

Section 1: Policy And Institutionalization Of I&E Activities In HEIs (Academic Calendar Year 2020-21 & 2021-22)

1.1) Adoption Level of Innovation and Entrepreneurship (I&E) Policy in HEIs: Registration; Policy Formulation; Policy Implementation

Completion of Action Items (status as on 7th November 2022)	Status
Registered in the NISP portal for I&E Policy Adoption	Yes
Institute has Formulated an Innovation and Entrepreneurship (I&E) Policy	No
Institute has Action Plans for Implementation of the I&E Policy	No

Contact:

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1.2) Performance Level of Institution's Innovation Councils (IICs) Established in HEIs: Scores and Stars Obtained

Annual Performances of IIC Institute	Stars Secured
IIC 1.0 (2018-19)	
IIC 2.0 (2019-20)	1
IIC 3.0 (2020-21)	3.5
IIC 4.0 (2021-22)	3.5

Contact:

IIC President of the Institute:	Dr. R.K.Gajjar
Designation:	Principal
Email ID:	chvithalani@ldce.ac.in
Mobile No.	9374836390

1.3) Activeness of Trained Innovation Ambassadors in Driving Campus I&E Ecosystems in HEIs: Trained IA/HEI and Nos of Prescribed Activities undertaken by IA

Sr. No.	Name of the Faculty IA	Level of Training	No of I&E Expert Talks/Sessions Conducted
1	Kamble Jitisha S	Advance	1
2	Dr. Chirag S. Thaker	Advance	11
3	Prof. Madhusmita Sahoo	Advance	0
4	Kamble Jitisha S	Advance	0
5	Prof. Mazar Shaikh	Basic	0
6	Mahendra Sinh Gadhavi	Basic	0
7	Prof. Pratima Shah	Basic	0

1.4) Participation in KAPILA/SIH Program

HEI Registered in the KAPILA Portal	C-212	Yes
HEI Participated in the Smart India Hackathon (2022)	C-212	Yes

Section 2: Teaching and Learning: Academic Programs related to Innovation and Entrepreneurship (I&E) Offered by the HEI

2.1) Academic Courses in Innovation, Entrepreneurship and IPR

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Course Start Date	Course End Date
1	Design Engineering 1 A	3130008	2020-21	Core Course	Bachelor	Textile Technology	1	02-08-2021 00:00:00	31-12-2021 00:00:00
2	Design Engineering 1 A	3130008	2020-21	Core Course	Bachelor	Automobile Engineering	1	02-08-2021 00:00:00	31-12-2021 00:00:00
3	Design Engineering 1 A	3130008	2020-21	Core Course	Bachelor	Environmental Engineering	1	02-08-2021 00:00:00	31-12-2021 00:00:00
4	Design Engineering 1 A	3130008	2020-21	Core Course	Bachelor	Biomedical Engineering	1	02-08-2021 00:00:00	31-12-2021 00:00:00
5	Design Engineering 1 A	3130008	2020-21	Core Course	Bachelor	Electrical Engineering	1	02-08-2021 00:00:00	31-12-2021 00:00:00
6	Design Engineering 1 A	3130008	2020-21	Core Course	Bachelor	Instrumentation and Control Engineering	1	02-08-2021 00:00:00	31-12-2021 00:00:00
7	Design Engineering 1 A	3130008	2020-21	Core Course	Bachelor	Computer Engineering	1	02-08-2021 00:00:00	31-12-2021 00:00:00
8	Design Engineering 1 A	3130008	2020-21	Core Course	Bachelor	Computer Engineering	1	02-08-2021 00:00:00	31-12-2021 00:00:00
9	Design Engineering 1 A	3130008	2020-21	Core Course	Bachelor	Instrumentation and Control Engineering	1	02-08-2021 00:00:00	31-12-2021 00:00:00
10	Design Engineering 1A	3130008	2020-21	Core Course	Bachelor	Electronics and Communication Engineering	1	02-08-2021 00:00:00	31-12-2021 00:00:00

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Course Start Date	Course End Date
11	Design Engineering 1A	3130008	2020-21	Core Course	Bachelor	CIVIL ENGINEERING	1	02-08-2021 00:00:00	31-12-2021 00:00:00
12	Design Engineering 1A	3130008	2020-21	Core Course	Bachelor	Mechanical Engineering	1	02-08-2021 00:00:00	31-12-2021 00:00:00
13	Design Engineering 1A	3130008	2020-21	Core Course	Bachelor	Rubber Technology	1	02-08-2021 00:00:00	31-12-2021 00:00:00
14	Design Engineering 1A	3130008	2020-21	Core Course	Bachelor	Plastic Technology	1	02-08-2021 00:00:00	31-12-2021 00:00:00
15	Design Engineering 1A	3130008	2020-21	Core Course	Bachelor	Chemical Engineering Department	1	02-08-2021 00:00:00	31-12-2021 00:00:00
16	Design Engineering 1 B	3140005	2021-22	Core Course	Bachelor	Information Technology	1	17-01-2022 00:00:00	10-05-2022 00:00:00
17	Design Engineering 1 B	3140005	2021-22	Core Course	Bachelor	Textile Technology	1	17-01-2022 00:00:00	10-05-2022 00:00:00
18	Design Engineering 1 B	3140005	2021-22	Core Course	Bachelor	Automobile Engineering	1	17-01-2022 00:00:00	10-05-2022 00:00:00
19	Design Engineering 1 B	3140005	2021-22	Core Course	Bachelor	Environmental Engineering	1	17-01-2022 00:00:00	10-05-2022 00:00:00
20	Design Engineering 1 B	3140005	2021-22	Core Course	Bachelor	Biomedical Engineering	1	17-01-2022 00:00:00	10-05-2022 00:00:00

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Course Start Date	Course End Date
21	Design Engineering 1 B	3140005	2021-22	Core Course	Bachelor	Electrical Engineering	1	17-01-2022 00:00:00	10-05-2022 00:00:00
22	Design Engineering 1 B	3140005	2021-22	Core Course	Bachelor	Instrumentation and Control Engineering	1	17-01-2022 00:00:00	10-05-2022 00:00:00
23	Design Engineering 1 B	3140005	2020-21	Core Course	Bachelor	Instrumentation and Control Engineering	1	17-01-2022 00:00:00	10-05-2022 00:00:00
24	Design Engineering 1 B	3140005	2021-22	Core Course	Bachelor	Computer Engineering	1	17-01-2022 00:00:00	10-05-2022 00:00:00
25	Design Engineering 1 B	3140005	2020-21	Core Course	Bachelor	Computer Engineering	1	17-01-2022 00:00:00	10-05-2022 00:00:00
26	Design Engineering 1B	3140005	2021-22	Core Course	Bachelor	Electronics and Communication Engineering	1	17-01-2022 00:00:00	10-05-2022 00:00:00
27	Design Engineering 1B	3140005	2021-22	Core Course	Bachelor	CIVIL ENGINEERING	1	17-01-2022 00:00:00	10-05-2022 00:00:00
28	Design Engineering 1B	3140005	2021-22	Core Course	Bachelor	Mechanical Engineering	1	17-01-2022 00:00:00	10-05-2022 00:00:00
29	Design Engineering 1B	3140005	2021-22	Core Course	Bachelor	Rubber Technology	1	17-01-2022 00:00:00	10-05-2022 00:00:00
30	Design Engineering 1B	3140005	2021-22	Core Course	Bachelor	Plastic Technology	1	17-01-2022 00:00:00	10-05-2022 00:00:00

