



National Institutional Ranking Framework for Innovation  
Ministry of Education, Government of India

(/DSP/Dashboard)



## Full Data Report

[Generate Validate Report](#)

[Back \(/DSP/Dashboard\)](#)



**Kumaraguru College of Technology [ ARI-C-36926 ][ C-36926 ]**

### 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	Yes

**Contact:**

Faculty Name:	Dr.K.Paramasivam
Designation:	Professor
Email ID:	paramasivam.k.ece@kct.ac.in
Mobile No.	9942989881

## 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)	1,2,3,4
IIC 2.0 (2019-20)	5
IIC 3.0 (2020-21)	4
IIC 4.0 (2021-22)	4

### Contact:

IIC President of the Institute:	Dr. D.Saravanan
Designation:	Principal
Email ID:	principal@kct.ac.in
Mobile No.	9487700830

## 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	S.Suryaprakash	Advance	2
2	Dr Paramasivam K	Advance	8
3	Dr.BALASUBRAMANIAN S	Advance	3
4	G.Kanagaraj	Advance	0
5	M Senthil Kumar	Advance	0

<b>Sr. No.</b>	<b>Name of the Faculty IA</b>	<b>Level of Training</b>	<b>No of I&amp;E Expert Talks/Sessions Conducted</b>
6	SARAVANAN M	Advance	0
7	Mr. Jeeva B	Advance	0
8	Naveen Kumar K	Advance	0
9	ALLIN JOE D	Advance	0
10	SIVAKUMAR SUBRAMANIAN	Advance	0
11	Dr. R. Marudhachalam	Advance	0
12	EZHILARASI A	Advance	0
13	Syed Ali Fathima S J	Advance	1
14	THILAGAVATHI K	Advance	0
15	Dr KR Aranganayagam	Basic	1
16	Dr.S.Mohankumar	Basic	0
17	Muthukumar S	Basic	0
18	Dr. T. SATHISH KUMAR	Basic	0
19	ATHAPPAN V	Advance	0
20	N.Rajathi	Basic	0
21	Sukanyadevi R	Basic	0
22	S.Boopathy	Advance	0
23	KAVITHA K	Advance	0
24	SIVAKUMAR SUBRAMANIAN	Advance	0
25	PREMALATHA J	Basic	0
26	Vinoth Kumar	Basic	0
27	Dr.S.Thirumurugaveerakumar	Basic	0
28	Jasmine K	Advance	0
29	CHANDRAKUMAR S	Advance	0
30	Dr Premkumar PS	Basic	0
31	Dr.V.Geetha	Basic	0

Sr. No.	Name of the Faculty IA	Level of Training	No of I&E Expert Talks/Sessions Conducted
32	ALAGUMEENAAKSHI M	Advance	0
33	Karthikeyan.G	Basic	0
34	Umesh M V	Advance	0

#### 1.4) Participation in KAPILA/SIH Program

HEI Registered in the KAPILA Portal	C-36926	Yes
HEI Participated in the Smart India Hackathon (2022)	C-36926	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 Offer Department, Centre/ Unit
1	Social Media Marketing	U18ITT7001	2020-21	Core Course	Bachelor	Information Technology
2	Social Media Marketing	U18ITT7001	2021-22	Core Course	Bachelor	Information Technology
3	Introduction to Human Machine Interface	U18ECE0057	2021-22	Elective Course	Bachelor	ECE
4	Engineering Sprints	U18AI1607	2020-21	Core Course	Bachelor	Artificial Intelligence and Data Science

<b>Srno</b>	<b>Title of Course</b>	<b>Course Code</b>	<b>Academic Year</b>	<b>Type of Course</b>	<b>Level of Course</b>	<b>Course Offered Department, Centre/ Unit</b>
5	Innovation Sprints	U18AI2609	2020-21	Core Course	Bachelor	Artificial Intelligence and Data Science
6	Apparel Production Planning and Control	U18FTT6001	2020-21	Core Course	Bachelor	Fashion Technology
7	Design Sprints	U18AI3609	2021-22	Core Course	Bachelor	Artificial Intelligence and Data Science
8	Apparel Production Planning and Control	U18FTT6001	2021-22	Core Course	Bachelor	Fashion Technology
9	Engineering Sprints	U18AI1607	2021-22	Core Course	Bachelor	Artificial Intelligence and Data Science
10	Principles of Economics	U18AIT3008	2020-21	Core Course	Bachelor	Artificial Intelligence and Data Science
11	Finance for Engineers	U18AIT4006	2021-22	Core Course	Bachelor	Artificial Intelligence and Data Science
12	Remote sensing and Geographic information systems	U18CEI4203	2020-21	Core Course	,Bachelor	Civil Engineering
13	Remote sensing and Geographic information systems	U18CEI4203	2021-22	Core Course	,Bachelor	Civil Engineering
14	Apparel Merchandising and Cost Management	U18FTT6002	2020-21	Core Course	Bachelor	Fashion Technology
15	Textile and Apparel costing	U18TXP7002	2021-22	Core Course	Bachelor	Textile Technology

<b>Srno</b>	<b>Title of Course</b>	<b>Course Code</b>	<b>Academic Year</b>	<b>Type of Course</b>	<b>Level of Course</b>	<b>Course Offer Department, Centre/ Unit</b>
16	Textile Mill Management	U18TXT7003	2021-22	Core Course	,Bachelor	Textile Techn
17	Industrial Engineering for Textile and Appara Industry	U18TXE0016	2020-21	Elective Course	,Bachelor	Textile Techn
18	Engineering Clinic 1	U18INI1300	2020-21	Core Course	Bachelor	Mechatronics
19	Engineering Clinic II	U18INI2600	2020-21	Core Course	Bachelor	Mechatronics
20	Engineering Clinic III	U18INI3600	2020-21	Core Course	Bachelor	Mechatronics
21	Engineering Clinic IV	U18INI4600	2020-21	Core Course	Bachelor	Mechatronics
22	Engineering Clinic V	U18INI5600	2020-21	Core Course	Bachelor	Mechatronics
23	Engineering Clinic 1	U18INI1300	2021-22	Core Course	Bachelor	Mechatronics
24	Engineering Clinic II	U18INI2600	2021-22	Core Course	Bachelor	Mechatronics
25	Engineering Clinic III	U18INI3600	2021-22	Core Course	Bachelor	Mechatronics
26	Engineering Clinic IV	U18INI4600	2021-22	Core Course	Bachelor	Mechatronics

<b>Srno</b>	<b>Title of Course</b>	<b>Course Code</b>	<b>Academic Year</b>	<b>Type of Course</b>	<b>Level of Course</b>	<b>Course Offer Department, Centre/ Unit</b>
27	Engineering Clinic V	U18INI5600	2021-22	Core Course	Bachelor	Mechatronics
28	Engineering Clinic -I	U18INI1600	2020-21	Core Course	,Bachelor	Civil Engg
29	Engineering Clinic-II	U18INI2600	2020-21	Core Course	Bachelor	Civil Engg
30	Engineering Clinic-III	U18INI3600	2020-21	Core Course	Bachelor	Civil Engg
31	Engineering Clinic-IV	U18INI4600	2020-21	Core Course	Bachelor	Civil Engg
32	Engineering Clinic-V	U18INI5600	2020-21	Core Course	Bachelor	Civil Engg
33	Business Launch Pad	P17BAEPE07	2020-21	Elective Course	Master	MBA
34	Managing Innovation	P17BAEEE02	2020-21	Elective Course	,Master	MBA
35	Social Entrepreneurship Management	P17BAEEE05	2021-22	Elective Course	,Master	MBA
36	Social Entrepreneurship Management	P21MBB2425	2021-22	Elective Course	,Master	MBA
37	Mindsets and methods	P21MBM2109	2021-22	Core Course	,Master	MBA

<b>Srno</b>	<b>Title of Course</b>	<b>Course Code</b>	<b>Academic Year</b>	<b>Type of Course</b>	<b>Level of Course</b>	<b>Course Offer Department, Centre/ Unit</b>
38	Industry Internship Innovation Project	U18BTP4705	2020-21	Core Course	Bachelor	Biotechnolog
39	Industry Internship Innovation Project	U18BTP4705	2021-22	Core Course	,Bachelor	Biotechnolog
40	Engineering Clinic- IV	U18INI4600	2020-21	Core Course	Bachelor	Biotechnolog
41	Engineering Clinic - V	U18INI5600	2020-21	Core Course	Bachelor	Biotechnolog
42	Engineering Clinic - IV	U18INI4600	2021-22	Core Course	Bachelor	Biotechnolog
43	Engineering Clinic III	U18INI3600	2020-21	Core Course	Bachelor	Biotechnolog
44	Engineering Clinic - III	U18INI3600	2021-22	Core Course	Bachelor	Biotechnolog
45	Project Phase-I	U17BTP7705	2020-21	Core Course	Bachelor	Biotechnolog
46	Project Phase-I	U18BTP7705	2021-22	Core Course	Bachelor	Biotechnolog
47	Project Phase-II (12 credits)	U17BTP8701	2020-21	Core Course	Bachelor	Biotechnolog
48	Project Phase-II (12 credits)	U18BTP8701	2021-22	Core Course	Bachelor	Biotechnolog



<b>Srno</b>	<b>Title of Course</b>	<b>Course Code</b>	<b>Academic Year</b>	<b>Type of Course</b>	<b>Level of Course</b>	<b>Course Offer Department, Centre/ Unit</b>
49	Product Design and Development	P18INT0002	2020-21	Core Course	,Master	Biotechnolog
50	Product Design and Development	P18INT0002	2021-22	Core Course	Master	Biotechnolog
51	Project Phase -I Industry Project (10 credits)	P18BTP3701	2020-21	Core Course	Master	Biotechnolog
52	Project Phase -I Industry Project (10 credits)	P18BTP3701	2021-22	Core Course	Master	Biotechnolog
53	Project Phase -II Industry Project (20 credits)	P18BTP4701	2020-21	Core Course	Master	Biotechnolog
54	Project Phase -II Industry Project (20 credits)	P18BTP4701	2021-22	Core Course	Master	Biotechnolog
55	Engineerign clinic V	U18INI5600	2021-22	Core Course	Bachelor	Aeronautical Engineering
56	Engineering Economics and Financial Management	U18MBT7000	2021-22	Core Course	Bachelor	Electrical and Electronics Engineering Department
57	Intellectual Property Rights and Commercialization	U18EEO0005	2021-22	Elective Course	Bachelor	Electrical and Electronics Engineering
58	Engineering Economics and Financial Management	U18MBT7000	2020-21	Elective Course	Bachelor	Electrical and Electronics Engineering
59	Intellectual Property Rights and Commercialization	U18EEO0005	2020-21	Elective Course	Bachelor	Electrical and Electronics Engineering

