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National Institutional Ranking Framework for Innovation
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K.S.RANGASAMY COLLEGE OF TECHNOLOGY [ARI-C-39247][C-39247]

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	Yes
Institute has Action Plans for Implementation of the I&E Policy	Yes

Contact:

Faculty Name:	Dr.N.Tiruvenkadam
Designation:	Associate Professor
Email ID:	tiruvenkadam@ksrct.ac.in
Mobile No.	9944672671

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
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.M.Kathirselvam
Designation:	Assistant Professor
Email ID:	mkathirselvam@ksrct.ac.in
Mobile No.	9042897228

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	Mr.M.Prasath	Advance	0
2	Dr.N.Tiruvenkadam	Advance	5

Sr. No.	Name of the Faculty IA	Level of Training	No of I&E Expert Talks/Sessions Conducted
3	Dr.M.Tamilarasi	Basic	13
4	Dr W. Deva Priya	Advance	0
5	Dr.A.Murugesan	Advance	0
6	Nithya Jayakumar	Advance	0
7	Mugilan	Advance	2
8	Dr.M.Kathirselvam	Advance	4
9	Dr.B.Kalpana	Advance	4
10	Mr.U.Vivek	Advance	2
11	Mr.N.Giridharan	Advance	1
12	Mr.K.Raguvaran	Advance	1
13	Mr.G.Devanand	Advance	1
14	Dr.B.Mythili Gnanamangai	Advance	4
15	Ms.M.Vaishnavi	Advance	2
16	Mr.K.Angu Senthil	Advance	2
17	Dr.M.Malarvizhi	Basic	1
18	Dr.J.S.Swathy	Basic	1
19	Mr.M.Dhanapal	Basic	1
20	Mr.C.Ramesh	Basic	1

Sr. No.	Name of the Faculty IA	Level of Training	No of I&E Expert Talks/Sessions Conducted
21	Mr.D.Poornakumar	Basic	1
22	Ms.S.Gayathri	Basic	2
23	Mr.P.Thangamariappan	Basic	2
24	Mr.R.Vivek	Basic	1
25	Ms.M.Dharani	Advance	1
26	Ms.R.Keerthikga	Basic	1

1.4) Participation in KAPILA/SIH Program

HEI Registered in the KAPILA Portal	C-39247	Yes
HEI Participated in the Smart India Hackathon (2022)	C-39247	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	Total Duration of the Course (in Days)	Total Number of Contact Hours of the Course
1	Fundamentals of Nanoscience and Technology	50 NT 301	2020-21	Core Course	Bachelor	Department of Nanoscience and Technology	3	15-07-2020 00:00:00	31-10-2020 00:00:00	109	45
2	Synthesis of Nanomaterials	50 NT 302	2020-21	Core Course	,Bachelor	Department of Nanoscience and Technology	3	13-07-2020 00:00:00	31-10-2020 00:00:00	111	45
3	Characterization of Nanomaterials	50 NT 401	2021-22	Core Course	,Bachelor	Department of Nanoscience and Technology	3	07-03-2022 00:00:00	01-05-2022 00:00:00	56	45
4	Polymers Science and Technology	50 NT 402	2021-22	Core Course	Bachelor	Department of Nanoscience and Technology	3	07-03-2022 00:00:00	01-05-2022 00:00:00	56	45
5	Nanotechnology in Food Preservation and Safety Management	50 NT 405	2021-22	Core Course	,Bachelor	Department of Nanoscience and Technology	3	07-03-2022 00:00:00	01-05-2022 00:00:00	56	45
6	Nano Electronics	50 NT 501	2020-21	Core Course	,Bachelor	Department of Nanoscience and Technology	4	15-07-2020 00:00:00	31-10-2020 00:00:00	109	45

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	Total Duration of the Course (in Days)	Total Number of Contact Hours of the Course
7	Nano Technology in Textile and Agriculture industry	50 NT 504	2020-21	Core Course	,Bachelor	Department of Nanoscience and Technology	3	15-07-2020 00:00:00	31-10-2020 00:00:00	109	45
8	Startups and Entrepreneurship	50 MY 014	2021-22	Core Course	,Bachelor	Department of Nanoscience and Technology	1	09-08-2021 00:00:00	21-11-2021 00:00:00	105	45
9	Total Quality Management	40 HS 003	2020-21	Core Course	,Bachelor	Department of Nanoscience and Technology	3	15-07-2020 00:00:00	31-10-2020 00:00:00	109	45
10	Green Energy Technology	40 NT E21	2020-21	Elective Course	,Bachelor	Department of Nanoscience and Technology	3	18-01-2021 00:00:00	30-04-2021 00:00:00	103	45
11	Nanocomposites	40 NT E43	2020-21	Elective Course	,Bachelor	Department of Nanoscience and Technology	3	15-07-2020 00:00:00	31-10-2020 00:00:00	109	45
12	Manufacturing Processes	50 ME 301	2020-21	Core Course	Bachelor	Mechanical Engineering	3	15-07-2020 00:00:00	31-10-2020 00:00:00	109	45
13	Automation in Manufacturing	50 ME 602	2020-21	Core Course	Bachelor	Mechanical Engineering	3	18-01-2021 00:00:00	08-05-2021 00:00:00	111	45

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	Total Duration of the Course (in Days)	Total Number of Contact Hours of the Course
14	Design of Mechanical Transmission Systems	50 ME 603	2020-21	Core Course	Bachelor	Mechanical Engineering	4	18-01-2021 00:00:00	08-05-2021 00:00:00	111	60
15	Rapid Prototyping	50 ME E13	2020-21	Elective Course	Bachelor	Mechanical Engineering	3	15-07-2020 00:00:00	31-10-2020 00:00:00	109	45
16	Product Design for Manufacturing	50 ME E14	2020-21	Elective Course	Bachelor	Mechanical Engineering	3	15-07-2020 00:00:00	31-10-2020 00:00:00	109	45
17	Process Planning and Cost Estimation	50 ME E22	2020-21	Elective Course	Bachelor	Mechanical Engineering	3	18-01-2021 00:00:00	08-05-2021 00:00:00	111	45
18	Quality Control and Reliability Engineering	50 ME E25	2020-21	Elective Course	Bachelor	Mechanical Engineering	3	18-01-2021 00:00:00	08-05-2021 00:00:00	111	45
19	Supply Chain Management	50 ME E34	2020-21	Elective Course	Bachelor	Mechanical Engineering	3	18-01-2021 00:00:00	08-05-2021 00:00:00	111	45

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	Total Duration of the Course (in Days)	Total Number of Contact Hours of the Course
20	Engineering Economics and Financial Accounting	40 HS 002	2020-21	Core Course	Bachelor	Mechanical Engineering	2	23-01-2021 00:00:00	27-02-2021 00:00:00	36	45
21	Advanced Manufacturing Process	40 ME E41	2020-21	Elective Course	Bachelor	Mechanical Engineering	3	18-01-2021 00:00:00	27-02-2021 00:00:00	41	45
22	Entrepreneurship Development	40 ME E43	2020-21	Elective Course	Bachelor	Mechanical Engineering	3	18-01-2021 00:00:00	27-02-2021 00:00:00	41	45
23	Process Planning and Cost Estimation	40 ME E45	2020-21	Elective Course	Bachelor	Mechanical Engineering	3	18-01-2021 00:00:00	27-02-2021 00:00:00	41	45
24	Non Destructive Materials Evaluation	40 ME E51	2020-21	Elective Course	Bachelor	Mechanical Engineering	3	18-01-2021 00:00:00	27-02-2021 00:00:00	41	45
25	Supply Chain Management	40 ME E53	2020-21	Elective Course	Bachelor	Mechanical Engineering	3	18-01-2021 00:00:00	27-02-2021 00:00:00	41	45
26	Lean Manufacturing	40 ME E54	2020-21	Elective Course	Bachelor	Mechanical Engineering	3	18-01-2021 00:00:00	27-02-2021 00:00:00	41	45

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	Total Duration of the Course (in Days)	Total Number of Contact Hours of the Course
27	Startups and Entrepreneurship	50 MY 014	2021-22	Elective Course	Bachelor	Mechanical Engineering	3	07-03-2022 00:00:00	16-06-2022 00:00:00	102	30
28	Product Design for Manufacturing	50 ME E14	2020-21	Elective Course		Mechanical Engineering	3	26-07-2021 00:00:00	12-11-2021 00:00:00	110	45
29	Quality Control and Reliability Engineering	50 ME E25	2021-22	Elective Course	Bachelor	Mechanical Engineering	3	07-03-2022 00:00:00	16-06-2022 00:00:00	102	45
30	Process Planning and Cost Estimation	50 ME E31	2021-22	Elective Course	Bachelor	Mechanical Engineering	3	07-03-2022 00:00:00	16-06-2022 00:00:00	102	45
31	Finite Element Analysis	50 ME 702	2021-22	Core Course	Bachelor	Mechanical Engineering	4	26-07-2021 00:00:00	12-11-2021 00:00:00	110	60
32	Logistics Management	50 ME E44	2021-22	Elective Course	Bachelor	Mechanical Engineering	3	26-07-2021 00:00:00	12-11-2021 00:00:00	110	45
33	Generation Transmission and Distribution	50 EE 501	2020-21	Core Course	Bachelor	Electrical and Electronics Engineering	3	15-07-2020 00:00:00	31-10-2020 00:00:00	109	60