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Course Start Date	Course End Date
31	Design Engineering 1B	3140005	2021-22	Core Course	Bachelor	Chemical Engineering Department	1	17-01-2022 00:00:00	10-05-2022 00:00:00
32	Design Engineering 2 A	3150001	2020-21	Core Course	Bachelor	Information Technology	1	07-06-2021 00:00:00	30-09-2021 00:00:00
33	Design Engineering 2 A	3150001	2020-21	Core Course	Bachelor	Textile Technology	1	07-06-2021 00:00:00	30-09-2021 00:00:00
34	Design Engineering 2 A	3150001	2020-21	Core Course	Bachelor	Automobile Engineering	1	07-06-2021 00:00:00	30-09-2021 00:00:00
35	Design Engineering 2 A	3150001	2020-21	Core Course	Bachelor	Environmental Engineering	1	07-06-2021 00:00:00	30-09-2021 00:00:00
36	Design Engineering 2 A	3150001	2020-21	Core Course	Bachelor	Biomedical Engineering	1	07-06-2021 00:00:00	30-09-2021 00:00:00
37	Design Engineering 2 A	3150001	2021-22	Core Course	Bachelor	Electrical Engineering	1	07-06-2021 00:00:00	30-09-2021 00:00:00
38	Design Engineering 2 A	3150001	2021-22	Core Course	Bachelor	Instrumentation AND Control Engineering	1	07-06-2021 00:00:00	30-09-2021 00:00:00
39	Design Engineering 2 A	3150001	2020-21	Core Course	Bachelor	Instrumentation AND Control Engineering	1	07-06-2021 00:00:00	30-09-2021 00:00:00
40	Design Engineering 2 A	3150001	2021-22	Core Course	Bachelor	Computer Engineering	1	07-06-2021 00:00:00	30-09-2021 00:00:00

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41	Design Engineering 2 A	3150001	2020-21	Core Course	Bachelor	Computer Engineering	1	07-06-2021 00:00:00	30-09-2021 00:00:00
42	Design Engineering 2A	3150001	2020-21	Core Course	Bachelor	Electronics and Communication Engineering	1	07-06-2021 00:00:00	30-09-2021 00:00:00
43	Design Engineering 2A	3150001	2020-21	Core Course	Bachelor	CIVIL ENGINEERING	1	07-06-2021 00:00:00	30-09-2021 00:00:00
44	Design Engineering 2A	3150001	2021-22	Core Course	Bachelor	Mechanical Engineering	1	07-06-2021 00:00:00	30-09-2021 00:00:00
45	Design Engineering 2A	3150001	2020-21	Core Course	Bachelor	Rubber Technology	1	07-06-2021 00:00:00	30-09-2021 00:00:00
46	Design Engineering 2A	3150001	2020-21	Core Course	Bachelor	Plastic Technology	1	07-06-2021 00:00:00	30-09-2021 00:00:00
47	Design Engineering 2A	3150001	2020-21	Core Course	Bachelor	Chemical Engineering Department	1	07-06-2021 00:00:00	30-09-2021 00:00:00
48	Design Engineering 2 B	3160001	2021-22	Core Course	Bachelor	Information Technology	1	18-10-2021 00:00:00	31-03-2022 00:00:00
49	Design Engineering 2 B	3160001	2021-22	Core Course	Bachelor	Textile Technology	1	18-10-2021 00:00:00	31-03-2022 00:00:00
50	Design Engineering 2 B	3160001	2021-22	Core Course	Bachelor	Automobile Engineering	1	18-10-2021 00:00:00	31-03-2022 00:00:00

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Course Start Date	Course End Date
51	Design Engineering 2 B	3160001	2021-22	Core Course		Mechanical Engineering	1	18-10-2021 00:00:00	31-03-2022 00:00:00
52	Design Engineering 2 B	3160001	2021-22	Core Course	Bachelor	Environmental Engineering	1	18-10-2021 00:00:00	31-03-2022 00:00:00
53	Design Engineering 2 B	3160001	2021-22	Core Course	Bachelor	Biomedical Engineering	1	18-10-2021 00:00:00	31-03-2022 00:00:00
54	Design Engineering 2 B	3160001	2021-22	Core Course	Bachelor	Electrical Engineering	1	18-10-2021 00:00:00	31-03-2022 00:00:00
55	Design Engineering 2 B	3160001	2021-22	Core Course	Bachelor	Instrumentation and Control Engineering	1	18-10-2021 00:00:00	31-03-2022 00:00:00
56	Design Engineering 2 B	3160001	2020-21	Core Course	Bachelor	Instrumentation and Control Engineering	1	18-10-2021 00:00:00	31-03-2022 00:00:00
57	Design Engineering 2 B	3160001	2021-22	Core Course	Bachelor	Computer Engineering	1	18-10-2021 00:00:00	31-03-2022 00:00:00
58	Design Engineering 2 B	3160001	2020-21	Core Course	Bachelor	Computer Engineering	1	18-10-2021 00:00:00	31-03-2022 00:00:00
59	Design Engineering 2B	3160001	2021-22	Core Course	Bachelor	Electronics and Communication Engineering	1	18-10-2021 00:00:00	31-03-2022 00:00:00
60	Design Engineering 2B	3160001	2021-22	Core Course		CIVIL ENGINEERING	1	18-10-2021 00:00:00	31-03-2022 00:00:00

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61	Design Engineering 2B	3160001	2021-22	Core Course	Bachelor	Rubber Technology	1	18-10-2021 00:00:00	31-03-2022 00:00:00
62	Design Engineering 2B	3160001	2021-22	Core Course	Bachelor	Plastic Technology	1	18-10-2021 00:00:00	31-03-2022 00:00:00
63	Design Engineering 2B	3160001	2021-22	Core Course	Bachelor	Chemical Engineering Department	1	18-10-2021 00:00:00	31-03-2022 00:00:00
64	Dissertation Phase I	3730003	2021-22	Core Course	Master	Electronics and Communication Engineering	4	23-08-2021 00:00:00	31-12-2021 00:00:00
65	Dissertation Phase I	3730003	2020-21	Core Course	Master	Information Technology	4	23-08-2021 00:00:00	31-12-2021 00:00:00
66	Dissertation Phase I	3730003	2020-21	Core Course	Master	Textile Technology	4	23-08-2021 00:00:00	31-12-2021 00:00:00
67	Dissertation Phase I	3730003	2020-21	Core Course		CIVIL ENGINEERING	4	23-08-2021 00:00:00	31-12-2021 00:00:00
68	Dissertation Phase I	3730003	2020-21	Core Course	Master	Environmental Engineering	4	23-08-2021 00:00:00	31-12-2021 00:00:00
69	Dissertation Phase I	3730003	2020-21	Core Course		Rubber Technology	4	23-08-2021 00:00:00	31-12-2021 00:00:00
70	Dissertation Phase I	3730003	2020-21	Core Course	Master	Electrical Engineering	4	23-08-2021 00:00:00	31-12-2021 00:00:00