<b>Srno</b>	<b>Title of Course</b>	<b>Course Code</b>	<b>Academic Year</b>	<b>Type of Course</b>	<b>Level of Course</b>	<b>Course Offered Department, Centre/ Unit</b>
60	ENTREPRENEURSHIP DEVELOPMENT	U18MET8001	2020-21	Core Course	Bachelor	MECHANICAL ENGINEERING
61	Surface Ornamentation	U18FTE0002	2020-21	Elective Course	Bachelor	Fashion Technology
62	Apparel Design and Development	U18FTI4203	2020-21	Core Course	Bachelor	Fashion Technology
63	Apparel Design and Development	U18FTI4203	2021-22	Core Course	Bachelor	Fashion Technology
64	Apparel Product Development	U18FTE0001	2020-21	Elective Course	Bachelor	Fashion Technology
65	Portfolio Presentation I	U18FTP6505	2020-21	Core Course	Bachelor	Fashion Technology
66	Portfolio Presentation I	U18FTP6505	2021-22	Core Course	Bachelor	Fashion Technology
67	Portfolio Presentation II	U18FTP7503	2020-21	Core Course	Bachelor	Fashion Technology
68	Portfolio Presentation II	U18FTP7503	2021-22	Core Course	Bachelor	fashion Technology
69	Fashion Marketing	U18FTE0013	2020-21	Elective Course	Bachelor	Fashion Technology
70	Fashion Marketing	U18FTE0013	2021-22	Elective Course	Bachelor	Fashion Technology

<b>Srno</b>	<b>Title of Course</b>	<b>Course Code</b>	<b>Academic Year</b>	<b>Type of Course</b>	<b>Level of Course</b>	<b>Course Offer Department, Centre/ Unit</b>
71	Apparel Export Management	U18FTE0017	2020-21	Elective Course	Bachelor	Fashion Techn
72	Apparel Export Management	U18FTE0017	2021-22	Elective Course	Bachelor	Fashion Techn
73	Entrepreneurship Development	U18FTE0018	2020-21	Elective Course	Bachelor	Fashion Techn
74	Entrepreneurship Development	U18FTE0018	2021-22	Elective Course	Bachelor	Fashion Techn
75	Financial and Business Analytics	U18ISE0014	2020-21	Elective Course	Bachelor	Information Science and Engineering
76	Innovation and Venture Fundamentals	P20IEVES101	2020-21	Core Course	Master	MBA-IEV
77	Applied design thinking	P20IEVES102	2020-21	Core Course	Master	MBA-IEV
78	Managerial Economics	P20IEVES103	2020-21	Core Course	,Master	MBA-IEV
79	Rapid Prototyping Fundamentals	P20IEVEN101	2020-21	Core Course	Master	MBA-IEV
80	Nascent Market Strategies	P20IEVEN102	2020-21	Core Course	,Master	MBA-IEV
81	Entrepreneurial Finance	P20IEVEN103	2020-21	Core Course	,Master	MBA-Innovat Entrepreneur and Venture Development

<b>Srno</b>	<b>Title of Course</b>	<b>Course Code</b>	<b>Academic Year</b>	<b>Type of Course</b>	<b>Level of Course</b>	<b>Course Offered Department, Centre/ Unit</b>
82	Rapid Prototyping Fundamentals	P20IEVEN101	2020-21	Core Course	,Master	MBA- Innovat Entrepreneur and Venture Development
83	Entrepreneurial Mindset and Method	P20IEVEN104	2020-21	Core Course	Master	MBA-Innovat Entrepreneur and Venture Development
84	Externship- I	P20IEVEP161	2020-21	Core Course	,Master	MBA-Innovat Entrepreneur and Venture Development
85	Managing Metrics and Milestones	P20IEVEP162	2020-21	Core Course	Master	MBA-Innovat Entrepreneur and Venture Development
86	Sales for founders	P20IEVEH171	2020-21	Elective Course	Master	MBA-Innovat Entrepreneur and Venture Development
87	Technology Labs	P20IEVEH151	2020-21	Elective Course	Master	MBA-Innovat Entrepreneur and Venture Development
88	Strategies for Founders	P20IEVES204	2020-21	Core Course	Master	MBA-Innovat Entrepreneur and Venture Development
89	Engaging Talent	P20IEVES205	2020-21	Core Course	,Master	MBA-Innovat Entrepreneur and Venture Development
90	Agile Product Development	P20IEVEN205	2020-21	Core Course	,Master	MBA-Innovat Entrepreneur and Venture Development

<b>Srno</b>	<b>Title of Course</b>	<b>Course Code</b>	<b>Academic Year</b>	<b>Type of Course</b>	<b>Level of Course</b>	<b>Course Offered Department, Centre/ Unit</b>
91	Technology Commercialisation	P20IEVEN206	2020-21	Core Course	Master	MBA-Innovat Entrepreneur and Venture Development
92	Externship - II	P20IEVEP263	2020-21	Core Course	,Master	MBA-Innovat Entrepreneur and Venture Development
93	Business and value ethics	P20IEVEH272	2020-21	Elective Course	Master	MBA-Innovat Entrepreneur and Venture Development
94	Industrial Digital Transformation	P20IEVEH373	2020-21	Elective Course	Master	MBA-Innovat Entrepreneur and Venture Development
95	Project Management	P20IEVEH374	2020-21	Elective Course	Master	MBA-Innovat Entrepreneur and Venture Development
96	General Management for Entrepreneurs	P20IEVES306	2021-22	Core Course	Master	MBA-Innovat Entrepreneur and Venture Development
97	Growth Strategies	P20IEVES307	2021-22	Core Course	Master	MBA-Innovat Entrepreneur and Venture Development
98	Managing Investments	P20IEVES308	2021-22	Core Course	Master	MBA-Innovat Entrepreneur and Venture Development
99	Building a Minimum Usable Prototype	P20IEVES309	2021-22	Elective Course		MBA-Innovat Entrepreneur and Venture Development

<b>Srno</b>	<b>Title of Course</b>	<b>Course Code</b>	<b>Academic Year</b>	<b>Type of Course</b>	<b>Level of Course</b>	<b>Course Offered Department, Centre/ Unit</b>
100	Company Affairs and Laws	P20IEVES310	2021-22	Elective Course		MBA-Innovat Entrepreneur and Venture Development
101	Strategy and Tactics for Pricing	P20IEVES311	2021-22	Elective Course	Master	MBA-Innovat Entrepreneur and Venture Development
102	Lean Manufacturing	P20IEVES312	2021-22	Elective Course	Master	MBA-Innovat Entrepreneur and Venture Development
103	Introduction to Business Analytics	P20IEVENE308	2021-22	Elective Course	Master	MBA-Innovat Entrepreneur and Venture Development
104	Digital Marketing	P20IEVENE303	2021-22	Elective Course	Master	MBA-Innovat Entrepreneur and Venture Development
105	Leadership Team building and adventure camp	P20IEH0403	2021-22	Elective Course	Master	MBA-Innovat Entrepreneur and Venture Development
106	New Enterprise Creation	P20IEVEX462	2021-22	Elective Course	Master	MBA-Innovat Entrepreneur and Venture Development
107	Innovation and Venture Fundamentals	P20IES1200	2021-22	Core Course	Master	MBA-Innovat Entrepreneur and Venture Development
108	Applied Design Thinking	P20IES1201	2021-22	Core Course	Master	MBA-Innovat Entrepreneur and Venture Development

<b>Srno</b>	<b>Title of Course</b>	<b>Course Code</b>	<b>Academic Year</b>	<b>Type of Course</b>	<b>Level of Course</b>	<b>Course Offered Department, Centre/ Unit</b>
109	Entrepreneurial Finance	P20IES1102	2021-22	Core Course	Master	MBA-Innovat Entrepreneur and Venture Development
110	Managerial Economics	P20IES1103	2021-22	Core Course	Master	MBA-Innovat Entrepreneur and Venture Development
111	Data Analysis	P20IES1304	2021-22	Core Course	Master	MBA-Innovat Entrepreneur and Venture Development
112	Entrepreneurial Mindset and Methods	P20IEN0104	2021-22	Elective Course	Master	MBA-Innovat Entrepreneur and Venture Development
113	Design Fundamentals and Rapid Prototyping techniques	P20IEN0102	2021-22	Elective Course	Master	MBA-Innovat Entrepreneur and Venture Development
114	Strategic Business Writing	P20IEH0400	2021-22	Elective Course	Master	MBA-Innovat Entrepreneur and Venture Development
115	Externship -I	P20IEP1601	2020-21	Core Course		MBA-Innovat Entrepreneur and Venture Development
116	Execution- Milestone 1	P20IEP1501	2021-22	Core Course	,Master	MBA-Innovat Entrepreneur and Venture Development
117	Product Marketing Fundamentals	P20IES2205	2021-22	Core Course	Master	MBA-Innovat Entrepreneur and Venture Development

<b>Srno</b>	<b>Title of Course</b>	<b>Course Code</b>	<b>Academic Year</b>	<b>Type of Course</b>	<b>Level of Course</b>	<b>Course Offered Department, Centre/ Unit</b>
118	Company Affairs and Laws	P20IES2106	2021-22	Core Course	,Master	MBA-Innovat Entrepreneur and Venture Development
119	Engaging Talent	P20IES2207	2021-22	Core Course	Master	MBA-Innovat Entrepreneur and Venture Development
120	Strategy for Founders	P20IES2108	2021-22	Core Course	Master	MBA-Innovat Entrepreneur and Venture Development
121	Entrepreneurial Leadership	P20IES2209	2021-22	Core Course	Master	MBA-Innovat Entrepreneur and Venture Development
122	Designing and Managing Business Processes	P20IES2110	2021-22	Core Course	Master	MBA-Innovat Entrepreneur and Venture Development
123	Lean Manufacturing	P20IEN0107	2021-22	Elective Course	Master	MBA-Innovat Entrepreneur and Venture Development
124	Data Lifecycle Management	P20IEN0405	2021-22	Elective Course	Master	MBA-Innovat Entrepreneur and Venture Development
125	Externship -II	P20IEP2602	2021-22	Core Course	Master	MBA-Innovat Entrepreneur and Venture Development
126	Execution- Milestone 2	P20IEP2502	2021-22	Core Course	Master	MBA-Innovat Entrepreneur and Venture Development



<b>Srno</b>	<b>Title of Course</b>	<b>Course Code</b>	<b>Academic Year</b>	<b>Type of Course</b>	<b>Level of Course</b>	<b>Course Offered Department, Centre/ Unit</b>
127	Engineering Clinic I	U18INI1600	2021-22	Core Course	Bachelor	Textile Techn
128	Engineering Clinic II	U18INI2600	2021-22	Core Course	Bachelor	Textile Techn
129	Engineering Clinic III	U18INI3600	2021-22	Core Course	Bachelor	Textile Techn
130	Engineering Clinic IV	U18INI4600	2021-22	Core Course	,Bachelor	Textile Techn
131	Engineering Clinic V	U18INI5600	2021-22	Core Course	Bachelor	Textile Techn
132	Engineering Clinic II	U18INI2600	2020-21	Core Course	Bachelor	Electrical and Electronics Engineering
133	Engineering Clinic III	U18INI3600	2020-21	Core Course	Bachelor	Electrical and Electronics Engineering
134	Engineering Clinic I	U18INI1600	2020-21	Core Course	Bachelor	Textile Techn
135	Engineering Clinic II	U18INI2600	2020-21	Core Course	,Bachelor	Textile Techn
136	Engineering Clinic IV	U18INI4600	2020-21	Core Course	Bachelor	Electrical and Electronics Engineering
137	Engineering Clinic III	U18INI3600	2020-21	Core Course	,Bachelor	Textile Techn