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	Total Duration of the Course (in Days)	Total Number of Contact Hours of the Course
34	Control Systems	50 EE 502	2020-21	Core Course	Bachelor	Electrical and Electronics Engineering	3	15-07-2020 00:00:00	31-10-2020 00:00:00	109	60
35	Power Electronics	50 EE 503	2020-21	Core Course	Bachelor	Electrical and Electronics Engineering	3	15-07-2020 00:00:00	31-10-2020 00:00:00	109	45
36	Renewable Energy Source	50 EE E13	2020-21	Elective Course	Bachelor	Electrical and Electronics Engineering	3	15-07-2020 00:00:00	31-10-2020 00:00:00	109	45
37	Bio Medical Instrumentation	50 EE E11	2020-21	Elective Course	Bachelor	Electrical and Electronics Engineering	3	15-07-2020 00:00:00	31-10-2020 00:00:00	109	45
38	PLC and SCADA	50 EE E22	2020-21	Elective Course	Bachelor	Electrical and Electronics Engineering	3	15-07-2020 00:00:00	31-10-2020 00:00:00	109	45
39	Power System Analysis and Stability	50 EE 601	2020-21	Core Course	Bachelor	Electrical and Electronics Engineering	3	15-07-2020 00:00:00	31-10-2020 00:00:00	109	60
40	Electrical Drives and Control	50 EE 603	2020-21	Core Course	Bachelor	Electrical and Electronics Engineering	3	18-01-2021 00:00:00	08-05-2021 00:00:00	111	45

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	Total Duration of the Course (in Days)	Total Number of Contact Hours of the Course
41	Start-ups and Entrepreneurship	50 MY 014	2020-21	Elective Course	Bachelor	Electrical and Electronics Engineering	3	18-01-2021 00:00:00	08-05-2021 00:00:00	111	20
42	Power System Operation and Control	40 EE 701	2020-21	Core Course	Bachelor	Electrical and Electronics Engineering	3	15-07-2020 00:00:00	31-10-2020 00:00:00	109	60
43	Power System Protection and Switchgear	40 EE 703	2020-21	Core Course	Bachelor	Electrical and Electronics Engineering	3	15-07-2020 00:00:00	31-10-2020 00:00:00	109	45
44	Embedded Systems	40 EE 704	2020-21	Core Course	Bachelor	Electrical and Electronics Engineering	3	15-07-2020 00:00:00	31-10-2020 00:00:00	109	45
45	Neural Networks and Fuzzy Systems	40 EE E22	2020-21	Elective Course	Bachelor	Electrical and Electronics Engineering	3	15-07-2020 00:00:00	31-10-2020 00:00:00	109	45
46	High Voltage Engineering	40 EE E34	2020-21	Elective Course	Bachelor	Electrical and Electronics Engineering	3	15-07-2020 00:00:00	31-10-2020 00:00:00	109	45
47	Virtual Instrumentation Systems	40 EE E33	2020-21	Elective Course	Bachelor	Electrical and Electronics Engineering	3	15-07-2020 00:00:00	31-10-2020 00:00:00	109	45

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	Total Duration of the Course (in Days)	Total Number of Contact Hours of the Course
48	Electric Power Utilization and Energy Auditing	40 EE 801	2020-21	Core Course	Bachelor	Electrical and Electronics Engineering	3	18-01-2021 00:00:00	08-05-2021 00:00:00	111	45
49	Research Methodology and IPR	50 PPS 103	2020-21	Core Course	Bachelor	Electrical and Electronics Engineering	3	18-01-2021 00:00:00	08-05-2021 00:00:00	111	45
50	Power System Economics and Deregulation	50 PPS 203	2020-21	Core Course	Bachelor	Electrical and Electronics Engineering	3	18-01-2021 00:00:00	08-05-2021 00:00:00	111	45
51	Smart Grid Technologies	50 PPS E33	2020-21	Elective Course	Bachelor	Electrical and Electronics Engineering	3	18-01-2021 00:00:00	08-05-2021 00:00:00	111	45
52	PLC and SCADA	50 EE E22	2021-22	Elective Course	Bachelor	Electrical and Electronics Engineering	3	07-03-2022 00:00:00	01-05-2022 00:00:00	56	45
53	Neural Network and Fuzzy Systems	50 EE E31	2021-22	Elective Course	Bachelor	Electrical and Electronics Engineering	3	26-07-2021 00:00:00	12-11-2021 00:00:00	110	45
54	Micro Electro Mechanical Systems	50 EE E33	2021-22	Elective Course	Bachelor	Electrical and Electronics Engineering	3	26-07-2021 00:00:00	12-11-2021 00:00:00	110	45

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	Total Duration of the Course (in Days)	Total Number of Contact Hours of the Course
55	Start-ups and Entrepreneurship	50 MY 014	2021-22	Elective Course	Bachelor	Electrical and Electronics Engineering	3	26-07-2021 00:00:00	12-11-2021 00:00:00	110	30
56	e Vehicles	50 EE 702	2021-22	Core Course	Bachelor	Electrical and Electronics Engineering	3	26-07-2021 00:00:00	12-11-2021 00:00:00	110	45
57	Total Quality Management	50 HS 003	2021-22	Elective Course	Bachelor	Electrical and Electronics Engineering	3	26-07-2021 00:00:00	12-11-2021 00:00:00	110	45
58	Research Methodology and IPR	50 PSE 103	2020-21	Core Course	Bachelor	Civil Engineering	3	15-07-2020 00:00:00	31-10-2020 00:00:00	109	45
59	Research Methodology - Engineering And Management Studies	50 PSE E47	2021-22	Elective Course	Bachelor	Civil Engineering	3	22-08-2021 00:00:00	21-11-2021 00:00:00	92	45
60	Construction Materials and Practices	50 CE 304	2020-21	Core Course	Bachelor	Civil Engineering	3	15-07-2020 00:00:00	31-10-2020 00:00:00	109	45

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	Total Duration of the Course (in Days)	Total Number of Contact Hours of the Course
61	Concrete Technology	50 CE 405	2020-21	Core Course	Bachelor	Civil Engineering	3	09-01-2021 00:00:00	08-05-2021 00:00:00	120	45
62	Design of Steel Structures	50 CE 602	2020-21	Core Course	Bachelor	Civil Engineering	3	18-01-2021 00:00:00	08-05-2021 00:00:00	111	45
63	Green Buildings	50 CE E14	2020-21	Elective Course	Bachelor	Civil Engineering	3	15-07-2020 00:00:00	31-10-2020 00:00:00	109	45
64	Repair and Rehabilitation of Structures	50 CE E22	2020-21	Elective Course	Bachelor	Civil Engineering	3	15-07-2020 00:00:00	31-10-2020 00:00:00	109	45
65	Construction Materials and Practices	50 CE 304	2021-22	Core Course	Bachelor	Civil Engineering	3	26-07-2021 00:00:00	12-11-2021 00:00:00	110	45
66	Concrete Technology	50 CE 405	2021-22	Core Course	Bachelor	Civil Engineering	3	07-03-2022 00:00:00	16-06-2022 00:00:00	102	45
67	Design of Steel Structures	50 CE 602	2021-22	Core Course	Bachelor	Civil Engineering	3	07-03-2022 00:00:00	16-06-2022 00:00:00	102	45

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	Total Duration of the Course (in Days)	Total Number of Contact Hours of the Course
68	Green Buildings	50 CE E14	2021-22	Elective Course	Bachelor	Civil Engineering	3	26-07-2021 00:00:00	12-11-2021 00:00:00	110	45
69	Repair and Rehabilitation of Structures	50 CE E14	2021-22	Elective Course	Bachelor	Civil Engineering	3	26-07-2021 00:00:00	12-11-2021 00:00:00	110	45
70	Data Structures	50 CS 002	2020-21	Core Course	Bachelor	Computer Science and Engineering	3	18-01-2021 00:00:00	10-05-2021 00:00:00	113	45
71	Software Engineering	50 CS 301	2020-21	Core Course	Bachelor	Computer Science and Engineering	3	18-01-2021 00:00:00	10-05-2021 00:00:00	113	45
72	Design and Analysis of Algorithms	50 IT 001	2020-21	Core Course	Bachelor	Computer Science and Engineering	3	18-01-2021 00:00:00	10-05-2021 00:00:00	113	45
73	Operating Systems	50 CS 402	2020-21	Core Course	Bachelor	Computer Science and Engineering	3	15-07-2020 00:00:00	31-10-2020 00:00:00	109	45
74	Computer Architecture	50 CS 403	2020-21	Core Course	Bachelor	Computer Science and Engineering	3	15-07-2020 00:00:00	31-10-2020 00:00:00	109	45

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	Total Duration of the Course (in Days)	Total Number of Contact Hours of the Course
75	Computer Networks	50 CS 501	2020-21	Core Course	Bachelor	Computer Science and Engineering	3	15-07-2020 00:00:00	31-10-2020 00:00:00	109	45
76	Data Science	50 CS 701	2020-21	Core Course	Bachelor	Computer Science and Engineering	4	15-07-2020 00:00:00	31-10-2020 00:00:00	109	60
77	Mobile Application Development	51 CS E22	2020-21	Elective Course	Bachelor	Computer Science and Engineering	3	15-07-2020 00:00:00	31-10-2020 00:00:00	109	45
78	User Interface Technologies	51 CS E24	2020-21	Elective Course	Bachelor	Computer Science and Engineering	3	15-07-2020 00:00:00	31-10-2020 00:00:00	109	45
79	Artificial Intelligence	51 CS E31	2020-21	Elective Course	Bachelor	Computer Science and Engineering	3	11-07-2020 00:00:00	08-05-2021 00:00:00	302	45
80	Entreprenuership in Food Technology	40 FT 801	2020-21	Core Course	Bachelor	Food Technology	3	18-01-2021 00:00:00	27-02-2021 00:00:00	41	45
81	Mobile Application Development	50 IT E34	2020-21	Elective Course	Bachelor	Information Technology	3	09-02-2020 00:00:00	28-11-2020 00:00:00	294	45

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	Total Duration of the Course (in Days)	Total Number of Contact Hours of the Course
82	Artificial Intelligence for Industry 4	50 IT E41	2021-22	Elective Course	Bachelor	Information Technology	3	02-02-2021 00:00:00	29-04-2021 00:00:00	87	45
83	Business Intelligence	50 IT E51	2021-22	Elective Course	Bachelor	Information Technology	3	02-02-2021 00:00:00	29-04-2021 00:00:00	87	45
84	Database Management Systems	50 IT 502	2021-22	Core Course	Bachelor	Information Technology	3	10-02-2022 00:00:00	30-04-2022 00:00:00	80	45
85	Data Science	50 IT 601	2020-21	Core Course	Bachelor	Information Technology	4	27-09-2021 00:00:00	27-11-2021 00:00:00	62	60
86	Machine Learning	50 IT 603	2021-22	Core Course	Bachelor	Information Technology	3	10-02-2022 00:00:00	30-04-2022 00:00:00	80	45
87	Cloud Computing	50 IT 702	2021-22	Core Course	Bachelor	Information Technology	3	06-09-2021 00:00:00	27-11-2021 00:00:00	83	45
88	Network Security	50 IT 703	2021-22	Core Course	Bachelor	Information Technology	4	25-09-2021 00:00:00	27-11-2021 00:00:00	64	60