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Course Start Date	Course End Date
71	Dissertation Phase I	3730003	2021-22	Core Course	Master	Computer Engineering	4	23-08-2021 00:00:00	31-12-2021 00:00:00
72	Dissertation Phase I	3730003	2020-21	Core Course	Master	Computer Engineering	4	22-06-2021 00:00:00	07-11-2021 00:00:00
73	Dissertation Phase I	3730003	2021-22	Core Course	Master	Chemical Engineering Department	4	23-08-2021 00:00:00	31-12-2021 00:00:00
74	Dissertation Phase I	3730003	2021-22	Core Course	Master	Applied Mechanics	4	23-08-2021 00:00:00	31-12-2021 00:00:00
75	Dissertation Phase I	3730003	2020-21	Core Course	Master	Applied Mechanics	4	23-06-2020 00:00:00	07-11-2020 00:00:00
76	Project I	2170002	2020-21	Core Course	Bachelor	Computer Engineering	4	22-06-2021 00:00:00	07-11-2021 00:00:00
77	Project II	2180706	2020-21	Core Course	Bachelor	Computer Engineering	4	28-12-2020 00:00:00	24-04-2021 00:00:00
78	Dissertation Phase II	3740002	2021-22	Core Course	Master	Electronics and Communication Engineering	4	17-01-2022 00:00:00	10-05-2022 00:00:00
79	Dissertation Phase II	3740002	2021-22	Core Course	Master	Information Technology	4	17-01-2022 00:00:00	10-05-2022 00:00:00
80	Dissertation Phase II	3740002	2021-22	Core Course	Master	Textile Technology	4	17-01-2022 00:00:00	10-05-2022 00:00:00

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Course Start Date	Course End Date
81	Dissertation Phase II	3740002	2021-22	Core Course	Master	CIVIL ENGINEERING	4	17-01-2022 00:00:00	10-05-2022 00:00:00
82	Dissertation Phase II	3740002	2021-22	Core Course	Master	Environmental Engineering	4	17-01-2022 00:00:00	10-05-2022 00:00:00
83	Dissertation Phase II	3740002	2021-22	Core Course	Master	Rubber Technology	4	17-01-2022 00:00:00	10-05-2022 00:00:00
84	Dissertation Phase II	3740002	2021-22	Core Course	Master	Electrical Engineering	4	17-01-2022 00:00:00	10-05-2022 00:00:00
85	Dissertation Phase II	3740002	2021-22	Core Course	Master	Computer Engineering	4	17-01-2022 00:00:00	10-05-2022 00:00:00
86	Dissertation Phase II	3740002	2020-21	Core Course	Master	Computer Engineering	4	17-01-2022 00:00:00	10-05-2022 00:00:00
87	Dissertation Phase II	3740002	2021-22	Core Course	Master	Chemical Engineering Department	4	17-01-2022 00:00:00	10-05-2022 00:00:00
88	Dissertation Phase II	3740002	2021-22	Core Course	Master	Applied Mechanics	4	17-01-2022 00:00:00	10-05-2022 00:00:00
89	Dissertation Phase II	3740002	2020-21	Core Course	Master	Applied Mechanics	4	10-12-2020 00:00:00	01-05-2021 00:00:00
90	Internship Project	3181601	2021-22	Core Course	Bachelor	Information Technology	4	16-12-2021 00:00:00	30-04-2022 00:00:00

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Course Start Date	Course End Date
91	Internship Project	3181601	2021-22	Core Course	Bachelor	Textile Technology	4	16-12-2021 00:00:00	30-04-2022 00:00:00
92	Internship Project	3180201	2021-22	Core Course	Bachelor	Automobile Engineering	4	16-12-2021 00:00:00	30-04-2022 00:00:00
93	Internship Project	3180201	2021-22	Core Course	Bachelor	CIVIL ENGINEERING	4	16-12-2021 00:00:00	30-04-2022 00:00:00
94	Internship Project	3181901	2021-22	Core Course	Bachelor	Mechanical Engineering	4	16-12-2021 00:00:00	30-04-2022 00:00:00
95	3181901	3181601	2021-22	Core Course	Bachelor	Environmental Engineering	4	16-12-2021 00:00:00	30-04-2022 00:00:00
96	Internship Project	3180201	2021-22	Core Course	Bachelor	Biomedical Engineering	4	16-12-2021 00:00:00	30-04-2022 00:00:00
97	Rubber Technology	3182601	2021-22	Core Course	Bachelor	Rubber Technology	4	16-12-2021 00:00:00	30-04-2022 00:00:00
98	Internship Project	3182301	2021-22	Core Course	Bachelor	Plastic Technology	4	16-12-2021 00:00:00	30-04-2022 00:00:00
99	Internship Project	3180901	2021-22	Core Course	Bachelor	Electrical Engineering	4	16-12-2021 00:00:00	30-04-2022 00:00:00
100	Internship Project	3181701	2021-22	Core Course	Bachelor	Instrumentation and Control Engineering	4	16-12-2021 00:00:00	30-04-2022 00:00:00

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Course Start Date	Course End Date
101	Internship Project	3181701	2020-21	Core Course	Bachelor	Instrumentation and Control Engineering	4	16-12-2021 00:00:00	30-04-2022 00:00:00
102	Internship Project	3180701	2021-22	Core Course	Bachelor	Computer Engineering	4	16-12-2021 00:00:00	30-04-2022 00:00:00
103	Internship Project	3182601	2021-22	Core Course	Bachelor	Chemical Engineering Department	4	16-12-2021 00:00:00	30-04-2022 00:00:00
104	Research Methodology and IPR	3710001	2021-22	Core Course	Master	Electronics and Communication Engineering	2	20-09-2021 00:00:00	25-06-2022 00:00:00
105	Research Methodology and IPR	3710001	2021-22	Core Course	Master	Information Technology	2	20-09-2021 00:00:00	25-06-2022 00:00:00
106	Research Methodology and IPR	3710001	2021-22	Core Course	Master	Textile Technology	2	20-09-2021 00:00:00	25-06-2022 00:00:00
107	Research Methodology and IPR	3710001	2021-22	Core Course	Master	CIVIL ENGINEERING	2	20-09-2021 00:00:00	25-06-2022 00:00:00
108	Research Methodology and IPR	3710001	2021-22	Core Course	Master	Mechanical Engineering	2	20-09-2021 00:00:00	25-06-2022 00:00:00
109	Research Methodology and IPR	3710001	2021-22	Core Course	Master	Environmental Engineering	2	20-09-2021 00:00:00	25-06-2022 00:00:00
110	Research Methodology and IPR	3710001	2021-22	Core Course	Master	Rubber Technology	2	20-09-2021 00:00:00	25-06-2022 00:00:00

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Course Start Date	Course End Date
111	Research Methodology and IPR	3710001	2021-22	Core Course	Master	Electrical Engineering	2	20-09-2021 00:00:00	25-06-2022 00:00:00
112	Research Methodology and IPR	3710001	2021-22	Core Course	Master	Computer Engineering	2	20-09-2021 00:00:00	25-06-2022 00:00:00
113	Research Methodology and IPR	3710001	2020-21	Core Course	Master	Computer Engineering	2	05-11-2020 00:00:00	17-03-2021 00:00:00
114	Research Methodology and IPR	3710001	2021-22	Core Course	Master	Chemical Engineering	2	20-09-2021 00:00:00	25-06-2022 00:00:00
115	Research Methodology and IPR	3710001	2021-22	Core Course	Master	Applied Mechanics	2	05-11-2020 00:00:00	17-03-2021 00:00:00
116	Research Methodology and IPR	3710001	2020-21	Core Course	Master	Applied Mechanics	2	28-12-2020 00:00:00	02-04-2021 00:00:00
117	Summer Internship	3170001	2020-21	Core Course	Bachelor	Information Technology	2	21-06-2021 00:00:00	12-10-2021 00:00:00
118	Summer Internship	3170001	2020-21	Core Course	Bachelor	Textile Technology	2	21-06-2021 00:00:00	12-10-2021 00:00:00
119	Summer Internship	3170001	2020-21	Core Course	Bachelor	Automobile Engineering	2	21-06-2021 00:00:00	12-10-2021 00:00:00
120	Summer Internship	3170001	2020-21	Core Course	Bachelor	CIVIL ENGINEERING	2	21-06-2021 00:00:00	12-10-2021 00:00:00