<b>Srno</b>	<b>Title of Course</b>	<b>Course Code</b>	<b>Academic Year</b>	<b>Type of Course</b>	<b>Level of Course</b>	<b>Course Offered Department, Centre/ Unit</b>
138	Engineering Clinic IV	U18INI4600	2020-21	Core Course	,Bachelor	Textile Techn
139	Engineering Clinic V	U18INI5600	2020-21	Core Course	,Bachelor	Textile Techn
140	Engineering Clinic V	U18INI5600	2020-21	Core Course	Bachelor	Electrical and Electronics Engineering
141	Engineering Clinic II	U18INI2600	2021-22	Core Course	Bachelor	Electrical and Electronics Engineering
142	Engineering Clinic III	U18INI3600	2021-22	Core Course	Bachelor	Electrical and Electronics Engineering
143	Engineering Clinic IV	U18INI4600	2021-22	Elective Course	Bachelor	Electrical and Electronics Engineering
144	Engineering Clinic V	U18INI5600	2021-22	Core Course	Bachelor	Electrical and Electronics Engineering
145	Engineering Clinic IV	U18INI4600	2020-21	Core Course	Bachelor	Computer Sci and Engineer
146	Engineering Clinic-V	U18INI5600L/P	2021-22	Core Course	Bachelor	ECE
147	Engineering Clinic-V	U18INI5600L/P	2021-22	Core Course	Bachelor	Electronics ar Communicati Engineering
148	Engineering Clinic II	U18INI2600	2020-21	Core Course	,Bachelor	Computer Sci and Engineer

<b>Srno</b>	<b>Title of Course</b>	<b>Course Code</b>	<b>Academic Year</b>	<b>Type of Course</b>	<b>Level of Course</b>	<b>Course Offer Department, Centre/ Unit</b>
149	Engineering Clinic III	U18INI3600	2020-21	Core Course	,Bachelor	Computer Sci and Engineer
150	Engineering Clinic I	U18INI1600	2020-21	Core Course	,Bachelor	Computer Sci and Engineer
151	Engineering Clinic V	U18INI5600	2020-21	Core Course	Bachelor	Computer Sci and Engineer
152	Engineering Clinic IV	U18INI4600	2021-22	Core Course	Bachelor	Computer Sci and Engineer
153	Engineering Clinic II	U18INI2600	2021-22	Core Course	Bachelor	Computer Sci and Engineer
154	Engineering Clinic III	U18INI3600	2021-22	Core Course	Bachelor	Computer Sci and Engineer
155	Engineering Clinic I	U18INI1600	2021-22	Core Course	Bachelor	Computer Sci and Engineer
156	Engineering Clinic V	U18INI5600	2021-22	Core Course	Bachelor	Computer Sci and Engineer
157	Engineering Clinic III	U18INI3600	2020-21	Core Course	Bachelor	Information Technology
158	Engineering Clinic III	U18INI3600	2021-22	Core Course	,Bachelor	Information Technology
159	Engineering Clinic IV	U18INI4600	2020-21	Core Course	Bachelor	Information Technology

<b>Srno</b>	<b>Title of Course</b>	<b>Course Code</b>	<b>Academic Year</b>	<b>Type of Course</b>	<b>Level of Course</b>	<b>Course Offered Department, Centre/ Unit</b>
160	Engineering Clinic- IV	U18INI4600	2021-22	Core Course	,Bachelor	Information Technology
161	Engineering Clinic V	U18INI5600	2020-21	Core Course	Bachelor	Information Technology
162	Project Phase-I	U17ITP7704	2020-21	Core Course	,Bachelor	Information Technology
163	Project Phase I	U18ITP7704	2021-22	Core Course	,Bachelor	Information Technology
164	Project Phase-II( 12 credits)	U18ITP8701	2021-22	Core Course	,Bachelor	Information Technology
165	Project Phase-II (12 credits)	U18ITP8701	2020-21	Core Course	,Bachelor	Information Technology
166	Project Phase I Industry Project	P18ITP3701	2020-21	Core Course	,Master	Information Technology
167	Project Phase I Industry Project	P18ITP3701	2021-22	Core Course	,Master	Information Technology
168	Project Phase II Industry Project	P18ITP4701	2021-22	Core Course	,Master	Information Technology
169	Engineering Clinic - III	U18INI3600	2020-21	Core Course	Bachelor	Mechanical Engineering
170	Engineering Clinic - III	U18INI3600	2021-22	Core Course	Bachelor	Mechanical Engineering

<b>Srno</b>	<b>Title of Course</b>	<b>Course Code</b>	<b>Academic Year</b>	<b>Type of Course</b>	<b>Level of Course</b>	<b>Course Offered Department, Centre/ Unit</b>
171	Engineering Clinic - IV	U18INI4600	2020-21	Core Course	Bachelor	Mechanical Engineering
172	Engineering Clinic -V	U18INI5600	2020-21	Core Course	Bachelor	Mechanical Engineering
173	Engineering Clinic -V	U18INI5600	2021-22	Core Course	Bachelor	Mechanical Engineering
174	Engineering clinic-III	U18 INI4600	2020-21	Core Course	Bachelor	ECE
175	Engineering Clinic-V	U18INI5600L	2020-21	Core Course	,Bachelor	ECE
176	Engineering Clinic-III	U18INI3600L/P	2020-21	Core Course	Bachelor	ECE- FORGE
177	Engineering Clinic-V	U18INI5600L/P	2020-21	Core Course	Bachelor	ECE
178	Engineering Clinic 1	U18INI1600	2020-21	Core Course	Bachelor	Aeronautical engineering
179	Engineering Clinic 2	U18INI2600	2020-21	Core Course	Bachelor	Aeronautical engineering
180	Engineering Clinic 3	U18INI3600	2020-21	Core Course	Bachelor	Aeronautical engineering
181	Engineering Clinic 4	U18INI4600	2020-21	Core Course	Bachelor	Aeronautical engineering

<b>Srno</b>	<b>Title of Course</b>	<b>Course Code</b>	<b>Academic Year</b>	<b>Type of Course</b>	<b>Level of Course</b>	<b>Course Offer Department, Centre/ Unit</b>
182	Engineering Clinic 1	U18INI1600	2021-22	Core Course	Bachelor	Aeronautical Engineering
183	Engineering Clinic 2	U18INI2600	2021-22	Core Course	Bachelor	Aeronautical engineering
184	Engineering Clinic 3	U18INI3600	2021-22	Core Course	Bachelor	Aeronautical engineering
185	Engineering Clinic 4	U18INI4600	2021-22	Core Course	Bachelor	Aeronautical engineering
186	Engineering Clinic 5	U18INI5600	2020-21	Core Course	Bachelor	Aeronautical engineering
187	Engineering Clinic-II	U18INI2600L	2021-22	Core Course	Bachelor	ECE
188	ENGINEERING CLINIC-III	U18INI3600	2020-21	Elective Course	Bachelor	ELECTRONIC: INSTRUMENT
189	ENGINEERING CLINIC - IV	UINI4600	2020-21	Elective Course	Bachelor	ELECTRONIC: INSTRUMENT
190	ENGINEERING CLINIC - V	U8INI5600	2020-21	Elective Course	Bachelor	ELECTRONIC: INSTRUMENT
191	ENGINEERING CLINIC - III	U18INI3600	2021-22	Core Course	Bachelor	ELECTRONIC: INSTRUMENT
192	ENGINEERING CLINIC - IV	U18INI4600	2021-22	Core Course	Bachelor	ELECTRONIC: INSTRUMENT

<b>Srno</b>	<b>Title of Course</b>	<b>Course Code</b>	<b>Academic Year</b>	<b>Type of Course</b>	<b>Level of Course</b>	<b>Course Offered Department, Centre/ Unit</b>
193	ENGINEERING CLINIC - V	U18INI5600	2021-22	Core Course	Bachelor	ELECTRONIC: INSTRUMENT
194	Engineering Clinic 1	U18INI1300	2020-21	Core Course	Bachelor	Electrical and Electronics Engineering
195	Engineering Clinic 1	U18INI1300	2021-22	Core Course	Bachelor	Electrical and Electronics Engineering
196	Engineering clinic - I	U18INI1600	2020-21	Elective Course	Bachelor	ELECTRONIC: INSTRUMENT
197	ENGINEERING CLINIC - II	U18INI2600	2020-21	Core Course	Bachelor	ELECTRONIC: INSTRUMENT
198	ENGINEERING CLINIC - I	U18INI1600	2021-22	Elective Course	Bachelor	ELECTRONIC: INSTRUMENT
199	Engineering Clinic I	U18INI1600	2020-21	Core Course	Bachelor	Information Science and Engineering
200	Engineering Clinic - II	U18INI2600	2020-21	Core Course	Bachelor	Information Science and Engineering
201	Engineering Clinic III	U18INI3600	2020-21	Core Course	Bachelor	Information Science and Engineering
202	Engineering Clinic IV	U18INI4600	2020-21	Core Course	Bachelor	Information Science and Engineering
203	Engineering Clinic V	U18INI5600	2020-21	Core Course	Bachelor	Information Science and Engineering

<b>Srno</b>	<b>Title of Course</b>	<b>Course Code</b>	<b>Academic Year</b>	<b>Type of Course</b>	<b>Level of Course</b>	<b>Course Offered Department, Centre/ Unit</b>
204	Engineering Clinic I	U18INI1600	2021-22	Core Course	Bachelor	Information Science and Engineering
205	Engineering Clinic III	U18INI3600	2021-22	Core Course	Bachelor	Information Science and Engineering
206	Coding for Innovators	U18ISPS25	2020-21	Elective Course	Bachelor	Forge
207	Prototyping Fundamentals	U18ISPS25	2020-21	Elective Course	Bachelor	Forge
208	Applied Design Thinking	U18ISPS11	2020-21	Elective Course	Bachelor	Forge
209	Start-up Fundamentals	U18ISPS17	2020-21	Elective Course	Bachelor	Forge
210	Startup fundamentals	U18CSPS17	2021-22	Elective Course	Bachelor	Forge
211	Coding for innovators	U18CSPS24	2021-22	Elective Course	,Bachelor	Forge
212	Applied Design Thinking	U18CSPS11	2021-22	Elective Course	Bachelor	Forge
213	Applied Design Thinking	U18CSPS11	2020-21	Elective Course	Bachelor	Forge
214	Industrial Design and Product Development	U18CSPS16	2020-21	Elective Course	Bachelor	Forge