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	Total Duration of the Course (in Days)	Total Number of Contact Hours of the Course
89	Embedded Systems	50 EC 602	2021-22	Core Course	Bachelor	Electronics and Communication Engineering	3	07-03-2022 00:00:00	16-06-2022 00:00:00	102	45
90	Machine Learning Techniques	50 EC 603	2021-22	Core Course	Bachelor	Electronics and Communication Engineering	3	07-03-2022 00:00:00	16-06-2022 00:00:00	102	45
91	Biomedical Electronics	50 EC E11	2021-22	Elective Course	Bachelor	Electronics and Communication Engineering	3	09-08-2021 00:00:00	27-11-2021 00:00:00	111	45
92	Digital Image Processing	50 EC E21	2021-22	Elective Course	Bachelor	Electronics and Communication Engineering	3	09-08-2021 00:00:00	27-11-2021 00:00:00	111	45
93	Robotics	50 EC E23	2021-22	Elective Course	Bachelor	Electronics and Communication Engineering	3	07-03-2022 00:00:00	16-06-2022 00:00:00	102	45
94	Optoelectronic Devices	50 EC E43	2021-22	Elective Course	Bachelor	Electronics and Communication Engineering	3	09-08-2021 00:00:00	27-11-2021 00:00:00	111	45
95	High Speed Networks	50 EC E47	2021-22	Elective Course	Bachelor	Electronics and Communication Engineering	3	09-08-2021 00:00:00	27-11-2021 00:00:00	111	45

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	Total Duration of the Course (in Days)	Total Number of Contact Hours of the Course
96	Wearable Devices	50 EC L02	2021-22	Elective Course		Electronics and Communication Engineering	3	03-08-2021 00:00:00	27-11-2021 00:00:00	117	45
97	Next Generation Wireless Networks	50 EC L03	2021-22	Elective Course	Bachelor	Electronics and Communication Engineering	3	07-03-2022 00:00:00	16-06-2022 00:00:00	102	45
98	5G Technology	50 EC L05	2021-22	Elective Course	Bachelor	Electronics and Communication Engineering	3	09-08-2021 00:00:00	27-11-2021 00:00:00	111	45
99	Long Range (LoRa) Wireless Communication for IoT Applications	50 EC SE01	2021-22	Elective Course	Bachelor	Electronics and Communication Engineering	3	09-08-2021 00:00:00	27-11-2021 00:00:00	111	45
100	Food Product and Development	50 BT SC12	2021-22	Core Course	Bachelor	Biotechnology	3	13-12-2021 00:00:00	18-12-2021 00:00:00	6	30
101	Start ups and Entrepreneurship	50 MY 014	2021-22	Elective Course	Bachelor	Biotechnology	3	09-08-2021 00:00:00	27-11-2021 00:00:00	111	30

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	Total Duration of the Course (in Days)	Total Number of Contact Hours of the Course
102	Bioethics and Biosafety	51 BT 801	2021-22	Core Course	Bachelor	Biotechnology	3	09-08-2021 00:00:00	27-11-2021 00:00:00	111	45
103	Intellectual Property Rights Biosafety and Bioethics	50 PDB 305	2021-22	Core Course	Master	Biotechnology	2	07-03-2022 00:00:00	11-06-2022 00:00:00	97	45
104	Bioentrepreneurship	50 PDB 302	2021-22	Core Course	Master	Biotechnology	3	07-03-2022 00:00:00	11-06-2022 00:00:00	97	45
105	IPR and Biosafety	50 PBT 301 I	2020-21	Core Course	Master	Biotechnology	3	18-01-2021 00:00:00	08-05-2021 00:00:00	111	45
106	Molecular Modeling and Drug design	50 BT 602	2021-22	Core Course	Bachelor	Biotechnology	3	09-08-2021 00:00:00	27-11-2021 00:00:00	111	45
107	Agricultural Biotechnology	50 BTE 45	2020-21	Elective Course	Bachelor	Biotechnology	3	09-08-2021 00:00:00	27-11-2021 00:00:00	111	45
108	Biofuel Technology	50 BTE 56	2020-21	Elective Course	Bachelor	Biotechnology	3	09-08-2021 00:00:00	27-11-2021 00:00:00	111	45

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	Total Duration of the Course (in Days)	Total Number of Contact Hours of the Course
109	Start ups and Entrepreneurship	50 MY 014	2020-21	Elective Course	Bachelor	Mechatronics Engineering	3	18-01-2021 00:00:00	08-05-2021 00:00:00	111	45
110	Research Skill Development -I	50 AC 001	2020-21	Elective Course	Bachelor	Mechatronics Engineering	3	15-07-2020 00:00:00	31-10-2020 00:00:00	109	10
111	Research Skill Development -II	50 AC 002	2020-21	Elective Course	Bachelor	Mechatronics Engineering	3	18-01-2021 00:00:00	10-05-2021 00:00:00	113	15
112	Total Quality Management	50 HS 003	2020-21	Elective Course	Bachelor	Mechatronics Engineering	3	18-01-2021 00:00:00	08-05-2021 00:00:00	111	45
113	Start ups and Entrepreneurship	50 MY 014	2021-22	Elective Course	Bachelor	Mechatronics Engineering	3	07-03-2022 00:00:00	11-06-2022 00:00:00	97	45
114	Total Quality Management	50 HS 003	2021-22	Elective Course	Bachelor	Mechatronics Engineering	3	07-03-2022 00:00:00	11-06-2022 00:00:00	97	45
115	Research Methodology and IPR	50 PIS 103	2020-21	Core Course	Master	Industrial Safety Engineering	2	30-11-2020 00:00:00	06-03-2021 00:00:00	97	30

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	Total Duration of the Course (in Days)	Total Number of Contact Hours of the Course
116	Research Skill Development - I	50 AC 001	2020-21	Elective Course	,Bachelor	Textile Technology	3	15-07-2020 00:00:00	30-10-2020 00:00:00	108	45
117	Research Skill Development - II	50 AC 002	2020-21	Elective Course	,Bachelor	Textile Technology	3	18-01-2021 00:00:00	08-05-2021 00:00:00	111	45
118	Start-ups and Entrepreneurship	50 MY 014	2020-21	Elective Course	Bachelor	Textile Technology	3	18-01-2021 00:00:00	08-05-2021 00:00:00	111	45
119	Fibre Science	50 TT 301	2021-22	Core Course	Bachelor	Textile Technology	3	26-07-2021 00:00:00	12-11-2021 00:00:00	110	45
120	Structure and Properties of Fibers	50 TT 302	2020-21	Core Course	Bachelor	Textile Technology	3	15-07-2020 00:00:00	31-10-2020 00:00:00	109	45
121	Yarn Manufacturing Technology I	50 TT 303	2020-21	Core Course	Bachelor	Textile Technology	3	15-07-2020 00:00:00	31-10-2020 00:00:00	109	45
122	Yarn Manufacturing Technology II	50 TT 401	2020-21	Core Course	Bachelor	Textile Technology	3	18-01-2021 00:00:00	08-05-2021 00:00:00	111	45

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	Total Duration of the Course (in Days)	Total Number of Contact Hours of the Course
123	Fabric Manufacturing Technology II	50 TT 402	2020-21	Core Course	Bachelor	Textile Technology	3	18-01-2021 00:00:00	08-05-2021 00:00:00	111	45
124	Textile Chemical Processing I	50 TT 403	2021-22	Core Course	Bachelor	Textile Technology	3	07-03-2022 00:00:00	16-06-2022 00:00:00	102	45
125	Knitting Technology	50 TT 501	2020-21	Core Course	Bachelor	Textile Technology	3	15-07-2020 00:00:00	31-10-2020 00:00:00	109	45
126	Knitting Technology	50 TT 501	2021-22	Core Course	Bachelor	Textile Technology	3	26-07-2021 00:00:00	12-11-2021 00:00:00	110	45
127	Textile Chemical Processing II	50 TT 502	2020-21	Core Course	,Bachelor	Textile Technology	3	15-07-2020 00:00:00	31-10-2020 00:00:00	109	45
128	Woven Fabric Structure	50 TT 503	2020-21	Core Course	Bachelor	Textile Technology	3	15-07-2020 00:00:00	31-10-2020 00:00:00	109	45
129	Textile and Apparel Quality Evaluation	50 TT 601	2021-22	Core Course	Bachelor	Textile Technology	3	07-03-2022 00:00:00	16-06-2022 00:00:00	102	45

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	Total Duration of the Course (in Days)	Total Number of Contact Hours of the Course
130	Garment Manufacturing Technology I	50 TT 602	2021-22	Core Course	Bachelor	Textile Technology	3	07-03-2022 00:00:00	16-06-2022 00:00:00	102	45
131	Technical Textiles	50 TT 604	2020-21	Core Course	Bachelor	Textile Technology	3	09-01-2021 00:00:00	08-05-2021 00:00:00	120	45
132	Nonwoven Technology	50 TT 603	2021-22	Core Course	Bachelor	Textile Technology	3	07-03-2022 00:00:00	16-06-2022 00:00:00	102	45
133	Technical Textiles	50 TT 604	2021-22	Core Course	Bachelor	Textile Technology	3	07-03-2022 00:00:00	16-06-2022 00:00:00	102	45
134	Garment Manufacturing Technology II	50 TT 701	2020-21	Core Course	Bachelor	Textile Technology	3	15-07-2020 00:00:00	31-10-2020 00:00:00	109	45
135	Garment Manufacturing Technology II	50 TT 701	2021-22	Core Course	Bachelor	Textile Technology	3	26-07-2021 00:00:00	12-11-2021 00:00:00	110	45