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Course Start Date	Course End Date
121	Summer Internship	3170001	2021-22	Core Course	Bachelor	Mechanical Engineering	2	21-06-2021 00:00:00	12-10-2021 00:00:00
122	Summer Internship	3170001	2020-21	Core Course	Bachelor	Environmental Engineering	2	21-06-2021 00:00:00	12-10-2021 00:00:00
123	Summer Internship	3170001	2020-21	Core Course	Bachelor	Biomedical Engineering	2	21-06-2021 00:00:00	12-10-2021 00:00:00
124	Summer Internship	3170001	2020-21	Core Course	Bachelor	Rubber Technology	2	21-06-2021 00:00:00	12-10-2021 00:00:00
125	Summer Internship	3170001	2020-21	Core Course	Bachelor	Plastic Technology	2	21-06-2021 00:00:00	12-10-2021 00:00:00
126	Summer Internship	3170001	2021-22	Core Course	Bachelor	Electrical Engineering	2	21-06-2021 00:00:00	12-10-2021 00:00:00
127	Summer Internship	3170001	2020-21	Core Course	Bachelor	Instrumentation and Control Engineering	2	21-06-2021 00:00:00	12-10-2021 00:00:00
128	Summer Internship	3170001	2021-22	Core Course	Bachelor	Computer Engineering	2	21-06-2021 00:00:00	12-10-2021 00:00:00
129	Summer Internship	3170001	2020-21	Core Course	Bachelor	Chemical Engineering Department	2	21-06-2021 00:00:00	12-10-2021 00:00:00

2.2) Non-Academic Courses in Innovation, Entrepreneurship and IPR

Srno	Title of Course	Academic Year	Type of Certificate Program	Certificate Program/MDP/FDP/EDP Sponsored/Supported by	Certificate Program Offering Department/ Centre/ Unit Name	Program Start Date	Program End Date
1	Research for Sustainable Progress	2021-22	Faculty Development Program (FDP)	Industry/Non-Govt.	Chemical Engineering Department	16-12-2021 00:00:00	22-02-2022 00:00:00
2	Advances in wastewater Treatment Technologies	2020-21	Faculty Development Program (FDP)	Central Govt. Agency	ATAL-AICTE	02-11-2020 00:00:00	06-02-2022 00:00:00
3	Earthquake Safe Design and Construction Practice	2020-21	Short-term Certificate Program	Central Govt. Agency	ATAL-AICTE	01-12-2020 00:00:00	05-02-2022 00:00:00
4	Recent Trends in Environmental Geotechnics for Sustainable Development	2020-21	Short-term Certificate Program	State Govt. Agency	DTE ISTE	22-03-2021 00:00:00	26-02-2022 00:00:00
5	Novel Advances in Ingredients of Sustainable Construction Materials	2020-21	Short-term Certificate Program	State Govt. Agency	Applied Mechanics Department	01-05-2021 00:00:00	05-02-2022 00:00:00
6	Advances in Earthquake Safe Design and Construction Practice	2021-22	Short-term Certificate Program	Central Govt. Agency	Applied Mechanics Department	07-02-2022 00:00:00	11-02-2022 00:00:00

Srno	Title of Course	Academic Year	Type of Certificate Program	Certificate Program/MDP/FDP/EDP Sponsored/Supported by	Certificate Program Offering Department/ Centre/ Unit Name	Program Start Date	Pro End Dat
7	Design of Confined Masonary Buildings for Earthquake Diaster Risk Mitigation in India	2021-22	Short-term Certificate Program	Central Govt. Agency	Applied Mechanics Department	06-06-2022 00:00:00	10-06-2022 00:00:00
8	Flow Characteristics and Turbulence Statistics in Alluvial Channels	2020-21	Faculty Development Program (FDP)	Central Govt. Agency	AICTE-GTU	06-12-2021 00:00:00	10-12-2021 00:00:00
9	Application of GIS and Remote Sensing in Civil Engineering	2020-21	Short-term Certificate Program	State Govt. Agency	CIVIL ENGINEERING DEPARTMENT	15-12-2020 00:00:00	19-12-2020 00:00:00
10	Application of Optimization and Computing Techniques in Engineering	2020-21	Short-term Certificate Program	State Govt. Agency	CIVIL ENGINEERING DEPARTMENT	18-01-2021 00:00:00	22-01-2021 00:00:00
11	Outcome-Based Education and NBA Accreditation Process	2020-21	Short-term Certificate Program	Central Govt. Agency	CIVIL ENGINEERING DEPARTMENT	28-12-2020 00:00:00	02-01-2021 00:00:00

Srno	Title of Course	Academic Year	Type of Certificate Program	Certificate Program/MDP/FDP/EDP Sponsored/Supported by	Certificate Program Offering Department/ Centre/ Unit Name	Program Start Date	Pro End Dat
12	Impactful Pedagogical Skills and Restructuring of Collaborations	2021-22	Short-term Certificate Program	Central Govt. Agency	CIVIL ENGINEERING DEPARTMENT	17-01-2021 00:00:00	21-01-2022 00:00:00
13	Recent Trends and Future Directions in Information Security	2021-22	Faculty Development Program (FDP)	Central Govt. Agency	AICTE-GTU	21-03-2022 00:00:00	26-03-2022 00:00:00

Section 3: Pre-Incubation and Incubation Infrastructure & Facilities are Currently in Operation to Promote I&E Agenda (AY 2020-21 & 2021-22)

3.1) Existence of Pre-Incubation Facility (Tinkering Lab/Makers' Space/Design Centre/New Gen IEDC/IEDC/EDC/Innovation Cell/Startup Cell) (>= 600 Sq. Ft. Floor Area)

Sr. No.	Type of the Unit	Name of Unit	In-charge Name	Contact no	Email	Govt. Schemes
1	Innovation Cell	Aarambh Cell	Dr. Manish Thakker	9824536564	dr.mtthakker@gmail.com	Mentoring Sup Grant Support, Incubation Faci Support (Idea t Prototype and Business Plan Development), Facility Suppor (Innovative Bus Model to Start Market Linkage Growth Stage), Investm Angel a
2	Innovation Cell	Mechanical Department - CAD-CAM Center	Mr. ASHWINKUMAR PATEL	9428274155	ashwinmech79@yahoo.co.in	Mentoring Sup Incubation Faci Support (Idea t Prototype and Business Plan Development)
3	Innovation Cell	Earthquake Engineering and research laboratory	Mr. Chintan Patel	9974100460	cdpatel.casad@gmail.com	Mentoring Sup Incubation Faci Support (Idea t Prototype and Business Plan Development)
4	Innovation Cell	SAE India Gujarat Division Western Section	Mr. Jayendra Vasani	9824457441	jayendravasani@gmail.com	Mentoring Sup Incubation Faci Support (Idea t Prototype and Business Plan Development)

Sr. No.	Type of the Unit	Name of Unit	In-charge Name	Contact no	Email	Govt. Schemes
5	Innovation Cell	Design Lab	Mr. Kinnar Vaghela	9924343433	kinnar@ldce.ac.in	Mentoring Sup Incubation Faci Support (Idea t Prototype and Business Plan Development)