<b>Srno</b>	<b>Title of Course</b>	<b>Course Code</b>	<b>Academic Year</b>	<b>Type of Course</b>	<b>Level of Course</b>	<b>Course Offered Department, Centre/ Unit</b>
215	Startup Fundamentals	U18CSPS17	2020-21	Elective Course	Bachelor	Forge
216	Engineerign clinic V	U18INI5600	2021-22	Core Course	Bachelor	Automobile Engineering
217	IPR Fundamentals and Patent Drafting	U18CSPS18	2020-21	Elective Course	Bachelor	Forge
218	Coding for Innovators	U18CSPS24	2020-21	Elective Course	Bachelor	Forge
219	Startup Fundamentals	U18CSPS17	2020-21	Elective Course	Bachelor	Forge
220	Applied Design Thinking	U18CSPS11	2020-21	Elective Course	Bachelor	Forge
221	Startup Fundamentals	U18CSPS17	2021-22	Elective Course	Bachelor	Forge
222	Engineering Clinic I	U18INI1300	2021-22	Core Course	Bachelor	Automobile Engineering
223	Coding for Innovators	U18CSPS24	2021-22	Elective Course	Bachelor	Forge
224	Applied Design Thinking	U18CSPS11	2021-22	Elective Course	Bachelor	Forge
225	Engineering Clinic III	U18INI3600	2021-22	Core Course	Bachelor	Automobile Engineering

<b>Srno</b>	<b>Title of Course</b>	<b>Course Code</b>	<b>Academic Year</b>	<b>Type of Course</b>	<b>Level of Course</b>	<b>Course Offer Department, Centre/ Unit</b>
226	MUP Development ( 8 credits)	U18ITPS30	2020-21	Elective Course	Bachelor	Forge
227	MUP Development( 8 credits)	U18ITPS31	2021-22	Elective Course	,Bachelor	forge
228	Startup Fundamentals	U18ITPS17	2020-21	Elective Course	,Bachelor	Forge
229	Engineering Clinic I	U18INI1600	2020-21	Core Course	Bachelor	Automobile Engineering
230	Engineering clinic II	U18INI2600	2020-21	Core Course	Bachelor	Automobile Engineering
231	Startup Fundamentals	U18ITPS17	2021-22	Elective Course	Bachelor	Forge
232	Coding for Innovators	U18ITPS24	2020-21	Elective Course	,Bachelor	Forge
233	Coding for Innovators	U18ITPS24	2021-22	Elective Course	,Bachelor	Forge
234	Computational Hardware	U18TXPS23	2021-22	Elective Course	Bachelor	forge
235	Applied Design Thinking	U18TXPS11	2021-22	Elective Course	,Bachelor	forge
236	Prototyping Development	U18TXPS25	2021-22	Elective Course	,Bachelor	forge

<b>Srno</b>	<b>Title of Course</b>	<b>Course Code</b>	<b>Academic Year</b>	<b>Type of Course</b>	<b>Level of Course</b>	<b>Course Offered Department, Centre/ Unit</b>
237	Coding for Innovators	U18TXPS24	2021-22	Elective Course	,Bachelor	forge
238	Startup Fundamentals	U18TXPS17	2021-22	Elective Course	,Bachelor	forge
239	AuSys - Data Life Cycle Management	U18TXPS29	2021-22	Elective Course	,Bachelor	forge
240	AuSys -ML	U18TXPS28	2021-22	Elective Course	Bachelor	forge
241	MUP Development	U18TXPS30	2021-22	Elective Course	Bachelor	forge
242	Applied Design Thinking	U18AUPS11	2021-22	Elective Course	,Bachelor	Forge
243	Computational Hardware	U18TXPS23	2020-21	Elective Course	Bachelor	forge
244	Applied Design Thinking	U18TXPS11	2020-21	Elective Course	Bachelor	forge
245	Coding for Innovators	U18TXPS24	2020-21	Elective Course	Bachelor	forge
246	Prototyping development	U18AUPS25	2021-22	Elective Course	Bachelor	Forge
247	Prototyping Development	U18TXPS25	2020-21	Elective Course	Bachelor	forge

<b>Srno</b>	<b>Title of Course</b>	<b>Course Code</b>	<b>Academic Year</b>	<b>Type of Course</b>	<b>Level of Course</b>	<b>Course Offered Department, Centre/ Unit</b>
248	Applied Design Thinking	U18ECPS11	2021-22	Core Course	Bachelor	FORGE
249	Startup Fundamentals	U18ECPS17	2021-22	Core Course	,Bachelor	FORGE
250	Coding for Innovators	U18ECPS24	2021-22	Core Course	,Bachelor	FORGE
251	Prototyping Development	U18ECPS25	2021-22	Core Course	,Bachelor	FORGE
252	Applied Design Thinking	U18ECPS11	2020-21	Core Course	,Bachelor	FORGE
253	Coding for innovators	U18AUPS24	2021-22	Elective Course	,Bachelor	Forge
254	Startup Fundamentals	U18ECPS17	2020-21	Core Course	,Bachelor	FORGE
255	Coding for Innovators	U18ECPS24	2020-21	Core Course	,Bachelor	FORGE
256	Industrial design and Product Development	U18ECPS16	2020-21	Core Course	,Bachelor	FORGE
257	Start-up Fundamentals	U18AUPS17	2021-22	Elective Course	Bachelor	Forge
258	Prototyping Fundamentals	U18AUPS23	2020-21	Elective Course	,Bachelor	FORGE

<b>Srno</b>	<b>Title of Course</b>	<b>Course Code</b>	<b>Academic Year</b>	<b>Type of Course</b>	<b>Level of Course</b>	<b>Course Offer Department, Centre/ Unit</b>
259	Coding for innovators	U18AUPS25	2020-21	Elective Course	,Bachelor	Forge
260	Coding for innovators	U18MEPS24	2021-22	Elective Course	Bachelor	FORGE
261	IoT - Robotics	U18MEPS27	2021-22	Elective Course	Bachelor	FORGE
262	Startup fundamentals	U18MEPS17	2021-22	Elective Course	Bachelor	FORGE
263	Computational hardware	U18MEPS23	2021-22	Elective Course	Bachelor	FORGE
264	IoT - Industrial Automation	U18MEPS26	2021-22	Elective Course	Bachelor	FORGE
265	Applied Design Thinking	U18MEPS11	2021-22	Elective Course	Bachelor	FORGE
266	Prototype Development	U18ITPS25	2021-22	Elective Course	Bachelor	FORGE
267	Applied Design Thinking	U18METS11	2020-21	Elective Course	Bachelor	FORGE
268	Prototyping Development	U18MEPS25	2020-21	Elective Course	Bachelor	FORGE
269	IDT- Industrial Automation	U18MEPS26	2020-21	Elective Course	Bachelor	FORGE

<b>Srno</b>	<b>Title of Course</b>	<b>Course Code</b>	<b>Academic Year</b>	<b>Type of Course</b>	<b>Level of Course</b>	<b>Course Offered Department, Centre/ Unit</b>
270	Computational Hardware	U18MEPS23	2020-21	Elective Course	Bachelor	FORGE
271	Startup Fundamentals	U18MEPS17	2020-21	Elective Course	Bachelor	FORGE
272	Coding for Innovators	U18MEPS24	2020-21	Elective Course	Bachelor	FORGE
273	IDT- Robotics	U18MEPS27	2020-21	Elective Course	Bachelor	FORGE
274	MUP Development	U18MCPS30	2020-21	Core Course	Bachelor	FORGE
275	Coding for Innovators	U18ISPS24	2020-21	Elective Course	Bachelor	Forge
276	Prototyping Fundamentals	U18ISPS25	2020-21	Elective Course	Bachelor	Forge
277	Applied Design Thining	U18ISPS11	2020-21	Elective Course	Bachelor	Forge
278	Startup Fundamentals	U18ISPS17	2020-21	Elective Course	Bachelor	Forge
279	Project phase I	U18CSP7703	2021-22	Core Course	Bachelor	CSE
280	Project phase II ( Total credits - 12 credits )	U18CSP8701	2021-22	Core Course	Bachelor	CSE

<b>Srno</b>	<b>Title of Course</b>	<b>Course Code</b>	<b>Academic Year</b>	<b>Type of Course</b>	<b>Level of Course</b>	<b>Course Offered Department, Centre/ Unit</b>
281	Project phase I	U18CSP7703	2020-21	Core Course	Bachelor	CSE
282	Project Phase II ( 12 Credits )	U18CSP8701	2020-21	Core Course	Bachelor	CSE
283	Project Phase I	U17EEP7702	2020-21	Core Course	Bachelor	Electrical and Electronics Engineering
284	U18EEP7702	U18EEP7702	2021-22	Core Course	Bachelor	Electrical and Electronics Engineering
285	U17EEP8701	Project Phase II (12 Credit)	2020-21	Core Course	Bachelor	Electrical and Electronics Engineering
286	Project Phase-II (12 credits)	U18EEP7702	2021-22	Core Course	Bachelor	Electrical and Electronics Engineering
287	Product Design and Development	P18INT0002	2020-21	Core Course	Master	Electrical and Electronics Engineering
288	Product Design and Development	P18INT0002	2021-22	Core Course	Master	Electrical and Electronics Engineering
289	PROJECT WORK- Phase I (15 Credits)	P18ESP3001	2020-21	Core Course	Master	Electrical and Electronics Engineering
290	PROJECT WORK- Phase II (15 Credit)	P18ESP4701	2021-22	Core Course	Master	Electrical and Electronics Engineering
291	Project Phase I	U18MEP7703	2021-22	Core Course	Bachelor	MECHANICAL ENGINEERING

<b>Srno</b>	<b>Title of Course</b>	<b>Course Code</b>	<b>Academic Year</b>	<b>Type of Course</b>	<b>Level of Course</b>	<b>Course Offer Department, Centre/ Unit</b>
292	Project Phase II - 12	U18MEP8702	2021-22	Core Course	Bachelor	MECHANICAL ENGINEERING
293	PROJECT PHASE -I	U18ECP7701	2021-22	Core Course	Bachelor	ECE
294	PROJECT PHASE-II(12 CREDIT)	U18ECP8701	2021-22	Core Course	,Bachelor	ECE
295	PROJECT PHASE-I	U17ECP7701	2020-21	Core Course	Bachelor	ECE
296	PROJECT PHASE-II(12 CREDIT)	U17ECP8701	2020-21	Core Course	Bachelor	ECE
297	Project Work Phase I	U18AEP7705	2020-21	Core Course	Bachelor	Aeronautical
298	Project Work Phase II (12 credits)	U18AEP8701	2020-21	Core Course	Bachelor	Aeronautical
299	Project Work Phase I	U18AEP7705	2021-22	Core Course	Bachelor	Aeronautical
300	Project Work Phase II (12 credits)	U18AEP8701	2021-22	Core Course	,Bachelor	Aeronautical
301	Project -Phase I	U18FTP7701	2020-21	Core Course	Bachelor	Fashion Techn
302	Project -Phase I	U18FTP7701	2021-22	Core Course	Bachelor	Fashion Techn