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	Total Duration of the Course (in Days)	Total Number of Contact Hours of the Course
136	Financial Management and Costing for Textile and Apparel Industry	50 TT 702	2021-22	Core Course	Bachelor	Textile Technology	3	26-07-2021 00:00:00	12-11-2021 00:00:00	110	45
137	Financial Management and Costing for Textile and Apparel Industry	50 TT 702	2020-21	Core Course	Bachelor	Textile Technology	3	15-07-2020 00:00:00	31-10-2020 00:00:00	109	45
138	Apparel Marketing and Merchandising	50 TT E 25	2021-22	Elective Course	Bachelor	Textile Technology	3	07-03-2022 00:00:00	16-06-2022 00:00:00	102	45
139	Apparel Marketing and Merchandising	50 TT E 25	2020-21	Elective Course	Bachelor	Textile Technology	3	18-01-2021 00:00:00	08-05-2021 00:00:00	111	45
140	Sustainable Textiles	50 TT E 33	2021-22	Elective Course	,Bachelor	Textile Technology	3	26-07-2021 00:00:00	12-11-2021 00:00:00	110	45
141	Sustainable Textiles	50 TT E 33	2020-21	Elective Course	Bachelor	Textile Technology	3	15-07-2020 00:00:00	31-10-2020 00:00:00	109	45

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	Total Duration of the Course (in Days)	Total Number of Contact Hours of the Course
142	Production and Operations Management	50 TT E 34	2020-21	Elective Course	,Bachelor	Textile Technology	3	15-07-2020 00:00:00	31-10-2020 00:00:00	109	45
143	Production and Operations Management	50 TT E 34	2021-22	Elective Course	,Bachelor	Textile Technology	3	26-07-2021 00:00:00	12-11-2021 00:00:00	110	45
144	Clothing Science	50 TT E 41	2020-21	Elective Course	Bachelor	Textile Technology	3	18-01-2021 00:00:00	08-05-2021 00:00:00	111	45
145	Clothing Science	50 TT E 41	2021-22	Elective Course	Bachelor	Textile Technology	3	07-03-2022 00:00:00	16-06-2022 00:00:00	102	45
146	Home Textiles	50 TT E15	2021-22	Elective Course	,Bachelor	Textile Technology	3	26-07-2021 00:00:00	12-11-2021 00:00:00	110	45
147	Home Textiles	50 TT E15	2020-21	Elective Course	Bachelor	Textile Technology	3	15-07-2020 00:00:00	31-10-2020 00:00:00	109	45
148	International Business Management	50 MB 3G1	2020-21	Elective Course	Master	Master of Business Administration	3	15-07-2020 00:00:00	31-10-2020 00:00:00	109	45

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	Total Duration of the Course (in Days)	Total Number of Contact Hours of the Course
149	Entrepreneurship Development	50 MB 3G2	2020-21	Elective Course	Master	Master of Business Administration	3	15-07-2020 00:00:00	31-10-2020 00:00:00	109	45
150	Intellectual Property Rights	50 MB L02	2020-21	Elective Course	Bachelor	Master of Business Administration	3	15-07-2020 00:00:00	31-10-2020 00:00:00	109	45
151	Entrepreneurship Development	50 MB L01	2020-21	Elective Course	Bachelor	Master of Business Administration	3	18-01-2021 00:00:00	30-04-2021 00:00:00	103	45
152	Tourism and Hospitality Management	50 MB 4G4	2020-21	Elective Course	Master	Master of Business Administration	3	09-01-2021 00:00:00	08-05-2021 00:00:00	120	45
153	Hospital Management	50 MB 4G5	2020-21	Elective Course	Master	Master of Business Administration	3	18-01-2021 00:00:00	08-05-2021 00:00:00	111	45
154	Creativity and Innovation	50 MB 4G6	2020-21	Elective Course	Master	Master of Business Administration	3	09-01-2021 00:00:00	08-05-2021 00:00:00	120	45
155	Managerial Economics	50 MB 103	2021-22	Core Course	Master	Master of Business Administration	4	13-11-2021 00:00:00	12-03-2022 00:00:00	120	45

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	Total Duration of the Course (in Days)	Total Number of Contact Hours of the Course
156	Accounting for Management	50 MB 104	2021-22	Core Course	Master	Master of Business Administration	4	24-11-2021 00:00:00	12-03-2022 00:00:00	109	45
157	Legal Aspects of Business	50 MB 105	2021-22	Core Course	Master	Master of Business Administration	3	24-11-2021 00:00:00	12-03-2022 00:00:00	109	45
158	Operations Management	50 MB 202	2021-22	Core Course	Master	Master of Business Administration	4	04-04-2022 00:00:00	14-07-2022 00:00:00	102	45
159	Human Resource Management	50 MB 203	2021-22	Core Course	Master	Master of Business Administration	3	04-04-2022 00:00:00	14-07-2022 00:00:00	102	45
160	Marketing Management	50 MB 204	2021-22	Core Course	Master	Master of Business Administration	3	04-04-2022 00:00:00	14-07-2022 00:00:00	102	45
161	Corporate Finance	50 MB 205	2021-22	Core Course	Master	Master of Business Administration	3	04-04-2022 00:00:00	14-07-2022 00:00:00	102	45
162	Indian Ethos and Business Ethics	50 MB 206	2021-22	Core Course	Master	Master of Business Administration	3	04-04-2022 00:00:00	14-07-2022 00:00:00	102	45

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	Total Duration of the Course (in Days)	Total Number of Contact Hours of the Course
163	Strategic Management	50 MB 301	2021-22	Core Course	Master	Master of Business Administration	3	20-09-2021 00:00:00	28-12-2021 00:00:00	100	45
164	Corporate Governance	50 MB 401	2021-22	Core Course	Master	Master of Business Administration	3	07-03-2022 00:00:00	19-05-2022 00:00:00	74	45
165	International Financial Management	50 MB 3F1	2021-22	Elective Course	Master	Master of Business Administration	3	28-09-2021 00:00:00	28-12-2021 00:00:00	92	45
166	Brand Management	50 MB 3M1	2021-22	Elective Course	Master	Master of Business Administration	3	28-09-2021 00:00:00	28-12-2021 00:00:00	92	45
167	Advertising and Sales Promotion	50 MB 3M2	2021-22	Elective Course	Master	Master of Business Administration	3	20-09-2021 00:00:00	28-12-2021 00:00:00	100	45
168	Industrial Relations and Labour Welfare	50 MB 3H1	2021-22	Elective Course	Master	Master of Business Administration	3	20-09-2021 00:00:00	28-12-2021 00:00:00	100	45
169	Commercial Bank Management	50 MB 4F4	2021-22	Elective Course	Master	Master of Business Administration	3	07-03-2022 00:00:00	19-05-2022 00:00:00	74	45

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	Total Duration of the Course (in Days)	Total Number of Contact Hours of the Course
170	Sales and Distribution Management	50 MB 4M5	2021-22	Elective Course	Master	Master of Business Administration	3	07-03-2022 00:00:00	19-05-2022 00:00:00	74	45
171	Consumer Behaviour	50 MB 4M6	2021-22	Elective Course	Master	Master of Business Administration	3	07-03-2022 00:00:00	19-05-2022 00:00:00	74	45

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	Total Duration of the Course (in Days)	
1	Techniques in Microbiology and Molecular biology	2021-22	Short-term Certificate Program	Self Sponsored/Supported	NanoScience and Technology	16-02-2022 00:00:00	19-02-2022 00:00:00	4	

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	Total Duration of the Course (in Days)	
2	MATLAB Programming-Basics	2021-22	Short-term Certificate Program	Self Sponsored/Supported	NanoScience and Technology	27-12-2021 00:00:00	31-12-2021 00:00:00	5	4
3	Synthesis and Applications of Carbon Nanotubes	2020-21	Short-term Certificate Program	Self Sponsored/Supported	NanoScience and Technology	22-05-2021 00:00:00	29-05-2021 00:00:00	8	3
4	EDII Schemes for Budding Entrepreneurs	2021-22	Entrepreneurship Development Program (EDP)	Self Sponsored/Supported	Mechanical Engineering	03-12-2021 00:00:00	07-12-2021 00:00:00	5	4
5	Entrepreneurial Ideas for Mechanical Engineers	2021-22	Entrepreneurship Development Program (EDP)	Self Sponsored/Supported	Mechanical Engineering	04-04-2022 00:00:00	08-04-2022 00:00:00	5	4
6	Future of Mechanical Engineering with AI	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	Mechanical Engineering	17-06-2020 00:00:00	20-06-2020 00:00:00	4	3
7	EDP on Awaken the entrepreneur in you	2020-21	Entrepreneurship Development Program (EDP)	Self Sponsored/Supported	Electronics and Communication Engineering	21-09-2020 00:00:00	25-09-2020 00:00:00	5	3

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	Total Duration of the Course (in Days)
8	EDP on Build your own business	2021-22	Entrepreneurship Development Program (EDP)	Self Sponsored/Supported	Electronics and Communication Engineering	31-08-2021 00:00:00	04-09-2021 00:00:00	5
9	Short-term Certificate Program on Research Innovations	2020-21	Short-term Certificate Program	Self Sponsored/Supported	Electronics and Communication Engineering	07-03-2021 00:00:00	12-03-2021 00:00:00	6
10	FDP on Intellectual Property Rights	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	Electronics and Communication Engineering	25-04-2022 00:00:00	29-04-2022 00:00:00	5
11	Audesk Fusion 360	2021-22	Short-term Certificate Program	Self Sponsored/Supported	Mechatronics Engineering	27-09-2021 00:00:00	01-10-2021 00:00:00	5
12	Hands on Training for Creo 3	2021-22	Short-term Certificate Program	Self Sponsored/Supported	Mechatronics Engineering	27-12-2021 00:00:00	31-12-2021 00:00:00	5
13	Hands on Training for 3D Printer	2021-22	Short-term Certificate Program	Self Sponsored/Supported	Mechatronics Engineering	27-12-2021 00:00:00	31-12-2021 00:00:00	5