3.2) Existence of Incubation Facility (\geq 1500 Sq. Ft. Floor Area)

Sr. No.	Name of Unit	In-charge Name	Contact no	Email	Govt. Schemes
1	COE SEIMENS	PROF S S PATHAN	9824366631	pathan_ss@yahoo.co.in	Other Central/State Government
2	LDCE Incubation Center	Dr. Hiteshi Diwanji	9824076670	head_it@ldce.ac.in	DST/NSTEDB/NIDHI
3	COE - Welding - Keepsake	Dr. Mrunalkumar Chaudhari	9725783170	mrunalkumarc@gmail.com	Other Central/State Government
4	Super Computing Center	Mr. Tushar Champaneria	9924144543	tac@ldce.ac.in	Other Central/State Government
5	Electrical Department - Testing and calibration center	Dr. Umesh Makwana	9428017098	ulmakwana@ldce.ac.in	Other Central/State Government

3.3) Existence of IPR Cell / Patent Facilitation Unit / Technology Transfer Centre at the institute

Sr. No.	Type of the Unit	Name of Unit	In-charge Name	Contact no	Email	Govt. Schemes
1	IPR Cell	IPR Cell LDCE	Dr. Sanjay Prajapati	9725004130	samjayprajapati75@ldce.ac.in	Mentoring Support,Seed Grant Support,Pre-Incubation Facility Support (Idea to Prototype and Innovative Business Plan Development),Incubation Facility Support (Innovative Business Model to Startup and Market Linkage & Growth Stage),Investment - Angel a

Section 4: Generation and Support of Prototypes / Innovations at HEI and Recognition received (AY 2020-21 & 2021-22)

4) Total no. of Innovations (Verified and Recommended) in Different TRLs (4-9) are Recorded in the YUKTI National Innovation Repository of the IIC Institute (Status as on 7th November 2022)

Sr. No.	Innovation Name	Developed as part of	FY of Development (FY. 2020-21,2021-22)	TRL Stage	Team Lead/Innovator Name	Current Engagement of Team Lead in Institute
1	AI based Platform to make Chat Assistant to answer FAQs	Academic Requirement/Study Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	Hetal A. Joshiyara	Faculty

Sr. No.	Innovation Name	Developed as part of	FY of Development (FY. 2020-21,2021-22)	TRL Stage	Team Lead/Innovator Name	Current Engagement of Team Lead in Institute
2	Solar Mukhi	Independent Assignment/Non-academic Study Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	Tirth Brahmakshatriya	Student
3	Smart Shield	Academic Research Assignment/Industry Sponsored Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	Hiteishi Diwanji	Faculty
4	Eye Catchers	Academic Research Assignment/Industry Sponsored Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	Tirth Minishkumar Shah	Student
5	ULTRA HIGH STRENGTH CONCRETE	Academic Requirement/Study Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	NAMAN THAKER	Student
6	MEDILOCKER	Academic Research Assignment/Industry Sponsored Project	2021-22	TRL 9 : Full commercial application, technology available for consumers	PATEL MADHURI JAYANTILAL	Faculty

Sr. No.	Innovation Name	Developed as part of	FY of Development (FY. 2020-21,2021-22)	TRL Stage	Team Lead/Innovator Name	Current Engagement of Team Lead in Institute
7	Suggest an innovative technical approach to address the air pollution and stubble burning in Delhi/NCR	Independent Assignment/Non-academic Study Project	2021-22	TRL 6 : Prototype system tested in intended environment close to expected performance	Gnanu Bhatt	Faculty
8	Starilization Chamber	Independent Assignment/Non-academic Study Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	JEET LUKHI	Student
9	Starilization Chamber	Independent Assignment/Non-academic Study Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	JEET LUKHI	Student
10	Compact Powerful Electron beam gun	Academic Requirement/Study Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	MITULKUMAR GORDHANBHAI PATEL	Faculty

Sr. No.	Innovation Name	Developed as part of	FY of Development (FY. 2020-21,2021-22)	TRL Stage	Team Lead/Innovator Name	Current Engagement of Team Lead in Institute
11	Carbon Dioxide Capture by Municipal Solid Waste	Independent Assignment/Non-academic Study Project	2020-21	TRL 6 : Prototype system tested in intended environment close to expected performance	Manish Vrajlal Shah	Faculty
12	eDRA (Early Diagnosis of Rheumatoid Arthritis: Non Invasively)	Independent Assignment/Non-academic Study Project	2020-21	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	BHAVESH PARMAR	Faculty
13	NIVARAN: Non Invasive Vital sign & Respiratory ANalyzer	Independent Assignment/Non-academic Study Project	2020-21	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	BHAVESH PARMAR	Faculty
14	PRAN - Protective Respiratory Auxiliary Node	Independent Assignment/Non-academic Study Project	2020-21	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	BHAVESH PARMAR	Faculty

Sr. No.	Innovation Name	Developed as part of	FY of Development (FY. 2020-21,2021-22)	TRL Stage	Team Lead/Innovator Name	Current Engagement of Team Lead in Institute
15	A handy portable Bar Bending tool for construction sites	Academic Requirement/Study Project	2020-21	TRL 6 : Prototype system tested in intended environment close to expected performance	Chintan Patel	Faculty
16	CELER	Independent Assignment/Non-academic Study Project	2020-21	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	Jay Shah	Student
17	Design and Development of FDM 3d Printer and its Educational Application	Academic Requirement/Study Project	2020-21	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	pratik panchal	Student
18	SolarMate (Automatic Solar panel cleaning Robot)	Independent Assignment/Non-academic Study Project	2020-21	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	MIHIR R VASAVADA	Faculty

Sr. No.	Innovation Name	Developed as part of	FY of Development (FY. 2020-21,2021-22)	TRL Stage	Team Lead/Innovator Name	Current Engagement of Team Lead in Institute
19	Camera Surveillance	Independent Assignment/Non-academic Study Project	2020-21	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	Nirali Kotak	Faculty
20	Knowtice	Independent Assignment/Non-academic Study Project	2020-21	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	Nirali Kotak	Faculty
21	Greensats	Independent Assignment/Non-academic Study Project	2020-21	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	Nirali Kotak	Faculty
22	Laser Controlled infusion monitoring unit for smart healthcare system	Independent Assignment/Non-academic Study Project	2020-21	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	Nirali Kotak	Faculty

Section 5: Start-ups/Ventures Established and Supported at HEI and & Recognitions Received (AY 2020-21 & 2021-22)

5) Total no of Ventures/Startups (Verified and Recommended) are Recorded in the YUKTI National Innovation Repository of the IIC Institute (Status as on 7th November 2022)

Sr. No.	Startup/Venture Name	Startup/Venture Registered as	CIN No/LLP/OPC/RC No
1	ZEVIN TECHNOLOGIES PRIVATE LIMITED	Private Limited Firm (Pvt. Ltd.)	U72900GJ2022PTC133965 View Document (https://api.mic.gov.in/uploads/institutes/innovationcontest/im)
2	Brainiac Healthcare Private Limited	Private Limited Firm (Pvt. Ltd.)	U85300GJ2021PTC124795 View Document (https://api.mic.gov.in/uploads/institutes/innovationcontest/im)
3	Reolo	Private Limited Firm (Pvt. Ltd.)	U72900GJ2020PTC115818 View Document (https://api.mic.gov.in/uploads/institutes/innovationcontest/im)
4	IBOTIKS Innovations LLP	Limited Liability Partnership Firm (LLP)	AAX-8346 View Document (https://api.mic.gov.in/uploads/institutes/innovationcontest/im)