<b>Srno</b>	<b>Title of Course</b>	<b>Course Code</b>	<b>Academic Year</b>	<b>Type of Course</b>	<b>Level of Course</b>	<b>Course Offered Department, Centre/ Unit</b>
303	Project-Phase II	U18FTP8701	2020-21	Core Course	Bachelor	Fashion Techn
304	Project-Phase II	U18FTP8701	2021-22	Core Course	Bachelor	Fashion Techn
305	ENGINEERING CLINIC I	U18INI1600	2020-21	Core Course	Bachelor	Fashion Techn
306	ENGINEERING CLINIC II	U18INI2600	2020-21	Core Course	Bachelor	Fashion Techn
307	ENGINEERING CLINIC III	U18INI3600	2020-21	Core Course	Bachelor	Fashion Techn
308	ENGINEERING CLINIC IV	U18INI4600	2020-21	Core Course	Bachelor	Fashion Techn
309	ENGINEERING CLINIC V	U18INI5600	2020-21	Core Course	Bachelor	Fashion Techn
310	ENGINEERING CLINIC I	U18INI1600	2021-22	Core Course	Bachelor	Fashion Techn
311	ENGINEERING CLINIC II	U18INI2600	2021-22	Core Course	Bachelor	Fashion Techn
312	ENGINEERING CLINIC III	U18INI3600	2021-22	Core Course	Bachelor	Fashion Techn
313	ENGINEERING CLINIC IV	U18INI4600	2021-22	Core Course	Bachelor	Fashion Techn

<b>Srno</b>	<b>Title of Course</b>	<b>Course Code</b>	<b>Academic Year</b>	<b>Type of Course</b>	<b>Level of Course</b>	<b>Course Offer Department, Centre/ Unit</b>
314	ENGINEERING CLINIC V	U18INI5600	2021-22	Core Course	Bachelor	Fashion Techn
315	Project Phase - I	U18ISP7703	2021-22	Core Course	Bachelor	Information Science and Engineering
316	Project Phase - II (12 credits)	U18ISP8701	2021-22	Core Course	Bachelor	Information Science and Engineering
317	Design Project	U18EIP7703	2020-21	Core Course	Bachelor	ELECTRONICS: INSTRUMENT
318	Design Project	U17EIP7703	2020-21	Core Course	Bachelor	Electronics ar Instrumentat
319	Capstone Project	U17EIP8701	2020-21	Core Course	,Bachelor	Electronics ar Instrumentat
320	Design Project	U18EIP7703	2021-22	Core Course	,Bachelor	Electronics ar instrumentat
321	Capstone Project	U18EIP8701	2021-22	Core Course	,Bachelor	Electronics ar Instrumentat

## 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
1	Application Development using Full Stack	2020-21	Short-term Certificate Program	Self Sponsored/Supported	Information Technology
2	FDP on Quantum Computing	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	Information Technology
3	AICTE- ISTE Refresher course on Intelligent Decision Support Systems using Machine Learning Techniques	2021-22	Faculty Development Program (FDP)	Central Govt. Agency	ECE
4	APPLICATION DEVELOPMENT USING ANGULAR AND SPRINGBOOT	2021-22	Short-term Certificate Program	Self Sponsored/Supported	MCA
5	Artificial Intelligence and Machine Learning	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	MCA
6	Data Lifecycle Management	2021-22	Short-term Certificate Program	Self Sponsored/Supported	MBA-Innovation Entrepreneurship and Venture Development
7	Mobile Application Development	2020-21	Short-term Certificate Program	Self Sponsored/Supported	Information Science and Engineering

<b>Srno</b>	<b>Title of Course</b>	<b>Academic Year</b>	<b>Type of Certificate Program</b>	<b>Certificate Program/MDP/FDP/EDP Sponsored/Supported by</b>	<b>Certificate Program Offering Department/ Centre/ Unit Name</b>
8	Experiencing Emerging Technologies	2020-21	Short-term Certificate Program	Self Sponsored/Supported	Information Science and Engineering
9	Big Data Analytics with Hadoop and Spark	2021-22	Short-term Certificate Program	Self Sponsored/Supported	Information Science and Engineering
10	Explore	2020-21	Short-term Certificate Program	Self Sponsored/Supported	Research Cell
11	8 day workshop on Electric scooter design and Manufacturing	2021-22	Short-term Certificate Program	Self Sponsored/Supported	KCT Garage
12	Basics of Automotive and Mechanical Systems	2020-21	Short-term Certificate Program	Self Sponsored/Supported	KCT Garage

### **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) ( $\geq$  600 Sq. Ft. Floor Area)**

Sr. No.	Type of the Unit	Name of Unit	In-charge Name	Contact no	Email
1	Innovation Cell	FORGE-Coimbatore Innovation & Business Incubator	VASANTHARAJ C	9442259933	vasantharaj.c@kct.ac.in
2	Innovation Cell	RE-Research Explore	Brathikan VM	9488006888	brathikan.vm.admin@kct.ac
3	Innovation Cell	iQube-	NIROSH KUMAR H	9150731231	nirosh@kct.ac.in

Sr. No.	Type of the Unit	Name of Unit	In-charge Name	Contact no	Email
4	Tinkering Lab	Garage	KIRANLAL S	9048851600	kiranlal.s@kct.ac.in
5	Innovation Cell	KCAIR- Kumaraguru centre for AI and Robotics	PASUPATHY S A	8098141600	pasupathy.sa.mce@kct.ac.in
6	Innovation Cell	Artificial Intelligence/ Virtual Reality Laboratory	DEVAKI P	8056461871	devaki.p.cse@kct.ac.in

<b>Sr. No.</b>	<b>Type of the Unit</b>	<b>Name of Unit</b>	<b>In-charge Name</b>	<b>Contact no</b>	<b>Email</b>
7	Innovation Cell	Thick India Innovation Center	MALARVIZHI K	9865852223	malarvizhi.k.eee@kct.ac.in
8	Innovation Cell	KCT - FLUKE Centre of Excellence in Calibration (Electro-technical, Thermal and Pressure)	MAYURAPPRIYAN P S	9443092355	mayurappriyan.ps.eie@kct.ac.in
9	Innovation Cell	Yokogawa Centre of Excellence in DCS	MAYURAPPRIYAN P S	9443092355	mayurappriyan.ps.eie@kct.ac.in

<b>Sr. No.</b>	<b>Type of the Unit</b>	<b>Name of Unit</b>	<b>In-charge Name</b>	<b>Contact no</b>	<b>Email</b>
10	Innovation Cell	Garment Constitution	Ramakrishnan G	9842313921	ramakrishnan.g.ft@kct.ac.ir
11	Innovation Cell	NATURAL FIBRE RESEARCH CENTRE	Ramakrishnan G	9842313921	ramakrishnan.g.ft@kct.ac.ir
12	Innovation Cell	Apparel Quality evaluation	Ramakrishnan G	9842313921	ramakrishnan.g.ft@kct.ac.ir



Sr. No.	Type of the Unit	Name of Unit	In-charge Name	Contact no	Email
13	Innovation Cell	Fashion Technology Research Centre	Ramakrishnan G	9842313921	ramakrishnan.g.ft@kct.ac.ir

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

Sr. No.	Name of Unit	In-charge Name	Contact no	Email	Govt. S
1	Coimbatore Innovation & Business Incubator[Forge]	Vishwanath Sahasranamam	9003977441	vishwanath@forgeforward.in	DST/NS Central



### 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. S
1	IPR Cell	KCT IPR CELL	Dr.K.Paramasivam	9942989881	paramasivam.k.ece@kct.ac.in	Mentor Grant S Incubat Support Prototy Busines Develop Facility (Innova Model t Market Growth Stage),l 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/Innovation Name
1	Hi tech mask	Academic Requirement/Study Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	Sabitha

<b>Sr. No.</b>	<b>Innovation Name</b>	<b>Developed as part of</b>	<b>FY of Development (FY. 2020-21,2021-22)</b>	<b>TRL Stage</b>	<b>Team Lead/Innovation Name</b>
2	INTELLIGENT CAPTURING OF VIOLATING VEHICLE DETAILS AND ASSISTING FOR AMBULANCE	Academic Requirement/Study Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	Dr.PARAMAK
3	Intra-Campus Mobility Vehicle - RiG	Independent Assignment/Non-academic Study Project	2021-22	TRL 9 : Full commercial application, technology available for consumers	Kiranlal
4	Team Sea Sakthi - Monaco Energy Boat Challenge	Independent Assignment/Non-academic Study Project	2021-22	TRL 5 : Large scale prototype tested in intended environment	Kiranlal
5	DESIGN AND DEVELOPMENT OF SUSTAINABLE JAMAKKALAM USING ORGANIC COTTON BLENDED WITH UNCONVENTIONAL NATURAL FIBRE AND REGENERATED FIBRE	Academic Requirement/Study Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	G RAMAKR
6	DEVELOPMENT OF SUBSTRATE MATERIAL FROM KAPOK/ HEMP WITH COTTON FIBER BLENDS FOR ARTIFICIAL LEATHER	Academic Research Assignment/Industry Sponsored Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	Dr.G.Raj kumar

<b>Sr. No.</b>	<b>Innovation Name</b>	<b>Developed as part of</b>	<b>FY of Development (FY. 2020-21,2021-22)</b>	<b>TRL Stage</b>	<b>Team Lead/Innovation Name</b>
7	SMART DOOR LOCKING SYSTEM	Academic Requirement/Study Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	Aswini D
8	BIODEGRADABLE MASK USING SOYABEAN FABRIC	Academic Requirement/Study Project	2021-22	TRL 9 : Full commercial application, technology available for consumers	S.KAVITHA
9	FAULT DETECTION IN A SATELLITE POWER SYSTEM USING MACHINE LEARNING	Academic Requirement/Study Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	ALLIN JOE
10	AUTONOMOUS SEED SOWER	Academic Requirement/Study Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	Akila K
11	RRAM BASED IN-MEMORY COMPUTING FOR MACHINE LEARNING APPLICATIONS	Academic Requirement/Study Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	Dr.PARAM/ K

<b>Sr. No.</b>	<b>Innovation Name</b>	<b>Developed as part of</b>	<b>FY of Development (FY. 2020-21,2021-22)</b>	<b>TRL Stage</b>	<b>Team Lead/Innovation Name</b>
12	Underground Cable Fault Detection using IoT	Academic Requirement/Study Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	S.Suryapral
13	REMOTE MONITORING AND FAULT DIAGNOSIS OF INDUCTION MOTOR USING IOT2040	Academic Requirement/Study Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	M Mathank
14	AUTOMATED WOMEN SAFETY DEVICE	Academic Requirement/Study Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	M Mathank
15	Covid 19 screening module	Academic Research Assignment/Industry Sponsored Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	Dr.N.Vinott
16	Shoe insole and upper covering by 3 D printing	Academic Requirement/Study Project	2021-22	TRL 5 : Large scale prototype tested in intended environment	Dr. Nithyap V