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	Total Duration of the Course (in Days)	
14	Embedded System	2020-21	Short-term Certificate Program	Self Sponsored/Supported	Mechatronics Engineering	03-08-2020 00:00:00	15-08-2020 00:00:00	13	
15	Hands on Training for Creo 3	2020-21	Short-term Certificate Program	Self Sponsored/Supported	Mechatronics Engineering	22-09-2020 00:00:00	09-10-2020 00:00:00	18	
16	Industrial Automation	2020-21	Short-term Certificate Program	Self Sponsored/Supported	Mechatronics Engineering	03-03-2021 00:00:00	20-03-2021 00:00:00	18	
17	Smart Materials for Intelligent Future Industrial and Defence Perspective	2020-21	Short-term Certificate Program	Central Govt. Agency	Mechanical Engineering	17-08-2020 00:00:00	22-08-2020 00:00:00	6	
18	Smart Materials for Intelligent Future Industrial and Defence Perspective	2020-21	Short-term Certificate Program	Central Govt. Agency	Mechanical Engineering	14-09-2020 00:00:00	19-09-2020 00:00:00	6	

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	Total Duration of the Course (in Days)	
19	Smart Materials for Intelligent Future Industrial and Defence Perspective	2020-21	Short-term Certificate Program	Central Govt. Agency	Mechanical Engineering	12-10-2020 00:00:00	17-10-2020 00:00:00	6	4
20	Practical Approaches for Next Generation Sequencing Technologies and Data Analysis towards Health care	2020-21	Short-term Certificate Program	Central Govt. Agency	Biotechnology	21-12-2020 00:00:00	26-12-2020 00:00:00	6	5
21	Practical Approaches for Next Generation Sequencing Technologies and Data Analysis towards Health care	2020-21	Short-term Certificate Program	Central Govt. Agency	Biotechnology	04-01-2021 00:00:00	09-01-2021 00:00:00	6	5

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	Total Duration of the Course (in Days)	
22	Practical Approaches for Next Generation Sequencing Technologies and Data Analysis towards Health care	2020-21	Short-term Certificate Program	Central Govt. Agency	Biotechnology	08-01-2021 00:00:00	23-01-2021 00:00:00	16	5
23	Virtual course on Research methodology	2020-21	Faculty Development Program (FDP)	Industry/Non-Govt.	Biotechnology	08-06-2020 00:00:00	20-06-2020 00:00:00	13	7
24	Advanced Mechanics of Materials Phase II	2020-21	Short-term Certificate Program	Central Govt. Agency	Civil Engineering	23-11-2020 00:00:00	28-11-2020 00:00:00	6	3
25	Advanced Mechanics of Materials Phase I	2020-21	Short-term Certificate Program	Central Govt. Agency	Civil Engineering	02-11-2020 00:00:00	07-11-2020 00:00:00	6	3
26	Advanced Mechanics of Materials Phase III	2020-21	Short-term Certificate Program	Central Govt. Agency	Civil Engineering	07-12-2020 00:00:00	12-12-2020 00:00:00	6	3

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	Total Duration of the Course (in Days)	
27	Green Rating	2020-21	Short-term Certificate Program	Self Sponsored/Supported	Civil Engineering	23-12-2020 00:00:00	26-12-2020 00:00:00	4	
28	Innovative Water and Wastewater Treatment Technologies	2021-22	Short-term Certificate Program	Self Sponsored/Supported	Civil Engineering	15-11-2021 00:00:00	19-11-2021 00:00:00	5	
29	Entreprenurship Opportunities in Building Sciences	2021-22	Short-term Certificate Program	Self Sponsored/Supported	Civil Engineering	25-10-2021 00:00:00	29-10-2021 00:00:00	5	
30	Hands on Training on Revit Architecture	2021-22	Short-term Certificate Program	Self Sponsored/Supported	Civil Engineering	27-09-2021 00:00:00	01-10-2021 00:00:00	5	
31	Training on Sketch up	2021-22	Short-term Certificate Program	Self Sponsored/Supported	Civil Engineering	22-12-2021 00:00:00	25-12-2021 00:00:00	4	
32	Hands on Training on Building Information Modelling	2021-22	Short-term Certificate Program	Self Sponsored/Supported	Civil Engineering	07-03-2022 00:00:00	10-03-2022 00:00:00	4	

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	Total Duration of the Course (in Days)	
33	Entreprenuership oppurtunities To solve local problems	2020-21	Entrepreneurship Development Program (EDP)	Self Sponsored/Supported	Food Technology	02-12-2020 00:00:00	07-12-2020 00:00:00	6	
34	MERN Stack Developer	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	Information Technology	15-06-2020 00:00:00	19-06-2020 00:00:00	5	
35	Block Chain and Artificial Intelligence Towards the Next Big Technological Revolution	2020-21	Short-term Certificate Program	Central Govt. Agency	Information Technology	16-11-2020 00:00:00	21-11-2020 00:00:00	6	
36	Block Chain and Artificial Intelligence Towards the Next Big Technological Revolution	2020-21	Short-term Certificate Program	Central Govt. Agency	Information Technology	30-11-2020 00:00:00	05-12-2020 00:00:00	6	

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	Total Duration of the Course (in Days)	
37	Block Chain and Artificial Intelligence Towards the Next Big Technological Revolution	2020-21	Short-term Certificate Program	Central Govt. Agency	Information Technology	14-12-2020 00:00:00	19-12-2020 00:00:00	6	4
38	Challenges and Opportunities of Data Science in Smart Healthcare Turning Data into Clinical Intelligence	2020-21	Faculty Development Program (FDP)	Central Govt. Agency	Information Technology	16-04-2021 00:00:00	29-04-2021 00:00:00	14	9
39	3D Animation	2020-21	Management Development Program (MDP)	Self Sponsored/Supported	Information Technology	29-04-2020 00:00:00	05-05-2020 00:00:00	7	3
40	Innovative Techniques for Statistical Data Analysis Using R Programming	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	Information Technology	31-05-2021 00:00:00	05-06-2021 00:00:00	6	4

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	Total Duration of the Course (in Days)	
41	Spark	2020-21	Short-term Certificate Program	Self Sponsored/Supported	Information Technology	13-08-2020 00:00:00	16-08-2020 00:00:00	4	
42	3D Animation	2021-22	Management Development Program (MDP)	Self Sponsored/Supported	Information Technology	28-06-2021 00:00:00	02-07-2021 00:00:00	5	
43	Blockchain and its Applications	2021-22	Short-term Certificate Program	Self Sponsored/Supported	Information Technology	27-12-2021 00:00:00	31-12-2021 00:00:00	5	
44	ATAL Sponsored FDP on Quantum Computing	2020-21	Faculty Development Program (FDP)	Central Govt. Agency	Computer Science and Engineering	04-01-2021 00:00:00	08-01-2021 00:00:00	5	
45	Database Mangement Systems	2021-22	Short-term Certificate Program	Self Sponsored/Supported	Compuetr Science and Engineering	08-03-2021 00:00:00	12-03-2021 00:00:00	5	
46	Software Testing	2021-22	Short-term Certificate Program	Self Sponsored/Supported	Compuetr Science and Engineering	15-04-2021 00:00:00	18-04-2021 00:00:00	4	

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	Total Duration of the Course (in Days)	
47	Creation of Startups in campuses Adopting Experiential Pedagogical Teaching Methods	2021-22	Short-term Certificate Program	Central Govt. Agency	Master of business Administration	18-07-2022 00:00:00	23-07-2022 00:00:00	6	
48	Revival Strategies for Turnround of Indian Economy from Management perspective	2021-22	Faculty Development Program (FDP)	Central Govt. Agency	Master of business Administration	06-09-2021 00:00:00	18-09-2021 00:00:00	13	
49	Data Analytics using SPSS	2021-22	Short-term Certificate Program	Self Sponsored/Supported	Master of business Administration	20-06-2022 00:00:00	24-06-2022 00:00:00	5	
50	Alumni Web series for Entrepreneurship	2021-22	Entrepreneurship Development Program (EDP)	Self Sponsored/Supported	Master of business Administration	28-02-2022 00:00:00	04-03-2022 00:00:00	5	

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	Total Duration of the Course (in Days)	
51	Challenges and opportunities in Execution of artificial Intelligence for Electric Vehicle design	2020-21	Faculty Development Program (FDP)	Central Govt. Agency	Electrical and Electronics Engineering	04-01-2021 00:00:00	08-01-2021 00:00:00	5	4
52	Power Electronics For Renewable Energy Systems	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	Electrical and Electronics Engineering	19-10-2020 00:00:00	23-10-2020 00:00:00	5	3
53	Transmission and Distribution	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	Electrical and Electronics Engineering	12-07-2021 00:00:00	16-07-2021 00:00:00	5	4
54	Recent Trends On Renewable Energy And Power Electronics Using MATLAB	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	Electrical and Electronics Engineering	11-04-2022 00:00:00	15-04-2022 00:00:00	5	3
55	Soft skill training	2020-21	Short-term Certificate Program	Self Sponsored/Supported	Textile Technology	05-02-2020 00:00:00	09-02-2020 00:00:00	5	4

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	Total Duration of the Course (in Days)	
56	A present situation in India and China	2020-21	Short-term Certificate Program	Self Sponsored/Supported	Textile Technology	21-04-2020 00:00:00	25-04-2020 00:00:00	5	4
57	Basic knowledge in Textile Industries	2020-21	Short-term Certificate Program	Self Sponsored/Supported	Textile Technology	22-04-2020 00:00:00	27-04-2020 00:00:00	6	4
58	Electro spinning for production of Nanofibre	2020-21	Short-term Certificate Program	Self Sponsored/Supported	Textile Technology	25-04-2020 00:00:00	30-04-2020 00:00:00	6	4
59	Fashion Innovation	2020-21	Short-term Certificate Program	Self Sponsored/Supported	Textile Technology	29-04-2020 00:00:00	02-05-2020 00:00:00	4	4
60	Scope for Fashion Engineers	2020-21	Entrepreneurship Development Program (EDP)	Self Sponsored/Supported	Textile Technology	05-05-2020 00:00:00	10-05-2020 00:00:00	6	4
61	ERP for Textile and Apparel Industry	2020-21	Entrepreneurship Development Program (EDP)	Self Sponsored/Supported	Textile Technology	26-05-2020 00:00:00	30-05-2020 00:00:00	5	5

