prototype tested in intended environment.	TRL 8 : First of a kind commercial system. Manufacturing issues solved.	Innovation Development Ongoing	No	No	No	No	No	
	Name		Type			Gender		Email			Contact			
Dr. Sunnichan V George		Incubatee Entrepreneur			Male		geosunny@gmail.com			9995206164				
Name												92	Name	Email
Blue Steak		Product Innovation	Technological		Student	TRL 9 : Full commercial application ; technology available for consumers.	TRL 9 : Full commercial application ; technology available for consumers.	Innovation Development Ongoing	No	No	No			
Name		Type			Gender		Email			Contact				
Jaison Thomas		Student			Male		jaison@blusteak.com			9946178610				
93	QKamet	Product Innovation	Technological		Faculty	TRL 0 : Idea. Unproven concept, no testing has been performed .	TRL 3 : Applied research. First laboratory tests completed ; proof of concept.	Innovation Development Ongoing	No	No	No	No	No	
	Name		Type			Gender		Email			Contact			
Vinu Sankar		Faculty			Male		qkamet@gmail.com			9633663359				
Name												94	Name	Email
Punarjeva Technical Solutions LLP	Product Innovation	Technological		External to the Institute/Incubatee	TRL 0 : Idea. Unproven concept, no testing has been performed .	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype).	Innovation Development Ongoing	No	No	No	No			

Name	Type	Gender	Email	Contact
Smitha Rosemary George	Incubatee Entrepreneur	Female	robintomy2006@gmail.com	7907524833

Name	Email

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

Srno	Name of the Venture/Startup/SME Unit Established with the Support of HEI	Type of Innovation of Venture/Startup/SME Unit	Nature of Innovation	Name of the Pre-Incubation/Incubation Unit of HEI Supported Innovation Development	Venture Founded by	Venture Registered as	Year of Registration	What is the current status of Pre-Incubation/Incubation Support to Venture/Startup/ SME Unit as on 31st March 2020?	Had the Venture Received any Recognition at State, National, International Level Programs during the financial period 2019-20?	Had Centre/institute provided any Financial support (either own resource or fund received from agencies) in terms of Seed Grant/Fund Support to Venture establishment during the financial period 2019-20?	Had the venture/startup raised any Seed fund/Angel Investment/V C during the period of receiving pre-incubation/incubation support at your Pre-incubation/incubation or HEI during the financial period 2019-20?	Had the Pre-incubation/Incubation Centre/HEI received any income/revenue from venture/startup for the pre-incubation/incubation support and the services offered by Pre-incubation/incubation or institute during the financial period 2019-20?	Has the Start-up Grown to a stage of Employment Generation to 10 Numbers or an annual Turnover to Rs. 50 Lakhs during the financial year 2019-20?
1	Candle Electric Solutions	Service Innovation	Technological	5888	Alumni	Venture with Corporate Identification Number (CIN) Registration U51900 KL2020 PTC063 650	2019-20	Graduated from the Incubation unit	No	No	No	No	No
Name		DIN number		Type		Gender		Email		Contact			
Akhil Jose		8836245		Student		Male		a2j2manimala@yahoo.com		9747176606			
2	Satriya Healthcare Innovations Pvt. Ltd.	Service Innovation	Non-Technological	778	External to the Institute/Incubatee	Venture with Corporate Identification Number (CIN) Registration 0	2016-17	Received Incubation Support from Incubation Unit	No	No	No	No	Yes
Name		DIN number		Type		Gender		Email		Contact			
Dr. Mohammed Shamnad		NA		Innovator/Entrepreneur External to Institute		Male		ourfamilyclinic@hotmail.com		9544428889			

3	Green Life Engineering Solutions	Product Innovation, Process Innovation	Technologica	778	Alumni	Venture with Corporate Identification Number (CIN) Registration	0	2016-17	Received Incubation Support from Incubation Unit	No	No	No	No	Yes
	Name		DIN number		Type	Gender		Email		Contact				
	Faizal Majeed		0		Alumni Entrepreneur	Male		faizalmangalasseril@gmail.com		9447365988				
4	Aptinnov Labs Pvt. Ltd	Product Innovation, Process Innovation, Service Inno	Technologica	778	Student	Venture with Corporate Identification Number (CIN) Registration	0	2018-19	Received Incubation Support from Incubation Unit	No	No	No	No	No
	Name		DIN number		Type	Gender		Email		Contact				
	Ajin Omanakuttan		0		Student	Male		ajinomanakuttan096@gmail.com		8606117823				
	Alen Anil John		-		Student	Male		-		-				
	Abi Varghese		-		Faculty	Male		-		-				
5	Leopard Tech Labs Pvt. Ltd.	Product Innovation, Process Innovation, Service Inno	Technologica	778	Faculty	Venture with Corporate Identification Number (CIN) Registration	0	2016-17	Received Incubation Support from Incubation Unit	No	No	No	No	No
	Name		DIN number		Type	Gender		Email		Contact				
	Reno Laly Jose		0		Faculty	Female		thomasvarughese@amalyot hi.ac.in		9446264778				
6	Kasperob Robotics Pvt. Ltd.	Product Innovation, Process Innovation	Technologica	778	External to the Institute/ Incubatee	Venture with Corporate Identification Number (CIN) Registration	0	2016-17	Received Incubation Support from Incubation Unit	No	No	No	No	No
	Name		DIN number		Type	Gender		Email		Contact				
	Githu N S		0		Incubatee Entrepreneur	Male		githuns@gmail.com		9400253971				