<b>Sr. No.</b>	<b>Innovation Name</b>	<b>Developed as part of</b>	<b>FY of Development (FY. 2020-21,2021-22)</b>	<b>TRL Stage</b>	<b>Team Lead/Innovation Name</b>
17	DESIGN AND DEVELOPMENT OF SMART MULTIPURPOSE FACE MASK USING LUFFA FIBRE	Academic Requirement/Study Project	2020-21	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	G RAMAKR
18	IMPROVEMENT OF CHARGING EFFICIENCY IN ELECTRIC VEHICLE USING BIDIRECTIONAL CONVERTER	Academic Requirement/Study Project	2020-21	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	Dr.PARAM/ K
19	DESIGN AND DEVELOPMENT OF ECOFRIENDLY NON –WOVEN DISPOSABLE SWEAT PADS	Academic Requirement/Study Project	2020-21	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	DR.V.KRISH
20	E-Trike	Academic Requirement/Study Project	2020-21	TRL 6 : Prototype system tested in intended environment close to expected performance	Dr.Anitha N
21	Way out for man-animal conflict, especially for protection of agriculture crops from wild animals.	Academic Research Assignment/Industry Sponsored Project	2020-21	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	G.Kanagara

<b>Sr. No.</b>	<b>Innovation Name</b>	<b>Developed as part of</b>	<b>FY of Development (FY. 2020-21,2021-22)</b>	<b>TRL Stage</b>	<b>Team Lead/Innovation Name</b>
22	A DOCTOR TO BE - ADTB	Independent Assignment/Non-academic Study Project	2020-21	TRL 8 : First of a kind commercial system. Manufacturing issues solved	SIVAGURU .
23	Smart Audio Glove	Academic Requirement/Study Project	2020-21	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	Aswini D
24	S-VISION	Independent Assignment/Non-academic Study Project	2020-21	TRL 6 : Prototype system tested in intended environment close to expected performance	SIVAGURU .

## 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	TestedOK Technologies Pvt Ltd	Private Limited Firm (Pvt. Ltd.)	U72900TZ2020PTC035208  <b>View Document</b> ( <a href="https://api.mic.gov.in/uploads/institutes/innov">https://api.mic.gov.in/uploads/institutes/innov</a> )

## 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 MOU / Agreement Signed
1	Sakthi Gear Products	Non Govt. Agency	0003	Active	24-10
2	Zeus EV	Corporate/Industry Association	thre	Active	16-12
3	Spin Draft	Non Govt. Agency	0003	Active	12-11
4	The Engineers EDGE Institute of NDT, Coimbatore	Corporate/Industry Association	TWO2	Active	28-12



<b>Sr. No.</b>	<b>Collaborated Agency Name</b>	<b>Collaborated Agency Type</b>	<b>Period of Collaboration (No. of Years)</b>	<b>Current Status of Collaboration</b>	<b>Date MOU / Agreement Signed</b>
5	Infosys Campus Connect	Corporate/Industry Association	2	Active	12-12
6	Laghu Udyog Bharati	Corporate/Industry Association	0003	Active	14-04
7	Valeth Hightech Composites Pvt. Ltd. Chennai	Non Govt. Agency	one	Active	28-12
8	EMURGO Learning Solutions PVT LTD	Knowledge/Mentoring Agency	3yrs	Active	24-08
9	Gemini CAD	Corporate/Industry Association	2 Yr	Active	05-10
10	ITAMMA MUMBAI	International Agency	five	Active	05-01
11	Indira Gandhi National center for arts	Govt. Agency (Central)	onee	Closed	21-07
12	vland hub	Non Govt. Agency	0003	Active	25-03
13	Ammarun Foundries	Non Govt. Agency	0003	Active	08-10
14	Data Security Council of India	Corporate/Industry Association	03	Active	24-03
15	Institute of Defence Scientists and Technologists, Bengaluru	Govt. Agency (Central)	two	Active	11-04
16	Kuppaikkaran waste management systems Ltd, Salem	Corporate/Industry Association	Two2	Active	26-02
17	"JPP Textile P Ltd SF 412&413 Patharai, Near Sankaraimain road, Uppupalayam, Erode - 638008"	Corporate/Industry Association	thre	Active	26-03

<b>Sr. No.</b>	<b>Collaborated Agency Name</b>	<b>Collaborated Agency Type</b>	<b>Period of Collaboration (No. of Years)</b>	<b>Current Status of Collaboration</b>	<b>Date MOU / Agreement Signed</b>
18	CENTRE FOR DEVELOPMENT OF ADVANCED COMPUTING	Govt. Agency (Central)	0002	Active	26-02
19	Capgemini Engineering	Non Govt. Agency	0003	Active	29-11
20	Golden Bio cultures, Tiruchengode	Corporate/Industry Association	THRE	Active	29-01
21	Indira Gandhi Centre of Arts (IGNCA), New Delhi	Govt. Agency (Central)	2 Yr	Active	28-07
22	Ayurvastra Textiles Pvt. Ltd, Thiruvananthapuram	Non Govt. Agency	3 Yr	Active	06-01
23	SHLOK LABS	Corporate/Industry Association	3 yr	Active	18-08
24	Unitek Hydraulics	Non Govt. Agency	0003	Active	27-08
25	M/s Connect Wind Power India Spares & Services	Non Govt. Agency	0003	Active	06-01
26	Samsung R&D Institute-Bangalore Private Limited	Corporate/Industry Association	thre	Active	03-08
27	Bull Agro Implements	Non Govt. Agency	0003	Active	15-09
28	Kaizenat Technologies Pvt. Ltd	Corporate/Industry Association	thre	Active	15-04
29	FLEXOL Packaging (India) Limited	Corporate/Industry Association	thre	Active	17-04
30	Katomaran Technologies Pvt Ltd	Corporate/Industry Association	0001	Active	01-02

<b>Sr. No.</b>	<b>Collaborated Agency Name</b>	<b>Collaborated Agency Type</b>	<b>Period of Collaboration (No. of Years)</b>	<b>Current Status of Collaboration</b>	<b>Date MOU / Agreement Signed</b>
31	"BGMEA University of Fashion & Technology (BUFT), Dhaka, Bangladesh "	Educational Institute	thre	Active	08-11
32	Unitek Hydraulics, Coimbatore	Non Govt. Agency	3yrs	Active	27-08
33	Nextleap Aeronautics Pvt. Ltd., Chennai	Non Govt. Agency	3yrs	Active	05-01
34	KSB Limited	Non Govt. Agency	0003	Active	29-11
35	Apparel, Made-Ups & Home Furnishing Sector Skill Council (AMHSSC)	Govt. Agency (Central)	3 Yr	Active	16-09
36	"ICAR-Sugarcane Breeding Institute, Coimbatore."	Govt. Agency (Central)	four	Active	06-10
37	EKEEDA Pvt Ltd,Mumbai	Knowledge/Mentoring Agency	TWO2	Active	20-04
38	eDX Inc Enterprise	Educational Institute	TWO2	Active	27-09
39	Course5 Intelligence Limited	Corporate/Industry Association	03	Active	21-04
40	Premier Astra	Corporate/Industry Association	0001	Active	15-12

## 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/Ti to Industry/Startup/S
1	Kitchen Waste Management Unit	Design	328137-001	12-03-2020	No
2	Funnel	Design	345740-001	05-07-2021	No
3	i- Practace	Design	387774-001	18-07-2022	No

### 7.2) Patents Filed by HEI

Sr. No.	Title/Name of Patent	IP Registration Number	Date of Filed/Published
1	Portable millet popping machine and method thereof	202041056868	29-12-2020
2	Semi-Plugin Battery Mangement system powered by dual renewable energy for quadric 4 seater (VWC) EV	202141027891	22-06-2021
3	FAYA SHEBEI	202141005618	10-02-2021
4	Smart Tie for Monitoring School Students to predict from Kidnappers	202141001076	15-01-2021
5	A Method and System for Optimization in a 5G Communication Platform	202141013998	02-04-2021
6	System and Method for Detection of Defects on Glossy Reflective Surface	202041016012	14-04-2020
7	Detection of Rotor Faults on Asynchronous Motor using motor current signature analysis and Instantaneous power analysis method.	202011043068	03-10-2020
8	A Novel Disinfecting Machine for a Portable object	202111017540	15-04-2021
9	A System for Intransit Charging of Drones.	202141025349	07-06-2021

Sr. No.	Title/Name of Patent	IP Registration Number	Date of Filed/Published
10	A DUAL ROTOR PERMANENT MAGNET GENERATOR USING FINITE ELEMENT ANALYSIS (FEA) TOOL	202141037737	19-08-2021
11	AN APPARATUS FOR EXTERNAL MANUAL WITH AUTOMATIC TRANSMISSION SYSTEM AND A METHOD THEREOF	202141029333	30-06-2021
12	AUTOMATED VOICE BASED PAGE TURNER DEVICE AND METHOD THEREOF	202141029382	30-06-2021
13	IOT based Production of Environment friendly Bio-Fuel from Renewable Resources	2021104265	17-07-2021
14	Garbage Collecting Redundant Robotic Manipulator	202141026309	14-06-2021
15	Autonomous Thermo Water Conditioner	202141037386	18-08-2021
16	IOT based Automatic rubber Latex harvesting machine	202041008469	28-02-2020
17	Hi-tech face mask to detect various diseases	202141015960	05-04-2021
18	Protease - Based Wound Dressing Material	202041057439	31-12-2020
19	AN APPARATUS FOR HOLDING AND DISPENSING WATER FROM A WATER CAN	202041001486	13-01-2020
20	SYSTEM AND METHOD FOR WEIGHING VEHICLES	202141029530	30-06-2021
21	AN APPARATUS FOR DISINFECTING BIOMETRIC SYSTEM AND A METHOD THEREOF	202141029332	30-06-2021
22	A lucrative method for harvesting electromagnetic waves from the outer space for various industrial applications	202041001356	13-01-2020
23	Smart Product Dispenser and Method Thereof	202041002403	20-01-2020
24	Slip Joint Repair Coupling	202041008136	26-02-2020
25	Coconut Tree Trunk Drilling and Pesticide Injecting Device	202041008468	28-02-2020
26	Temperature Monitoring Device and a Method for Operating the Same	202041020298	14-05-2020
27	IOT based wearable sanitizer dispenser with calorie monitoring device	202041031779	24-07-2020