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	Total Duration of the Course (in Days)	
62	Sustainable technology for Textile processing	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	Textile Technology	30-05-2020 00:00:00	03-06-2020 00:00:00	5	4
63	Safety Measures in Textile Industry	2020-21	Short-term Certificate Program	Self Sponsored/Supported	Textile Technology	30-11-2020 00:00:00	05-12-2020 00:00:00	6	4
64	Sustainable Innovation in Textile Products	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	Textile Technology	07-12-2020 00:00:00	12-12-2020 00:00:00	6	5
65	Auxetic and Multiscale FRP composites	2020-21	Short-term Certificate Program	Self Sponsored/Supported	Textile Technology	19-12-2020 00:00:00	24-12-2020 00:00:00	6	4
66	Challenges For Start Ups and Entrepreneurship In Medical Textile	2020-21	Entrepreneurship Development Program (EDP)	Self Sponsored/Supported	Textile Technology	06-02-2021 00:00:00	10-02-2021 00:00:00	5	4
67	Innovation in Technical Textile and its Application	2020-21	Short-term Certificate Program	Self Sponsored/Supported	Textile Technology	03-03-2021 00:00:00	08-03-2021 00:00:00	6	4

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	Total Duration of the Course (in Days)	
68	Awareness on Intellectual Property Rights	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	Textile Technology	03-04-2021 00:00:00	07-04-2021 00:00:00	5	4
69	Innovative Advertising Approach to Build Brand Equity	2020-21	Short-term Certificate Program	Self Sponsored/Supported	Textile Technology	14-05-2021 00:00:00	19-05-2021 00:00:00	6	4
70	Innovative Industry Design for Beginners	2020-21	Short-term Certificate Program	Self Sponsored/Supported	Textile Technology	15-05-2021 00:00:00	20-05-2021 00:00:00	6	4
71	Innovation in IE and Planning in Garment Industry	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	Textile Technology	25-05-2021 00:00:00	29-05-2021 00:00:00	5	4
72	Starts ups in Merchandising 4	2020-21	Entrepreneurship Development Program (EDP)	Self Sponsored/Supported	Textile Technology	26-05-2021 00:00:00	31-05-2021 00:00:00	6	4
73	Entrepreneurship in Textile Industry	2020-21	Entrepreneurship Development Program (EDP)	Self Sponsored/Supported	Textile Technology	27-05-2021 00:00:00	01-06-2021 00:00:00	6	4

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	Total Duration of the Course (in Days)	
74	Application of Lean Manufacturing System in Apparel Industry	2020-21	Entrepreneurship Development Program (EDP)	Self Sponsored/Supported	Textile Technology	27-05-2021 00:00:00	01-06-2021 00:00:00	6	4
75	Innovation and Entrepreneurship in Fashion Industry	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	Textile Technology	16-06-2021 00:00:00	21-06-2021 00:00:00	6	4
76	Fabrics for Fashionable Garments	2021-22	Entrepreneurship Development Program (EDP)	Self Sponsored/Supported	Textile Technology	21-06-2021 00:00:00	26-06-2021 00:00:00	6	4
77	Fashionable Garments	2021-22	Entrepreneurship Development Program (EDP)	Self Sponsored/Supported	Textile Technology	23-06-2021 00:00:00	28-06-2021 00:00:00	6	4
78	Fashion Trends in Global Market	2021-22	Entrepreneurship Development Program (EDP)	Self Sponsored/Supported	Textile Technology	24-06-2021 00:00:00	29-06-2021 00:00:00	6	4
79	Career Opportunities in Textiles and Fashion	2021-22	Entrepreneurship Development Program (EDP)	Self Sponsored/Supported	Textile Technology	25-06-2021 00:00:00	30-06-2021 00:00:00	6	4

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	Total Duration of the Course (in Days)	
80	Innovation in Natural Reinforced Composites	2021-22	Entrepreneurship Development Program (EDP)	Self Sponsored/Supported	Textile Technology	22-07-2021 00:00:00	26-07-2021 00:00:00	5	4
81	Power of Failures in Entrepreneurship development	2021-22	Entrepreneurship Development Program (EDP)	Self Sponsored/Supported	Textile Technology	24-07-2021 00:00:00	29-07-2021 00:00:00	6	4
82	Basic Textiles	2020-21	Short-term Certificate Program	Self Sponsored/Supported	Textile Technology	20-04-2020 00:00:00	25-04-2020 00:00:00	6	4
83	Fashion Design	2020-21	Short-term Certificate Program	Self Sponsored/Supported	Textile Technology	29-04-2020 00:00:00	05-05-2020 00:00:00	7	4
84	Chemical Processing of Textile Goods	2020-21	Short-term Certificate Program	Self Sponsored/Supported	Textile Technology	05-05-2020 00:00:00	08-05-2020 00:00:00	4	4
85	Sustainable Technologies in Textile Processing	2020-21	Short-term Certificate Program	Self Sponsored/Supported	Textile Technology	26-05-2020 00:00:00	30-05-2020 00:00:00	5	4

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	Total Duration of the Course (in Days)	
86	Denim Colouration	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	Textile Technology	24-06-2020 00:00:00	27-06-2020 00:00:00	4	4
87	Critical Thinking and Innovation Design	2020-21	Short-term Certificate Program	Self Sponsored/Supported	Textile Technology	31-12-2020 00:00:00	05-01-2021 00:00:00	6	4
88	AICTE-ISTE Induction Refresher Programme on Advance Ecological techniques in Textile Chemical Processing for Sustainable Development	2020-21	Short-term Certificate Program	Self Sponsored/Supported	Textile Technology	12-03-2021 00:00:00	18-03-2021 00:00:00	7	4

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	Total Duration of the Course (in Days)	
89	AICTE-ISTE Induction Refresher Programme on Advance Ecological techniques in Textile Chemical Processing for Sustainable Development	2020-21	Short-term Certificate Program	Self Sponsored/Supported	Textile Technology	07-04-2021 00:00:00	13-04-2021 00:00:00	7	4
90	AICTE-ISTE Induction Refresher Programme on Advance Ecological techniques in Textile Chemical Processing for Sustainable Development	2020-21	Short-term Certificate Program	Self Sponsored/Supported	Textile Technology	23-04-2021 00:00:00	29-04-2021 00:00:00	7	4
91	Innovation in Textile Composites	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	Textile Technology	22-07-2021 00:00:00	27-07-2021 00:00:00	6	4

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	EDC	EDC	Dr.N.Tiruvenkadam	9944672671	tiruvenkadam@ksrct.ac.in	Mentoring Support,Seed Grant Support,Pre-Incubation Facility Support (Idea to Prototype and Innovative Business Plan Development)
2	Innovation Cell	Innovation Cell	Dr.A.Murugesan	9443090331	hodmech@ksrct.ac.in	Mentoring Support,Seed Grant Support,Pre-Incubation Facility Support (Idea to Prototype and Innovative Business Plan Development)
3	AICTE-IDEALab	KSRCT-AICTE IDEA LAB	Dr.A.Kumaravel	9443553626	kumaravel@ksrct.ac.in	Mentoring Support,Seed Grant Support,Pre-Incubation Facility Support (Idea to Prototype and Innovative Business Plan Development)

Sr. No.	Type of the Unit	Name of Unit	In-charge Name	Contact no	Email	Govt. Schemes
4	Innovation Cell	Centre for Plant Tissue Culture	Dr.J.Philip Robinson	9443989963	philip@ksrct.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
5	Innovation Cell	Centre for Environmental Toxicology	Dr.S.Poornima	9994625815	spoornima@ksrct.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
6	Start-Up Cell	Centre for Bio Energy	Dr.K.Syed Zameer Ahmed	8925606633	syedzameerahmed@ksrct.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

Sr. No.	Type of the Unit	Name of Unit	In-charge Name	Contact no	Email	Govt. Schemes
7	Start-Up Cell	Centre for Business Excellence	Dr.M.Ramakrishnan	9894385805	ramakrishnan@ksrct.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
8	Start-Up Cell	Centre for Food Processing	Mr.G.Bharath	9047976171	bharathg@ksrct.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
9	Innovation Cell	Centre for Garment Design	Dr.M.BHARANI	989411384	bharanim@ksrct.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

Sr. No.	Type of the Unit	Name of Unit	In-charge Name	Contact no	Email	Govt. Schemes
10	Start-Up Cell	Centre for AIOT	Dr.B.Kalpana	9894332421	kalpana@ksrct.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
11	Innovation Cell	Center for Material Characterization	DR.A.KARTHIK	9789111450	karthik@ksrct.ac.in	Mentoring Support,Seed Grant Support,Pre-Incubation Facility Support (Idea to Prototype and Innovative Business Plan Development)
12	Innovation Cell	Center for Additive Manufacturing	Mr.M.Prasath	9788206877	prasathm@ksrct.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

Sr. No.	Type of the Unit	Name of Unit	In-charge Name	Contact no	Email	Govt. Schemes
13	Innovation Cell	center for Construction Materials Testing	Dr.R.JAGADEESAN	9842719542	jagadeesan@ksrct.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
14	Innovation Cell	Center for Design and Development of Go-kart vehicles	Mr.C.Ramesh	9629767778	rameshc@ksrct.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
15	Innovation Cell	Center for Environmental Technology	Dr.P.MAGESHKUMAR	9894985719	mageshkumarp@ksrct.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

Sr. No.	Type of the Unit	Name of Unit	In-charge Name	Contact no	Email	Govt. Schemes
16	Innovation Cell	Center for Soil Investigation	Dr.D.SIVA KUMAR	9003807090	sivakumard@ksrct.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
17	Start-Up Cell	Center for Design and Development of Go-Kart Vehicles	C.RAMESH	9629767778	rameshc@ksrct.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
18	Start-Up Cell	Center for Manufacturing	Dr.P.S.SAMPATH	9962116570	sampathps@ksrct.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