7	Roncyex Ventures	Service Innovation	Non-Technological	778	External to the Institute/Incubatee	Venture with Corporate Identification Number (CIN) Registration	0	2017-18	Received Incubation Support from Incubation Unit	No	No	No	No	No
Name		DIN number		Type		Gender		Email		Contact				
Alexander Francis		0		Innovator/Entrepreneur External to Institute		Male		roncyex@gmail.com		9447211603				
8	I-era	Product Innovation, Process Innovation, Service Innovation	Technological	778	Student	Venture with Corporate Identification Number (CIN) Registration	0	2017-18	Received Incubation Support from Incubation Unit	No	No	No	No	No
Name		DIN number		Type		Gender		Email		Contact				
Sidharth Mohan Nair		0		Student		Male		sidharthmohannair@gmail.com		9895447717				
9	Suvichaar Marine Products	Product Innovation, Process Innovation, Service Innovation	Technological	778	External to the Institute/Incubatee	Venture with Corporate Identification Number (CIN) Registration	0	2016-17	Received Incubation Support from Incubation Unit	No	No	No	No	Yes
Name		DIN number		Type		Gender		Email		Contact				
Suman Sreedharan		0		Innovator/Entrepreneur External to Institute		Male		suman.mr@gmail.com		9895171768				
10	Excel Hvac	Product Innovation, Process Innovation	Technological	778	Alumni	Venture with Corporate Identification Number (CIN) Registration	0	2017-18	Received Incubation Support from Incubation Unit	No	No	No	No	No
Name		DIN number		Type		Gender		Email		Contact				
Philip		0		Alumni Entrepreneur		Male		excelairc@gmail.com		9495800133				

11	CubeDST Pvt. Ltd.	Process Innovation,Service Innovation,Management P	Non-Technological	778	External to the Institute/Incubatee	Venture with Corporate Identification Number (CIN) Registration	0	2017-18	Received Incubation Support from Incubation Unit	No	No	No	No	No
Name		DIN number		Type		Gender		Email		Contact				
Syril James		0		Innovator/Entrepreneur External to Institute		Male		securiyo@gmail.com		9877865258				
12	Fawz Labs Pvt. Ltd.	Product Innovation,Service Innovation	Technological	778	Student	Venture with Corporate Identification Number (CIN) Registration	0	2017-18	Received Incubation Support from Incubation Unit	No	No	No	No	No
Name		DIN number		Type		Gender		Email		Contact				
Adhil Shah		0		Student		Male		aadilshah56@gmail.com		9656405726				
13	Nostalgic Restaurants	Product Innovation,Marketplace Innovation,Management	Non-Technological	778	External to the Institute/Incubatee	Venture with Corporate Identification Number (CIN) Registration	0	2018-19	Received Incubation Support from Incubation Unit	No	No	No	No	No
Name		DIN number		Type		Gender		Email		Contact				
Mohan		0		Innovator/Entrepreneur External to Institute		Male		sidharthmohannair@gmail.com		9895447717				
14	Inques Technologies Pvt. Ltd.	Product Innovation,Process Innovation,Service Innovation	Technological	778	Student	Venture with Corporate Identification Number (CIN) Registration	0	2018-19	Received Incubation Support from Incubation Unit	No	No	No	No	No
Name		DIN number		Type		Gender		Email		Contact				
Vipin Joseph		0		Student		Male		vipinjoseph64@gmail.com		9048313422				