<b>Sr. No.</b>	<b>Title/Name of Patent</b>	<b>IP Registration Number</b>	<b>Date of Filed/Published</b>
28	IOT based surface dust finding and cleaning machine	202041039495	11-09-2020
29	FPGA Based Predictive Current Controlled FL-DSTATCOM for Load Compensation in Electric Distribution System	202041040227	17-09-2020
30	Internet Of Things (IOT) Network Architecture System Based Application Method	202041039647	14-09-2020
31	A System and Method for Contactless Fingerprint Scanning and Attendance Process	202041039460	11-09-2020
32	Smart ON-Board Safe Driving System	202041044168	09-10-2020
33	Internet of Things Based Smart Water Testing Drone System for Sewage Testing Process	202041054166	12-12-2020
34	Smart glass for assisting visually impaired people	202041056869	29-12-2020
35	Buckle for wrist watch	202041056870	29-12-2020
36	An automated health screening and protection system and method thereof	202041056871	29-12-2020
37	Automated scrubber device and method thereof	202041057118	29-12-2021
38	Wireless power transmission based on road electric vehicle mobile charging	202141001285	11-01-2021
39	A Smart dustbin for disabled people	202141001895	15-01-2021
40	An intelligent drone for social surveillance	202141005231	08-02-2021
41	A Wireless Interactive IOT Service Robots for Smart Home	202141003260	23-01-2021
42	IOT Enabled Intelligent Solar Charge Controller for a Smart Irrigation System	202111004303	01-02-2021
43	IOT based smart medicine dispensing system in hospitals	202141008013	25-02-2021
44	An intelligent concrete mixture system with prediction of mixture strength using deep learning	202141020632	06-05-2021
45	AN APPARATUS FOR DISINFECTING BIOMETRIC SYSTEM AND A METHOD THEREOF	202141029332	30-06-2021

Sr. No.	Title/Name of Patent	IP Registration Number	Date of Filed/Published
46	Hand launchable Copter for Surveillance	202141029531	30-06-2021
47	Machine Learning & IOT Based Smart Wearable System For Autonomous Management Of Diabetes Mellitus	202121031082	11-07-2021
48	LORAWAN integrated IOT system to maximize the agricultural productivity	202141034726	02-08-2021
49	GSM based intelligent energy meter for electricity consumption measurement and bill payment system	202141039509	01-09-2021
50	An innovative method for introducing multiple data relationships into the SVM optimization process	202141046043	08-10-2021
51	A cleaning and inspection system for inaccessible and enclosed structures	202141052418	16-11-2021
52	An efficient methodology to manage the bio-medical wastes collected from hospitals and diagnostic centers	202141061800	30-12-2021

### 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	Institution applying Patent
1	201741043687	Jute-hollow conjugated polyester fibre nonwoven flexible composite padding material	06-12-2017	Granted	2021	Other(I
2	201741038228	Novel skin feature based jaundice detection for neonates using noninvasive technique	27-10-2017	Granted	2021	Other(I

Sr. No.	Patent Registration Application No	Patent Title	Patent Application Date	Status of Patent Applications	Patent Published / Granted Calendar Year	Institut applic Patent
3	201941008024	Low Weight Jacquard Hooks For Handlooms	01-03-2019	Granted	2021	Other(I
4	2021104265	IOT based Production of Environment friendly Bio-Fuel from Renewable Resources	17-07-2021	Granted	2021	Other(I
5	202141055878	DESIGN AND DEVELOPMENT OF AGRICULTURE BASED FERTILIZER SPRAYING AND WEED REMOVAL DEVICE	02-12-2021	Published	2021	
6	202141054878	ELECTRIC VEHICLE MANUFACTURING PROCESS AND METHODS USING DEEP LEARNING	26-11-2021	Published	2021	
7	202141052149	SMART RODENT TRAP ON AGRICULTURAL FARM	13-11-2021	Published	2021	
8	202141048445	IOT based fully autonomous personal service robotics device	24-10-2021	Published	2021	
9	202141047926	AUTOMATIC UNMANNED RAILWAY LEVEL CROSSING GATE	21-10-2021	Published	2021	



Sr. No.	Patent Registration Application No	Patent Title	Patent Application Date	Status of Patent Applications	Patent Published / Granted Calendar Year	Institut applic Patent
10	202141046043	AN INNOVATIVE METHOD FOR INTRODUCING MULTIPLE DATA RELATIONSHIPS INTO THE SVM OPTIMIZATION PROCESS	08-10-2021	Published	2021	
11	202141039509	GSM BASED INTELLIGENT ENERGY METER FOR ELECTRICITY CONSUMPTION MEASUREMENT AND BILL PAYMENT SYSTEM	01-09-2021	Published	2021	
12	202141038177	THE MODELING OF HYBRID SYSTEMS USED IN ELECTRIC VEHICLES	23-08-2021	Published	2021	
13	202141037737	A DUAL ROTOR PERMANENT MAGNET GENERATOR USING FINITE ELEMENT ANALYSIS (FEA) TOOL	19-08-2021	Published	2021	
14	202141037389	A METHOD OF AIR POLLUTION MONITORING SYSTEM USING INTERNET OF THINGS	18-08-2021	Published	2021	
15	202141034726	LORAWAN INTEGRATED IOT SYSTEM TO MAXIMIZE THE AGRICULTURAL PRODUCTIVITY	02-08-2021	Published	2021	

Sr. No.	Patent Registration Application No	Patent Title	Patent Application Date	Status of Patent Applications	Patent Published / Granted Calendar Year	Institut applic Patent
16	202141034610	A SYSTEM FOR SERVER-DRIVEN DATA SYNCHRONIZATION IN IOT CONNECTIVITY AND METHOD THEREOF	01-08-2021	Published	2021	
17	202121031082	MACHINE LEARNING & IOT BASED SMART WEARABLE SYSTEM FOR AUTONOMOUS MANAGEMENT OF DIABETES MELLITUS	11-07-2021	Published	2021	
18	202141027891	SEMI-PLUGIN BATTERY MANAGEMENT SYSTEM POWERED BY DUAL RENEWABLE ENERGY FOR QUADRIC 4 - SEATER (VWC) EV	22-06-2021	Published	2021	
19	202141026746	DETECTION OF GLAUCOMA USING IMAGE PROCESSING	16-06-2021	Published	2021	
20	202141020632	AN INTELLIGENT CONCRETE MIXTURE SYSTEM WITH PREDICTION OF MIXTURE STRENGTH USING DEEP LEARNING	06-05-2021	Published	2021	
21	202111017540	A NOVEL DISINFECTING MACHINE FOR A PORTABLE OBJECT	15-04-2021	Published	2021	

<b>Sr. No.</b>	<b>Patent Registration Application No</b>	<b>Patent Title</b>	<b>Patent Application Date</b>	<b>Status of Patent Applications</b>	<b>Patent Published / Granted Calendar Year</b>	<b>Institut applic Patent</b>
22	202141015960	HI-TECH FACE MASK TO DETECT VARIOUS DISEASES	05-04-2021	Published	2021	
23	202141013998	A METHOD AND A SYSTEM FOR BANDWIDTH OPTIMIZATION IN A 5G COMMUNICATION PLATFORM	29-03-2021	Published	2021	
24	202141008013	IOT BASED SMART MEDICINE DISPENSING SYSTEM IN HOSPITALS	25-02-2021	Published	2021	
25	202141005231	AN INTELLIGENT DRONE FOR SOCIAL SURVEILLANCE	08-02-2021	Published	2021	
26	202111004303	IOT ENABLED INTELLIGENT SOLAR CHARGE CONTROLLER FOR A SMART IRRIGATION SYSTEM	01-02-2021	Published	2021	
27	202141003260	A WIRELESS INTERACTIVE IOT SERVICE ROBOTS FOR SMART HOME	23-01-2021	Published	2021	
28	202141001895	A SMART DUSTBIN FOR DISABLED PEOPLE	15-01-2021	Published	2021	
29	202141001285	WIRELESS POWER TRANSMISSION BASED ON ROAD ELECTRIC VEHICLE MOBILE CHARGING	11-01-2021	Published	2021	

<b>Sr. No.</b>	<b>Patent Registration Application No</b>	<b>Patent Title</b>	<b>Patent Application Date</b>	<b>Status of Patent Applications</b>	<b>Patent Published / Granted Calendar Year</b>	<b>Institut applic Patent</b>
30	202141001076	SMART TIE FOR MONITORING SCHOOL STUDENTS TO PREDICT FROM KIDNAPPERS	09-01-2021	Published	2021	
31	202041008136	SLIP JOINT REPAIR COUPLING	26-02-2020	Published	2021	
32	202041002403	SMART PRODUCT DISPENSER AND METHOD THEREOF	20-01-2020	Published	2021	
33	202041001486	AN APPARATUS FOR HOLDING AND DISPENSING WATER FROM A WATER CAN	13-01-2020	Published	2021	
34	202141020632	AN INTELLIGENT CONCRETE MIXTURE SYSTEM WITH PREDICTION OF MIXTURE STRENGTH USING DEEP LEARNING	06-05-2021	Granted	2021	
35	201741023777	Function Control Device for Industrial Sewing Machine	06-07-2017	Published	2019	
36	201741036272	Hybrid Membrane-bioreactor for Pharmaceutical Industrial and hospital waste water treatment	12-04-2018	Published	2019	
37	201741036310	Eco-friendly Sanitary napkins from Natural fibre	12-04-2018	Published	2019	

<b>Sr. No.</b>	<b>Patent Registration Application No</b>	<b>Patent Title</b>	<b>Patent Application Date</b>	<b>Status of Patent Applications</b>	<b>Patent Published / Granted Calendar Year</b>	<b>Institut applic Patent</b>
38	201841005557	Apparatus And Method Of Fluid Absorption And WT Back TTR For Absorbent Pads	14-07-2018	Published	2019	
39	201841010021	Dynamic Traffic Detection and Vehicle Classification Using Piezoelectric Sensor	19-03-2018	Published	2019	
40	201841013862	An Apparatus for the Manufacture of Ground Chakker in Fire Works Industry	04-11-2018	Published	2019	
41	201841016173	An Apparatus and Method For Organised Dispensing of Medicines	30-04-2018	Published	2019	
42	201841016765	Apparatus and Method for Edge and Lane Reference Line Detection in Road from Vehicle	05-03-2018	Published	2019	
43	201841018295	Computerized Dynamic Knittability Tester For Hosiery Yarns	16-11-2018	Published	2019	
44	201841049355	Discovery of Sanal Flow Choking Phenomenon	27-12-2018	Published	2019	
45	201941008025	Modified jacquard for handlooms	01-03-2019	Published	2019	

Sr. No.	Patent Registration Application No	Patent Title	Patent Application Date	Status of Patent Applications	Patent Published / Granted Calendar Year	Institut applic Patent
46	201741044327	A Closed-From Analytical Solution For Validation, Verification, And Calibration Of Cfd Codes For Various Industrial Applications	11-06-2018	Published	2020	
47	201841008026	Aluminium Matrix Composite Reinforced With High Strength Tungsten Carbide And Flyash & Preparation Method Thereof	05-09-2018	Published	2020	
48	201841024063	Sennabetic Jelly and Preparation Method Thereof	28-09-2018	Published	2020	
49	201841032591	Crash Barrier With Spring Loaded Floating Rollers	30-08-2018	Published	2020	
50	202041031779	IOT based wearable sanitizer dispenser with calorie monitoring device	24-07-2020	Published	2020	
51	202041039495	IOT based surface dust finding and cleaning machine	11-09-2020	Published	2020	
52	202011043068	Detection Of Rotor Faults On Asynchronous Motor Using Motor Current Signature Analysis And Instantaneous Power Analysis Method	03-10-2020	Published	2020	