Sr. No.	Type of the Unit	Name of Unit	In-charge Name	Contact no	Email	Govt. Schemes
19	Innovation Cell	Center for Material Processing	Dr.A.KUMARAVEL	9443553626	kumaravel@ksrct.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
20	Start-Up Cell	Center for Biofuel	Dr.A.MURUGESAN	9443090331	murugesana@ksrct.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
21	Innovation Cell	Center for Data Science	Dr.S.SARUMATHI	9443321692	sarumathi@ksrct.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

Sr. No.	Type of the Unit	Name of Unit	In-charge Name	Contact no	Email	Govt. Schemes
22	Start-Up Cell	Center for IoT	K.RAGUVARAN	9994666307	raguvaran@ksrct.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
23	Start-Up Cell	Center for Electronic Product Design	S.PRADEEP	8122139862	pradeeps@ksrct.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
24	Innovation Cell	Centre for Software Testing	R.POORNIMA	8508052087	poornima@ksrct.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

Sr. No.	Type of the Unit	Name of Unit	In-charge Name	Contact no	Email	Govt. Schemes
25	Innovation Cell	Centre for Cloud Computing	Dr.S.MADHAVI	9095060950	madhavis@ksrct.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
26	Innovation Cell	Centre for Fluid Power System	Dr.R.Senthilmurugan	9843488996	senthilmurugan@ksrct.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
27	Innovation Cell	Centre for Electronic Circuits and Design	Dr.M.Sasikumar	9965167895	sasikumarm@ksrct.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

Sr. No.	Type of the Unit	Name of Unit	In-charge Name	Contact no	Email	Govt. Schemes
28	Innovation Cell	Centre for Industrial Automation and Embedded System	Mrs.V.Indumathi	9965137001	indumathi@ksrct.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
29	Innovation Cell	Centre for Robotization	Dr.M.Ravi	9865116888	ravi@ksrct.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
30	Innovation Cell	Centre for Drone Development	Dr.A.Ramesh Kumar	8344636426	rameshkumar@ksrct.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

Sr. No.	Type of the Unit	Name of Unit	In-charge Name	Contact no	Email	Govt. Schemes
31	Innovation Cell	Centre for Safety and Risk Analytics	Mrs.S.Chandralekha	9942617691	chandralekha@ksrct.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
32	Innovation Cell	Centre for Graphical System Design	Mrs.V.Indumathi	9965137001	indumathi@ksrct.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
33	Innovation Cell	Center for Substation Automation	Dr.D.SRI VIDHYA	9952134526	srividhya@ksrct.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

Sr. No.	Type of the Unit	Name of Unit	In-charge Name	Contact no	Email	Govt. Schemes
34	Innovation Cell	Center for Thermal Image Analysis	Dr.G.VIJAYA GOWRI	9442258906	vijayagowri@ksrct.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
35	Innovation Cell	Center for Power Quality Analysis	Dr.P.ARAVINDAN	9952425269	aravindan@ksrct.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

3.2) Existence of Incubation Facility (>= 1500 Sq. Ft. Floor Area)

Sr. No.	Name of Unit	In-charge Name	Contact no	Email	Govt. Schemes
1	ACIC-K.S.RANGASAMY COLLEGE OF TECHNOLOGY INCUBATION FOUNDATION	Dr.R.Gopalakrishnan	9994150505	principal@ksrct.ac.in	AIM/NITI Ayog

Sr. No.	Name of Unit	In-charge Name	Contact no	Email	Govt. Schemes
2	MSME INCUBATION CENTRE	Dr.N.Tiruvenkadam	9944672671	tiruvenkadam@ksrct.ac.in	MSME

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	Dr B Mythili Gnanamangai	9487088678	mythilignanamangai@ksrct.ac.in	Mentoring Support
2	Technology Transfer Centre /TTO	Technology Transfer Cell	K.RAGUVARAN	9994666307	raguvaran@ksrct.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	Contact No	Email
1	Automatic Multiple face recognition attendance system	Academic Requirement/Study Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	Vignesh V	Student		vigneshvisha
2	Solution to improve the air quality inside the truck's cabin also improve it and transfer the data to fleet management.	Independent Assignment/Non-academic Study Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	Harish K	Student		harishk2002

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	Contact No	Email
3	AI based snap recaster	Academic Requirement/Study Project	2021-22	TRL 6 : Prototype system tested in intended environment close to expected performance	Aiswarya M	Student		aiswaryam3(
4	Wi-Fi Based Smart LPG Monitoring and Control with Automatic Booking Alert System	Academic Requirement/Study Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	Dharaneesh A	Student		dharaneesh2
5	Incer	Independent Assignment/Non-academic Study Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	Arvinth S	Student		arvinthsentl

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	Contact No	Email
6	Portable Bladeless Air Cooler Fan	Academic Requirement/Study Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	Guna S	Student		gunasudhak
7	Smart drone delivery	Independent Assignment/Non-academic Study Project	2021-22	TRL 7 : Demonstration system operating in operational environment at pre-commercial scale	A S YOGAMANIRAJ	Student		yogaymr123
8	Online e-voting system using block-chain technology	Academic Requirement/Study Project	2021-22	TRL 7 : Demonstration system operating in operational environment at pre-commercial scale	Thangalakshmi J	Alumni		lakshmijaga

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	Contact No	Email
9	Implementation of voice based home automation system for disabled people using IoT	Academic Requirement/Study Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	Sumi O R	Student		sumiraji2017
10	Intelligent E-Rollator for Superannuated People	Academic Requirement/Study Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	SATHYA S	Alumni		sathya33200
11	IoT based battery monitoring system	Academic Requirement/Study Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	Naveen V A	Student		naveenamar

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	Contact No	Email
12	Automatic Billing Energy Meter Using IoT	Academic Requirement/Study Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	Swetha M	Student		swethamuru
13	E Vehicle Using Lithium Ferro Phosphate Battery	Academic Requirement/Study Project	2021-22	TRL 6 : Prototype system tested in intended environment close to expected performance	Mukesh R	Alumni		mukeshvr00
14	Production of paper from poultry feathers and ground nut shell	Independent Assignment/Non-academic Study Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	Ashmita R S	Student		ashmitasada

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	Contact No	Email
15	GAME THEORY TO IMPROVE STRATEGIC DECISION MAKING FOR LUDO QUEST	Academic Requirement/Study Project	2021-22	TRL 6 : Prototype system tested in intended environment close to expected performance	Shankar Narayanan A	Alumni		shankaranna
16	QS Ride App:An automated vshare system	Academic Requirement/Study Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	Manikkavasagam SNS	Student		saranttp13@
17	Fabrication of Reduced Graphene Oxide Blended MnO2/Fe2O3 Nanostructured Anode Materials for Lithium-Ion Battery Application	Academic Requirement/Study Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	Jagan K S G	Student		k.jagangane

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	Contact No	Email
18	Sustainable Treatment of Wastewater using Natural Coagulant	Academic Requirement/Study Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	Dr MEENACHI S	Faculty		meenachi@l
19	ALKALINE WATER IONISING DISPENSER	Academic Requirement/Study Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	Sri Vidhya	Faculty		srividhya@k
20	Futuristic Recycled Aggregate Concrete	Academic Requirement/Study Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	GUNASEKAR S	Faculty		guna.skr87@

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	Contact No	Email
21	Naturally coloured Origami Art paper - Recycled product from the dry leaves and waste flowers	Academic Requirement/Study Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	Vishnu Priya S	Alumni		vishnupriyas
22	E-Needle	Independent Assignment/Non-academic Study Project	2021-22	TRL 8 : First of a kind commercial system. Manufacturing issues solved	Giridharan Natarajan	Faculty		giri.susee@l
23	FORMULATION OF LOW COST ,HIGH FIBRE MULTIGRAIN BISCUITS USING SUGAR FREE DRY STEVIA LEAVES FOR DIABETIC PATIENTS	Academic Requirement/Study Project	2021-22	TRL 9 : Full commercial application, technology available for consumers	Akash Raj.M	Alumni		akashmunira

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	Contact No	Email
24	Formulation of setaria italica (Foxtail) drink	Independent Assignment/Non-academic Study Project	2021-22	TRL 7 : Demonstration system operating in operational environment at pre-commercial scale	P.subash	Student		Subashsoun
25	Development of Nutritive bar using peanuts	Independent Assignment/Non-academic Study Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	Sri Navaneetha Krishnan	Student		srinavaneeth
26	DEVELOPMENT AND STANDARDISATION OF NACHOS WITH PROSO MILLET	Academic Requirement/Study Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	Nithyashree D	Student		nithyashree

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	Contact No	Email
27	Spicy cheese ragi noodle pasta	Academic Requirement/Study Project	2021-22	TRL 6 : Prototype system tested in intended environment close to expected performance	Kishore B	Student		bkofficial79(
28	Finger millet Cakesicles	Independent Assignment/Non-academic Study Project	2021-22	TRL 8 : First of a kind commercial system. Manufacturing issues solved	Priyadharshini V	Student		dharshuvj05
29	Fabric Inventory QR System	Independent Assignment/Non-academic Study Project	2021-22	TRL 9 : Full commercial application, technology available for consumers	Giridharan Natarajan	Faculty		giri.susee@l

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	Contact No	Email
30	FULLY AUTOMATED WATER FILLING FROM LOWER WATER TANK TO UPPER WATER TANK	Academic Research Assignment/Industry Sponsored Project	2021-22	TRL 6 : Prototype system tested in intended environment close to expected performance	CHRISTOPHER J	Student		jr.christophe
31	Traffic Sign Recognition System Using CNN and Keras	Academic Requirement/Study Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	Raghul E	Alumni		raghuleswar
32	waste water treatment unit using native herbs	Independent Assignment/Non-academic Study Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	kuldeep singh	Student		hgnispeedlu

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	Contact No	Email
33	AI Based Attendance Monitoring System	Academic Requirement/Study Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	Vignesh S R	Alumni		vignesh1998
34	LoRa Based Smart Irrigation System	Academic Requirement/Study Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	Gowsalya D	Student		gowsid16@g
35	Making of Concrete Models (Toys) using Dyeing Industrial Waste Sludge, Copper Slag and Treated Water	Academic Requirement/Study Project	2021-22	TRL 6 : Prototype system tested in intended environment close to expected performance	Dr.M.VELUMANI	Faculty		mvelumani8