15	Exsight Future Pvt. Ltd.	Product Innovation, Process Innovation, Market-place	Technological	778	Student	Venture with Corporate Identification Number (CIN) Registration	0	2018-19	Received Incubation Support from Incubation Unit	No	No	No	No	No
Name		DIN number		Type		Gender		Email		Contact				
Midhun V M		0		Student		Male		vmmidhunvm@gmail.com		9656157204				
16	Greymore Tech Pvt. Ltd.	Product Innovation, Service Innovation	Technological	778	Alumni	Venture with Corporate Identification Number (CIN) Registration	0	2019-20	Received Incubation Support from Incubation Unit	No	No	No	No	No
Name		DIN number		Type		Gender		Email		Contact				
Jesil Karimalil Jose		0		Alumni Entrepreneur		Male		mailstojesil@gmail.com		8129551960				
17	FOAB Solutions Pvt Ltd.	Product Innovation, Process Innovation, Reverse Engi	Technological	778	External to the Institute/Incubatee	Venture with Corporate Identification Number (CIN) Registration	0	2018-19	Received Incubation Support from Incubation Unit	No	No	No	No	No
Name		DIN number		Type		Gender		Email		Contact				
Dr. Sunnichan V George		0		Innovator/Entrepreneur External to Institute		Male		geosunny@gmail.com		9995206164				
18	Blue Steak	Product Innovation, Process Innovation, Service Inno	Non-Technological	778	Student	Venture with Corporate Identification Number (CIN) Registration	0	2017-18	Received Incubation Support from Incubation Unit	No	No	No	No	No
Name		DIN number		Type		Gender		Email		Contact				
Jaison Thomas		0		Student		Male		jaison@blusteak.com		9946178610				

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	CERD KTU	Govt. Agency (Central)	Providing (or) Receiving Incubation/Pre-Incubation Support Services to Innovators/Startups	Seed fund	4	22-01-2019
2	ASAP	Govt. Agency (Central)	Collaboration with Startups/Industry Associations/Knowledge Agencies to Promote I&E Activities and/or Internship Opportunities	Incubation	30	12-02-2019
3	AICTE	Govt. Agency (Central)	Providing (or) Receiving Incubation/Pre-Incubation Support Services to Innovators/Startups	Incubation	100	04-03-2019
4	District Administration Kottayam	Govt. Agency (State)	Providing (or) Receiving Incubation/Pre-Incubation Support Services to Innovators/Startups	Mentoring	1	20-04-2019
5	SIGMOS India Pvt. Limited	Corporate / Industry Association	Collaboration with Startups/Industry Associations/Knowledge Agencies to Promote I&E Activities and/or Internship Opportunities	Mentoring	5	05-02-2019
6	AJCE and ATAL Tinker Lab, LFHS	Govt. Agency (Central)	Providing (or) Receiving Incubation/Pre-Incubation Support Services to Innovators/Startups	Mentoring	30	11-03-2019
7	RedHat India	Corporate / Industry Association	Providing (or) Receiving Incubation/Pre-Incubation Support Services to Innovators/Startups	Mentoring	40	12-12-2019
8	Oracle academy	Corporate / Industry Association	Providing (or) Receiving Incubation/Pre-Incubation Support Services to Innovators/Startups	Mentoring	60	30-12-2019
9	AWS Academy	Corporate / Industry Association	Providing (or) Receiving Incubation/Pre-Incubation Support Services to Innovators/Startups	Mentoring	60	13-03-2019
10	Plesk	Corporate / Industry Association	Providing (or) Receiving Incubation/Pre-Incubation Support Services to Innovators/Startups	Mentoring	60	30-01-2019
11	cPanel	Corporate / Industry Association	Providing (or) Receiving Incubation/Pre-Incubation Support Services to Innovators/Startups	Mentoring	60	06-02-2019
12	"EAI- European Alliance for Innovation-Institutional Membership (with MCA dept.)"	Corporate / Industry Association	Providing (or) Receiving Incubation/Pre-Incubation Support Services to Innovators/Startups	Mentoring	60	07-05-2019

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

No Data Filled!

List the IP (Patents only) Filed by the HEI as Applicant / Co-applicant / Co-owner

No Data Filled!

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

No Data Filled!

List the IP Commercialized/Transferred Published & Granted to HEI as Co-applicant/Co-owner

No Data Filled!

Declaration

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


Joint Declaration by the Head of the Institute and Nodal Officer

Dear Sir,

Herewith, myself Dr. Z. V. Lakapampil (Head of Institute) and Dr. Jacob Philip (Nodal Officer) jointly declaring on behalf of our institute is that all the information submitted are true and correct to best of our knowledge.

Thank you

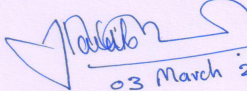
The Head of Institute



21
03 March 2021.

Dr. Z. V. Lakapampil
Head of the Institution,
Kottayam, Kerala

Nodal officer



03 March 2021

Dr. Jacob Philip
Nodal Officer,
Kottayam, Kerala