<b>Sr. No.</b>	<b>Patent Registration Application No</b>	<b>Patent Title</b>	<b>Patent Application Date</b>	<b>Status of Patent Applications</b>	<b>Patent Published / Granted Calendar Year</b>	<b>Institut applic Patent</b>
53	202041044168	Smart ON-Board Safe Driving System	09-10-2020	Published	2020	
54	201841049585	Dual-head electromagnetic propulsion system for planet landers for soft landing	28-12-2018	Published	2020	
55	202141005618	FAYA SHEBEI	10-02-2021	Published	2021	Other(I
56	202041016012	System and Method for Detection of Defects on Glossy Reflective Surface	14-04-2020	Published	2021	Applica
57	202141025349	A System for Intransit Charging of Drones	07-06-2021	Published	2021	Other(I
58	202041001356	A lucrative method for harvesting electromagnetic waves from the outer space for various industrial applications	13-01-2020	Published	2021	Other(I
59	202041020298	Temperature Monitoring Device and a Method for Operating the Same	14-05-2020	Published	2020	Other(I
60	202041040227	FPGA Based Predictive Current Controlled FL-DSTATCOM for Load Compensation in Electric Distribution System	17-09-2020	Published	2020	Other(I

Sr. No.	Patent Registration Application No	Patent Title	Patent Application Date	Status of Patent Applications	Patent Published / Granted Calendar Year	Institution applying Patent
61	202041039647	Internet Of Things (IOT) Network Architecture System Based Application Method	14-09-2020	Published	2020	Other(I
62	202041039460	A System and Method for Contactless Fingerprint Scanning and Attendance Process	11-09-2020	Published	2020	Other(I
63	202041054166	Internet of Things Based Smart Water Testing Drone System for Sewage Testing Process	12-12-2020	Published	2020	Other(I
64	202141055878	DESIGN AND DEVELOPMENT OF AGRICULTURE BASED FERTILIZER SPRAYING AND WEED REMOVAL DEVICE	12-02-2021	Published	2021	
65	202141054878	ELECTRIC VEHICLE MANUFACTURING PROCESS AND METHODS USING DEEP LEARNING	26-11-2021	Published	2021	
66	202141052149	SMART RODENT TRAP ON AGRICULTURAL FARM	13-11-2021	Published	2021	
67	202141048445	IOT based fully autonomous personal service robotics device	24-10-2021	Published	2021	



<b>Sr. No.</b>	<b>Patent Registration Application No</b>	<b>Patent Title</b>	<b>Patent Application Date</b>	<b>Status of Patent Applications</b>	<b>Patent Published / Granted Calendar Year</b>	<b>Institut applic Patent</b>
68	202141047926	AUTOMATIC UNMANNED RAILWAY LEVEL CROSSING GATE	21-10-2021	Published	2021	
69	202141046043	AN INNOVATIVE METHOD FOR INTRODUCING MULTIPLE DATA RELATIONSHIPS INTO THE SVM OPTIMIZATION PROCESS	10-08-2021	Published	2021	
70	202141039509	GSM BASED INTELLIGENT ENERGY METER FOR ELECTRICITY CONSUMPTION MEASUREMENT AND BILL PAYMENT SYSTEM	09-01-2021	Published	2021	
71	202141038177	THE MODELING OF HYBRID SYSTEMS USED IN ELECTRIC VEHICLES	23-08-2021	Published	2021	
72	202141037737	A DUAL ROTOR PERMANENT MAGNET GENERATOR USING FINITE ELEMENT ANALYSIS (FEA) TOOL	19-08-2021	Published	2021	
73	202141037389	A METHOD OF AIR POLLUTION MONITORING SYSTEM USING INTERNET OF THINGS	18-08-2021	Published	2021	

Sr. No.	Patent Registration Application No	Patent Title	Patent Application Date	Status of Patent Applications	Patent Published / Granted Calendar Year	Institut applic Patent
74	202141034726	LORAWAN INTEGRATED IOT SYSTEM TO MAXIMIZE THE AGRICULTURAL PRODUCTIVITY	08-02-2021	Published	2021	
75	202141034610	A SYSTEM FOR SERVER-DRIVEN DATA SYNCHRONIZATION IN IOT CONNECTIVITY AND METHOD THEREOF	08-01-2021	Published	2021	
76	202121031082	MACHINE LEARNING & IOT BASED SMART WEARABLE SYSTEM FOR AUTONOMOUS MANAGEMENT OF DIABETES MELLITUS	07-11-2021	Published	2021	
77	202141028270	ELECTRONICALLY ENABLED AND E-AWARD DEVICE FOR PHYSICAL ACTIVITY GOAL CHALLENGES FOR IT PROFESSIONALS TO STRENGTHEN MUSCLES AND BONES	23-06-2021	Published	2021	
78	202141027891	SEMI-PLUGIN BATTERY MANAGEMENT SYSTEM POWERED BY DUAL RENEWABLE ENERGY FOR QUADRIC 4 - SEATER (VWC) EV	22-06-2021	Published	2021	

Sr. No.	Patent Registration Application No	Patent Title	Patent Application Date	Status of Patent Applications	Patent Published / Granted Calendar Year	Institut applic Patent
79	202141026746	DETECTION OF GLAUCOMA USING IMAGE PROCESSING	16-06-2021	Published	2021	
80	202141020632	AN INTELLIGENT CONCRETE MIXTURE SYSTEM WITH PREDICTION OF MIXTURE STRENGTH USING DEEP LEARNING	05-06-2021	Published	2021	
81	202111017540	A NOVEL DISINFECTING MACHINE FOR A PORTABLE OBJECT	15-04-2021	Published	2021	
82	202141015960	HI-TECH FACE MASK TO DETECT VARIOUS DISEASES	04-05-2021	Published	2021	
83	202141013998	A METHOD AND A SYSTEM FOR BANDWIDTH OPTIMIZATION IN A 5G COMMUNICATION PLATFORM	29-03-2021	Published	2021	
84	202141008013	IOT BASED SMART MEDICINE DISPENSING SYSTEM IN HOSPITALS	25-02-2021	Published	2021	
85	202141005231	AN INTELLIGENT DRONE FOR SOCIAL SURVEILLANCE	02-08-2021	Published	2021	

<b>Sr. No.</b>	<b>Patent Registration Application No</b>	<b>Patent Title</b>	<b>Patent Application Date</b>	<b>Status of Patent Applications</b>	<b>Patent Published / Granted Calendar Year</b>	<b>Institut applic Patent</b>
86	202111004303	IOT ENABLED INTELLIGENT SOLAR CHARGE CONTROLLER FOR A SMART IRRIGATION SYSTEM	02-01-2021	Published	2021	
87	202141003260	A WIRELESS INTERACTIVE IOT SERVICE ROBOTS FOR SMART HOME	23-01-2021	Published	2021	
88	202141001895	A SMART DUSTBIN FOR DISABLED PEOPLE	15-01-2021	Published	2021	
89	202141001285	WIRELESS POWER TRANSMISSION BASED ON ROAD ELECTRIC VEHICLE MOBILE CHARGING	01-11-2021	Published	2021	
90	202141001076	SMART TIE FOR MONITORING SCHOOL STUDENTS TO PREDICT FROM KIDNAPPERS	01-09-2021	Published	2021	
91	202041008136	SLIP JOINT REPAIR COUPLING	26-02-2020	Published	2021	
92	202041002403	SMART PRODUCT DISPENSER AND METHOD THEREOF	20-01-2020	Published	2021	
93	202041001486	AN APPARATUS FOR HOLDING AND DISPENSING WATER FROM A WATER CAN	13-01-2020	Published	2021	

<b>Sr. No.</b>	<b>Patent Registration Application No</b>	<b>Patent Title</b>	<b>Patent Application Date</b>	<b>Status of Patent Applications</b>	<b>Patent Published / Granted Calendar Year</b>	<b>Institut applic Patent</b>
94	202141020632	AN INTELLIGENT CONCRETE MIXTURE SYSTEM WITH PREDICTION OF MIXTURE STRENGTH USING DEEP LEARNING	05-06-2021	Granted	2021	
95	201741044327	A Closed-From Analytical Solution For Validation, Verification, And Calibration Of Cfd Codes For Various Industrial Applications	06-11-2018	Published	2020	
96	201841008026	Aluminium Matrix Composite Reinforced With High Strength Tungsten Carbide And Flyash & Preparation Method Thereof	09-05-2018	Published	2020	
97	201841024063	Sennabetic Jelly and Preparation Method Thereof	28-09-2018	Published	2020	
98	201841032591	Crash Barrier With Spring Loaded Floating Rollers	30-08-2018	Published	2020	
99	202041031779	IOT based wearable sanitizer dispenser with calorie monitoring device	24-07-2020	Published	2020	
100	202041039495	IOT based surface dust finding and cleaning machine	09-11-2020	Published	2020	

Sr. No.	Patent Registration Application No	Patent Title	Patent Application Date	Status of Patent Applications	Patent Published / Granted Calendar Year	Institut applic Patent
101	202011043068	Detection Of Rotor Faults On Asynchronous Motor Using Motor Current Signature Analysis And Instantaneous Power Analysis Method	10-03-2020	Published	2020	
102	202041044168	Smart ON-Board Safe Driving System	10-09-2020	Published	2020	
103	201841049585	Dual-head electromagnetic propulsion system for planet landers for soft landing	28-12-2018	Published	2020	

#### 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
1	i-Practace [Under Process for Commercialization]	IP/Patented Technology	Nirosh Kumar H	Institute



# 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. D.SARAVANAN** (Head of Institute) and **Dr. PARAMASIVAM K** (Nodal Officer) jointly declaring on behalf of our institute is that all the information submitted are true and correct to best of our knowledge.

Thank you

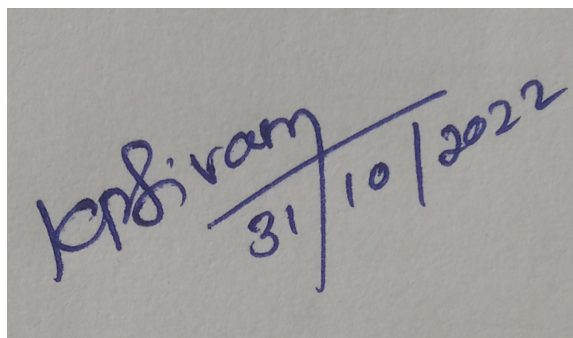
The Head of Institute



---

Dr. D.SARAVANAN,  
Head of the Institution,  
Kumaraguru College of Technology,  
Coimbatore, Tamil Nadu

Nodal officer



---

Dr. PARAMASIVAM K,  
Nodal Officer,  
Kumaraguru College of Technology,  
Coimbatore, Tamil Nadu