Section 6: Collaboration with Other Incubation Units, HEIs and Industry Associations to Strengthen Better Services and Support to Innovation & Startups at HEI (AY 2020-21 & 2021-22)

6) Collaboration with Other Incubation Units, HEIs and Industry Associations to Strengthen Better Services and Support to Innovation & Startups at HEI (AY 2020-21 & 2021-22)

Sr. No.	Collaborated Agency Name	Collaborated Agency Type	Period of Collaboration (No. of Years)	Current Status of Collaboration	Date of MOU / Agreement Signed on	View
1	Nifa Electronics	Corporate/Industry Association	2024	Active	14-12-2021	
2	Prima Automation (India) Pvt. Ltd	Corporate/Industry Association	2024	Active	01-01-2020	
3	Keepsake Engineering consultancy Pvt. Ltd	Corporate/Industry Association	2024	Active	01-01-2020	
4	Amee Power Drives	Corporate/Industry Association	2024	Active	01-01-2020	
5	Independent Consultants & Technocrats	Corporate/Industry Association	2026	Active	21-07-2021	
6	Brij Consultancy Pvt. Ltd.	Knowledge/Mentoring Agency	2026	Active	30-01-2021	
7	Occulus Infrastructure	Corporate/Industry Association	2026	Active	02-02-2021	
8	Urra Life Creations Pvt. Ltd.	Corporate/Industry Association	2026	Active	30-01-2021	
9	MaRS Planning and Engineering Pvt. Ltd.	Corporate/Industry Association	2026	Active	21-07-2021	
10	Infinite Civil Solutions Pvt. Ltd.	Corporate/Industry Association	2026	Active	30-01-2021	
11	MAP Technolab Pvt. Ltd.	Corporate/Industry Association	2026	Active	30-01-2021	
12	Multimedia Consultants Pvt. Ltd.	Corporate/Industry Association	2026	Active	30-01-2021	
13	Pushkar Developers Pvt. Ltd.	Corporate/Industry Association	2026	Active	03-02-2021	

Sr. No.	Collaborated Agency Name	Collaborated Agency Type	Period of Collaboration (No. of Years)	Current Status of Collaboration	Date of MOU / Agreement Signed on	View
14	HRP Consultants Pvt. Ltd.	Corporate/Industry Association	2026	Active	28-01-2021	
15	Rajkamal Builders Pvt. Ltd.	Corporate/Industry Association	2026	Active	21-07-2021	
16	Medinnova Systems Pvt. Ltd., Savli, Vadodara	Corporate/Industry Association	2025	Active	17-09-2020	
17	Wellness Space LLP, Ahmedabad	Corporate/Industry Association	2025	Active	22-10-2020	
18	Doctroid India Pvt. Ltd, Surat	Corporate/Industry Association	2025	Active	15-12-2021	
19	Gujarat Cleaner Production Centre, Gandhinagar	Govt. Agency (State)	2024	Active	16-12-2021	
20	SAE India	Corporate/Industry Association	2023	Active	01-01-2020	
21	Prutha Packaging	Corporate/Industry Association	2024	Active	15-12-2021	
22	Dutron Plastics Pvt. Ltd.	Corporate/Industry Association	2024	Active	15-12-2021	
23	Virtual Height Pvt.Ltd	Corporate/Industry Association	2027	Active	08-04-2022	
24	Cloud Counselage Pvt.Ltd	Corporate/Industry Association	2025	Active	03-07-2020	
25	Pioneer Industries	Corporate/Industry Association	2025	Active	15-12-2021	
26	The Textile Association (India), Ahmedabad Unit	Corporate/Industry Association	2024	Active	15-12-2021	
27	SID Consultants, Ahmedabad	Non Govt. Agency	2023	Active	01-01-2020	
28	S3M Design Consultant LLP, Ahmedabad.	Non Govt. Agency	2023	Active	01-01-2020	

Sr. No.	Collaborated Agency Name	Collaborated Agency Type	Period of Collaboration (No. of Years)	Current Status of Collaboration	Date of MOU / Agreement Signed on	View
29	Mukesh A Patel Technical Consultancy & Civil Engineers Laboratory (MAPTCEL),Gandhinagar.	Non Govt. Agency	2023	Active	01-01-2020	
30	Mahavir Traders, Ahmedabad	Non Govt. Agency	2023	Active	01-01-2020	
31	Association of Consulting Civil Engineers-ACCE (India)	Corporate/Industry Association	2024	Active	01-01-2020	
32	Indian Institution of Valuers	Corporate/Industry Association	2024	Active	01-01-2020	
33	UltraTech Cement Ltd.	Non Govt. Agency	2022	Active	01-01-2020	
34	Mattest Engineering Serviced Pvt. Ltd.	Non Govt. Agency	2026	Active	18-12-2021	
35	Ambuja Cements Ltd.	Non Govt. Agency	2026	Active	17-12-2021	
36	Gujarat Institute of Disaster Management, Gandhinagar.	Govt. Agency (State)	2024	Active	01-01-2020	
37	MG MOTOR INDIA PRIVATE LIMITED	Corporate/Industry Association	2022	Active	06-04-2022	
38	Kiri Industries Limited, Ahmedabad	Non Govt. Agency	2027	Active	06-06-2022	
39	CalyxPOD Talent Solutions Pvt. Ltd	Corporate/Industry Association	2023	Active	02-07-2022	
40	Gujarat Chemical Association (GCA)	Corporate/Industry Association	2024	Active	15-12-2021	
41	Sanvi Rubber Products	Corporate/Industry Association	2025	Active	27-12-2021	
42	GCCI and CEE, Ahmedabad	Corporate/Industry Association	2022	Active	01-01-2020	

Sr. No.	Collaborated Agency Name	Collaborated Agency Type	Period of Collaboration (No. of Years)	Current Status of Collaboration	Date of MOU / Agreement Signed on	View
43	Exposit Immersive Solutions Pvt. Ltd.	Corporate/Industry Association	2023	Active	01-01-2021	
44	Reolo Holographics Private Limited	Corporate/Industry Association	2024	Active	01-07-2021	
45	GetWings Technologies Pvt. Ltd.	Corporate/Industry Association	2023	Active	01-01-2020	
46	Sapphire Software Solutions	Corporate/Industry Association	2023	Active	01-01-2020	
47	Silver Touch Technologies Ltd (STTL)	Corporate/Industry Association	2023	Active	01-01-2020	
48	TOPS Technologies Pvt. Ltd.	Corporate/Industry Association	2023	Active	01-01-2020	
49	VARDHAN INSYS, Ahmedabad	Corporate/Industry Association	2023	Active	01-01-2020	
50	SculptSoft Private Limited	Corporate/Industry Association	2024	Active	18-12-2021	
51	Praxware Technologies	Corporate/Industry Association	2024	Active	12-10-2021	
52	Ekarshi Open source Foundation	Corporate/Industry Association	2024	Active	12-02-2021	
53	EM Power Cosmos Pvt. Ltd.	Corporate/Industry Association	2024	Active	18-12-2021	
54	P & N Engineering & Marketing	Corporate/Industry Association	2024	Active	18-12-2021	
55	Aatman Corporation	Corporate/Industry Association	2024	Active	18-12-2021	
56	Topline Switchgear Pvt. Ltd.	Corporate/Industry Association	2024	Active	20-12-2020	
57	Sahajanand Electricals	Corporate/Industry Association	2024	Active	21-12-2021	

Sr. No.	Collaborated Agency Name	Collaborated Agency Type	Period of Collaboration (No. of Years)	Current Status of Collaboration	Date of MOU / Agreement Signed on	View
58	Prima Automation Pvt Ltd.	Corporate/Industry Association	2024	Active	22-12-2021	
59	SARC EPC Projects Pvt. Ltd.	Corporate/Industry Association	2024	Active	22-12-2021	
60	Rhino Engg. Pvt. Ltd.	Corporate/Industry Association	2024	Active	27-12-2021	
61	Invers Semiconductors Limited	Corporate/Industry Association	2024	Active	05-01-2022	

Section 7: Intellectually Property (IP) Generated and Commercialization

7.1) IPR Filed and Published (Copyrights & Design only)

Sr. No.	Title/Name of IP (Copyright/Design Only)	Type of IP	IP Registration Number of Copyright/Design	Date of Filed/Published	Has this IP(Copyright & Designs Only) been Commercialized/Transferred to Industry/Startup/Society?
1	BIOGUARD M20	Design	336956-001	29-12-2020	No
2	Smart Flower Pot	Design	348805-001	02-09-2021	No
3	Sterilization Chamber	Design	D350941-001	07-10-2021	No
4	Modified Design of Tweel Tire	Design	D350073-001	23-09-2021	No
5	Front Mounting Wind Turbine Unit for Boosting Efficiency of Electric Vehicles	Design	D353314-001	17-11-2021	No

Sr. No.	Title/Name of IP (Copyright/Design Only)	Type of IP	IP Registration Number of Copyright/Design	Date of Filed/Published	Has this IP(Copyright & Designs Only) been Commercialized/Transferred to Industry/Startup/Society?
6	Solar-Wind Integrated Hybrid Efficiency Boosting Unit for Electric Vehicles	Design	D353327-001	17-11-2021	No
7	Advanced Agriculture Greenhouse Climate Control System	Design	355655-001	29-12-2021	No

7.2) Patents Filed by HEI

Sr. No.	Title/Name of Patent	IP Registration Number	Date of Filed/Published
1	Optimized Energetic Solar dryer	201921053687	03-01-2020
2	Laser Controlled infusion monitoring unit for smart health care system	202021005429	14-02-2020
3	UNDERWATER INSPECTION VEHICLE -1.0	202021011354	17-03-2020
4	NIVARAN - "Non Invasive Vital sign & Respiratory Analyzer"	202021017788	25-04-2020
5	PRAN - "Protective Respiratory Auxiliary Node"	202021019725	09-05-2020
6	eDRA - "Early Diagnosis of Rheumatoid Arthritis: Non-invasively"	202021021772	23-05-2020
7	Aqua Cleaner	202021024093	09-06-2020
8	Smart Saline Bottle	202021029121	31-07-2020
9	Flow rate based Fuel Quantity Measurement and Advance SMS system for Passenger and Commercial vehicle	202021029692	04-09-2020
10	Multilayer Fabric for Electromagnetic Shielding	202021031962	28-08-2020
11	Machine Intelligence Based Smart Camera Surveillance System	202021028608	31-07-2020
12	Indirectly heated powder fill cathode for electron gun	202021035225	15-08-2020

Sr. No.	Title/Name of Patent	IP Registration Number	Date of Filed/Published
13	Virus detection of body	202021035226	15-08-2020
14	Batt co Gen	202021036267	20-08-2020
15	Synchronous Phase Detector For Protection Of Three Phase Operated Electrical Appliance	202021033200	28-08-2020
16	STAIKER	202021039550	12-09-2020
17	Static DVDF Testing Equipment	202021039551	12-09-2020
18	System And Method of Teleporting Using Hologram Technology	202021042947	02-10-2020
19	IOT Tyre Pressure and Temperature Monitoring and Alert System	202021043956	08-10-2020
20	Adjustable stand with Flexible Height and Angel Setting	202021044959	15-10-2020
21	Study of Utilization of Industrial Waste in Manufacturing of Building materials	202021045976	22-10-2020
22	DRIPECT	202022046515	26-10-2020
23	Electric Kit for converting IC Engine Scooter to EV	202021048283	05-11-2020
24	Planetary Gear Ceiling Fan	202021049148	10-11-2020
25	I-Charge	202021049141	10-11-2020
26	Greensts: revolutionizing Underutilized Surface	202021045977	13-11-2020
27	TEST CYCLE FOR CENTRIFUGAL CLUTCH	202021056817	29-12-2020
28	Collar diagnosis belt	202121000623	06-01-2021
29	Centrifugal Clutch Assist System	202121002122	16-01-2021
30	Eco Green Titanium Dioxide Photolytic catalytic Converter	202121002423	19-01-2021
31	Rechargeable UV-C Disinfection Mask	202121007365	22-02-2021
32	Smart Shovel	202121010811	19-03-2021
33	Indoor Air Quality Control By UV Technology in Split Air-conditioning System	202121000499	06-01-2021
34	GYROLING	202121009400	05-03-2021

Sr. No.	Title/Name of Patent	IP Registration Number	Date of Filed/Published
35	Floating Trash Collecting Device	202121021196	11-05-2021
36	Grinding Attachment for Vertical Drill Machine	202121023735	28-05-2021
37	Smart dustbin for solid waste	202121025884	10-06-2021
38	Modular Hydroponic Assembly for Wastewater Treatment	202121030282	06-07-2021
39	Handy Portable Bar Bending Tool for Construction Sites	202121034657	02-08-2021
40	Method for detecting density of Open Cellular hydrophilic porous material without porosity	202121039193	30-08-2021
41	Assistive Device for Surface Angle Measurement of Tibial Head during Knee Replacement Surgery	202121039705	02-09-2021
42	Method and System For Moving Object Detection and Sensing	202121035436	05-08-2021
43	Biodiesel preparation device and method using Co doped ZnO Catalyst	202121046521	12-10-2021
44	Grey TiO ₂ synthesis through Aluminum foil assisted NaBH ₄ reduction	202121060193	23-12-2021

7.3) Patent Published / Granted Data

Sr. No.	Patent Registration Application No	Patent Title	Patent Application Date	Status of Patent Applications	Patent Published / Granted Calendar Year	Institute applied the Patent as	View
1	202021045977	Greensats: revolutionizing Underutilized Surface	22-10-2020	Granted	2022	Applicant	Vi
2	202121046521	BIODIESEL PREPARATION DEVICE AND METHOD USING CO DOPED ZNO CATALYST	12-10-2021	Granted	2022	Applicant	Vi

Sr. No.	Patent Registration Application No	Patent Title	Patent Application Date	Status of Patent Applications	Patent Published / Granted Calendar Year	Institute applied the Patent as	View
3	202021021772	eDRA - "Early Diagnosis of Rheumatoid Arthritis: Non-invasively"	23-05-2020	Published	2021	Other(Individual)	Vi
4	201821028109	LIVABLE FLOOR ENERGY (LIFE)	26-07-2018	Published	2021	Other(Individual)	Vi
5	201921013332	HYBRID CLAY FOR CAPTURING CO2	02-04-2019	Published	2020	Other(Individual)	Vi
6	201921048479	UNIVERSAL POWER CIRCUIT	27-11-2019	Published	2020	Other(Individual)	Vi
7	201921053193	IONIC LIQUID APPLICATION AS CURATIVE FOR UNSATURATED RUBBER	20-12-2019	Published	2022	Other(Individual)	Vi
8	202021011354	UNDERWATER INSPECTION VEHICLE -1.0	17-03-2020	Published	2021	Other(Individual)	Vi
9	202021017788	NIVARAN - NON INVASIVE VITAL SIGN & RESPIRATORY ANALYZER	25-04-2020	Published	2021	Other(Individual)	Vi
10	202021024093	AQUA CLEANER	09-06-2020	Published	2020	Other(Individual)	Vi
11	202021029692	FLOW RATE BASED FUEL QUANTITY MEASUREMENT AND ADVANCE SMS SYSTEM FOR PASSENGER AND COMMERCIAL VEHICLE	13-07-2020	Published	2020	Other(Individual)	Vi

Sr. No.	Patent Registration Application No	Patent Title	Patent Application Date	Status of Patent Applications	Patent Published / Granted Calendar Year	Institute applied the Patent as	View
12	202021031962	MULTILAYER FABRIC FOR ELECTROMAGNETIC SHIELDING	26-07-2020	Published	2020	Other(Individual)	Vi
13	202021035225	INDIRECTLY HEATED POWDER FILLED CATHODE FOR ELECTROGUN	15-08-2020	Published	2021	Other(Individual)	Vi
14	202021043956	IOT TYRE PRESSURE AND TEMPERATURE MONITORING AND ALERT SYSTEM	08-10-2020	Published	2020	Other(Individual)	Vi
15	202021044959	ADJUSTABLE STAND WITH FLEXIBLE HEIGHT AND ANGLE SETTING	15-10-2020	Published	2020	Other(Individual)	Vi
16	202021045976	STUDY OF UTILIZATION OF INDUSTRIAL WASTE IN MANUFACTURING OF BUILDING MATERIALS	22-10-2020	Published	2021	Other(Individual)	Vi
17	202022046515	DRIPECT	26-10-2020	Published	2020	Other(Individual)	Vi
18	202021048283	ELECTRIC KIT FOR CONVERTING IC ENGINE SCOOTER TO EV	05-11-2020	Published	2020	Other(Individual)	Vi
19	202021049148	PLANETARY GEAR CEILING FAN	10-11-2020	Published	2022	Other(Individual)	Vi

Sr. No.	Patent Registration Application No	Patent Title	Patent Application Date	Status of Patent Applications	Patent Published / Granted Calendar Year	Institute applied the Patent as	View
20	202021056817	TEST CYCLE FOR CENTRIFUGAL CLUTCH	29-12-2020	Published	2021	Other(Individual)	Vi
21	202121002122	CENTRIFUGAL CLUTCH ASSIST SYSTEM	16-01-2021	Published	2021	Other(Individual)	Vi
22	202121002423	ECO GREEN TITANIUM DIOXIDE PHOTOLYTIC CATALYTIC CONVERTER	19-01-2021	Published	2021	Other(Individual)	Vi
23	202121000499	INDOOR AIR QUALITY CONTROL BY UV TECHNOLOGY IN SPLIT AIR CONDITIONING SYSTEM	06-01-2021	Published	2021	Other(Individual)	Vi
24	202121010811	SMART SHOVEL	15-03-2021	Published	2021	Other(Individual)	Vi
25	202121009400	GYROLIGN	05-03-2021	Published	2021	Other(Individual)	Vi
26	202121021196	FLOATING TRASH COLLECTING DEVICE	11-05-2021	Published	2021	Other(Individual)	Vi
27	202121023735	GRINDING ATTACHMENT FOR VERTICAL DRILL MACHINE	28-05-2021	Published	2021	Other(Individual)	Vi
28	202121025884	SMART DUSTBIN FOR SOLID WASTE	10-06-2021	Published	2021	Other(Individual)	Vi
29	202121030282	MODULAR HYDROPONIC ASSEMBLY FOR WASTEWATER TREATMENT	06-07-2021	Published	2021	Other(Individual)	Vi

Sr. No.	Patent Registration Application No	Patent Title	Patent Application Date	Status of Patent Applications	Patent Published / Granted Calendar Year	Institute applied the Patent as	View
30	202121034657	A HANDY PORTABLE BAR BENDING TOOL FOR CONSTRUCTION SITES	02-08-2021	Published	2021	Other(Individual)	Vi
31	202121039193	METHOD FOR DETECTING DENSITY OF OPEN CELLULAR HYDROPHILIC POROUS MATERIAL WITHOUT POROSITY	30-08-2021	Published	2021	Other(Individual)	Vi
32	202121039705	ASSISTIVE DEVICE FOR SURFACE ANGLE MEASUREMENT OF TIBIAL HEAD DURING KNEE REPLACEMENT SURGERY	02-09-2021	Published	2021	Other(Individual)	Vi
33	202121060193	GREY TIO2 SYNTHESIS THROUGH ALUMINIUM FOIL ASSISTED NABH4 REDUCTION	23-12-2021	Published	2022	Applicant	Vi
34	201921024323	SAND-FREE UNFIRED BRICKS AND MANUFACTURING METHOD THEROF	19-06-2019	Granted	2021	Other(Individual)	Vi
35	202021029121	SMART SALINE BOTTLE	09-07-2020	Granted	2022	Other(Individual)	Vi

Sr. No.	Patent Registration Application No	Patent Title	Patent Application Date	Status of Patent Applications	Patent Published / Granted Calendar Year	Institute applied the Patent as	View
36	202021019725	PRAN - PROTECTIVE RESPIRATORY AUXILIARY NODE	09-05-2020	Granted	2022	Other(Individual)	Vi
37	201921051652	ADVANCED DATA LOGGER	13-12-2019	Granted	2021	Other(Individual)	Vi
38	201921053687	OPTIMIZED ENERGETIC SOLAR DRYER	24-12-2019	Granted	2021	Other(Individual)	Vi
39	202021005429	LASER CONTROLLED INFUSION MONITORING UNIT FOR SMART HEALTH CARE SYSTEM	07-02-2020	Granted	2021	Other(Individual)	Vi
40	202021028608	MACHINE INTELLIGENCE BASED SMART CAMERA SURVEILLANCE SYSTEM	06-07-2020	Granted	2021	Other(Individual)	Vi
41	202021033200	SYNCHRONOUS PHASE DETECTOR FOR PROTECTION OF THREE PHASE OPERATED ELECTRICAL APPLIANCES.	03-08-2020	Granted	2021	Other(Individual)	Vi
42	202121035436	METHOD AND SYSTEM FOR MOVING OBJECT DETECTION AND SENSING	05-08-2021	Granted	2022	Other(Individual)	Vi

7.4) IP Commercialized and Transferred to Industry/Startup

Sr. No.	Name of Technology Licenced/Transferred/Commercialized	Technology Type	Patent/Licence Holder name (Institute Co-ownership is Must)	Technology Transferred to	Name of Licensee	Date Tran: Tech
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No Data Found



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. R. K. Gajjar** (Head of Institute) and **Mr. Manish Thakker** (Nodal Officer) jointly declaring on behalf of our institute is that all the information submitted are true and correct to best of our knowledge.

Thank you

The Head of Institute

Nodal officer


15-Oct-22
(Dr. R. K. Gajjar)


15-Oct-22

Dr. R. K. Gajjar,
Head of the Institution,
L. D. COLLEGE OF ENGINEERING,
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