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	Contact No	Email
36	Treatment of Textile Waste Water Using Banana Peel and Ocimum Basilicum	Academic Requirement/Study Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	Dr.S.Ramesh	Faculty		rameshs@ks
37	Dynamic Characteristics of Vibrating Screen	Academic Research Assignment/Industry Sponsored Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	Dr.A.Kumaravel	Faculty		kumaravel@
38	MITIGATION OF FOSSIL FUEL DEMANDS USING JACKFRUIT RINDS BY INDIGENOUS OLEAGINOUS BARM	Academic Requirement/Study Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	P Karpagavalli	Faculty		karpagashri

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	Contact No	Email
39	A Study on Evaluating Academic Stress and its Psychological Impacts on Students in Virtual Classrooms	Academic Research Assignment/Industry Sponsored Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	Kirubahari S	Alumni		kirubaharisu
40	DUAL AXIS SOLAR TRACKER	Academic Requirement/Study Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	Dr.M.SASIKUMAR	Faculty		sasikumarm
41	Mobile Robotics	Academic Requirement/Study Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	M. Sachin Kumar	Student		mechengine

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	Contact No	Email
42	DESIGN AND DEVELOPMENT OF WATER POLLUTION MONITORING RC BOAT	Academic Requirement/Study Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	Dr.S.Sathish	Faculty		sathishs@ks
43	Hospital Management System Software	Academic Research Assignment/Industry Sponsored Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	M.Sangeetha	Faculty		sangeecse@
44	ENHANCEMENT OF LABOUR'S HEALTH BY SOLAR AND AI BASED SANDER MACHINE	Academic Requirement/Study Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	Elango M K	Faculty		elango@ksr

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	Contact No	Email
45	Performance analysis of biofilm synthesised with starch and bacterial polyhrdoxybutyrate (PHB) using alternative carbon sources derived from agrowaste	Academic Requirement/Study Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	KANINISRI T	Alumni		kaninisrithav
46	CORROSION BEHAVIOUR OF ZnO/G ON Cu-22000, Mg-AZ31AND AL-2024	Academic Requirement/Study Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	Deepika Velmurugan	Student		dpvel131517
47	ENHANCEMENT OF CORROSION RESISTANCE OF MILD STEEL PLATE USING ZN/TI NANOCOMPOSITE FOR INDUSTRIAL APPLICATIONS	Academic Requirement/Study Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	G.sri balaji	Student		sribalaji0703

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	Contact No	Email
48	SMART GAS LEAKAGE DETECTION AND CONTROL SYSTEM USING ARDIUNO	Academic Requirement/Study Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	Mukesh R	Alumni		mukeshvr00
49	Battery operated Weeding Machine	Academic Requirement/Study Project	2020-21	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	V P Arthanarieswaran	Faculty		arthanariesv
50	Polyamide based thin film as a benzene detector for optical sensor	Academic Requirement/Study Project	2020-21	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	Karthick M	Student		mahikarthicl

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	Contact No	Email
51	ANTIMICROBIAL ASSESSMENT OF ELECTROSPUN ZnO NANOFIBERS COMPOSITED WITH A.paniculata EXTRACT	Academic Requirement/Study Project	2020-21	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	T M Naren Vidaarth	Student		vidaarth200
52	DRIVER DROWSINESS DETECTION USING COMPUTER VISION AND HEART RATE VARIABILITY	Independent Assignment/Non-academic Study Project	2020-21	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	SATHISH KUMAR P	Faculty		sathishkuma
53	DRIVER DROWSINESS DETECTION USING COMPUTER VISION AND HEART RATE VARIABILITY	Academic Requirement/Study Project	2020-21	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	R VIJAY SAI	Faculty		sailakvijay@

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	Contact No	Email
54	Promoting Inclusive Education Through GEOMENTOY	Independent Assignment/Non-academic Study Project	2020-21	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	V P Arthanarieswaran	Faculty		arthanariesv
55	AUTOMATIVE SMART CARD RATION SYSTEM USING RFID AND GSM TECHNIQUES	Academic Requirement/Study Project	2020-21	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	Dr M Ravi	Faculty		ravi@ksrct.a
56	WIRELESS GESTURE CONTROLLED WHEELCHAIR	Independent Assignment/Non-academic Study Project	2020-21	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	A Gnanabaskaran	Faculty		gnanabaskaı

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	Contact No	Email
57	Smart Garment for Coal Mining workers	Academic Research Assignment/Industry Sponsored Project	2020-21	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	Killivalavan G	Student		killi005v@gr
58	SMART POWER THEFT DETECTION,ALERT AND CUTOFF SYSTEM	Academic Research Assignment/Industry Sponsored Project	2020-21	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	JAIVIDHYA.S	Faculty		jaividhyame
59	MULTI-PURPOSE CHARGER USING SOLAR	Academic Requirement/Study Project	2020-21	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	Shree Ram Senthil S	Faculty		shreeramser

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	Contact No	Email
60	Natural Coolant Sleep Mask	Academic Requirement/Study Project	2020-21	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	Mr.P.Maheswaran	Faculty		pmaheswara
61	Development of protective wear using ceramic fabrics	Academic Requirement/Study Project	2020-21	TRL 6 : Prototype system tested in intended environment close to expected performance	Dr.M B Sampath	Faculty		sampath@ks
62	ARDUINO BASED AUTONOMOUS FIRE FIGHTING ROBOT	Academic Requirement/Study Project	2020-21	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	Dr M Ravi	Faculty		ravi@ksrct.a

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	Contact No	Email
63	PATIENT INTERACTIVE ROBOT SYSTEM USING IOT FOR COVID-19	Academic Requirement/Study Project	2020-21	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	Dr.C.Vijayakumar	Faculty		vijayakumar
64	Modern Ancient Cradle	Independent Assignment/Non-academic Study Project	2020-21	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	Dhinakaran K	Alumni		dhinakaran1
65	Design and development of snake repellant textiles	Academic Requirement/Study Project	2020-21	TRL 6 : Prototype system tested in intended environment close to expected performance	Mr.T.Karthikeyan	Faculty		karthikeyan

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	Contact No	Email
66	EXPERIMENTAL INVESTIGATION ON SELF HEALING CONCRETE USING VARIOUS BACTERIA	Academic Requirement/Study Project	2020-21	TRL 9 : Full commercial application, technology available for consumers	Dr. J.Abdul Bari	Faculty		abdulbari@k
67	INVOKE BRAIN , PROVOKE VEDIC TRICKS	Independent Assignment/Non-academic Study Project	2020-21	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	Vasanth Ananth	Student		vasanthanar
68	DAREBUZZ - Lets Play and Explore the Traditions and Cultures from Kashmir to Kanyakumari	Independent Assignment/Non-academic Study Project	2020-21	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	Navaneetha M	Student		navaneetha!

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	Contact No	Email
69	EXPERIMENTAL INVESTIGATION ON MICROBIAL CONCRETE USING BACTERIA	Academic Requirement/Study Project	2020-21	TRL 6 : Prototype system tested in intended environment close to expected performance	Dr.K.Vijaya Sundravel	Faculty		vijayasundra
70	EXPERIMENTAL STUDY ON TERNARY BLENDED GEOPOLYMER MORTAR	Academic Requirement/Study Project	2020-21	TRL 6 : Prototype system tested in intended environment close to expected performance	Dr.K.Yuvaraj	Faculty		yuvarajk@ks
71	Multi Shape Changeable Chess Board with Indian Sculptured Chess Coin	Independent Assignment/Non-academic Study Project	2020-21	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	GOKULAKANNAN S	Alumni		kgokulakann

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	Contact No	Email
72	MOBILOOM	Academic Research Assignment/Industry Sponsored Project	2020-21	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	Pasupathi V	Entrepreneur		pasupathi23

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	BOTZIX	SME Registered Unit (Valid GST No.)	null
2	Mindnics Private Limited	Private Limited Firm (Pvt. Ltd.)	U72900TZ2021PTC037580 **View Document (https://api.mic.gov.in//uploads/institutes/innovationcontest/images/innovationcontest/idea/I(**
3	InternEzy	One Person Company (OPC)	nil
4	uprann private limited	Private Limited Firm (Pvt. Ltd.)	U74999TZ2017PTC029215 **View Document (https://api.mic.gov.in//uploads/institutes/innovationcontest/images/innovationcontest/idea/I(**
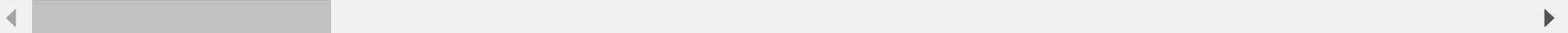
Section 6: Collaboration with Other Incubation Units, HEIs and Industry Associations to Strengthen Better Services and Support to Innovation & Startups at HEI (AY 2020-21 & 2021-22)

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	E-CAP Ennum Vazhikaatti	Corporate/Industry Association	3	Active	09-10-2021	View (/Uploads/Institute/ARI-C-39247/2021-22
2	Enthu Technology, Coimbatore	Corporate/Industry Association	3	Active	07-03-2022	View (/Uploads/Institute/ARI-C-39247/2021-22
3	I-Bacus Tech, Coimbatore	Corporate/Industry Association	3	Active	16-11-2021	View (/Uploads/Institute/ARI-C-39247/2021-22
4	Mallika International Industries Ltd., Tiruchengode, Namakkal	Corporate/Industry Association	3	Active	23-06-2020	View (/Uploads/Institute/ARI-C-39247/2021-22
5	Maximl Labs	Corporate/Industry Association	3	Active	19-11-2021	View (/Uploads/Institute/ARI-C-39247/2021-22

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
6	MSME Technology Development Center, Chennai	Corporate/Industry Association	5	Active	04-12-2021	View (/Uploads/Institute/ARI-C-39247/2021-22
7	Prathista Industries Ltd, Hyderabad	Corporate/Industry Association	5	Active	25-10-2021	View (/Uploads/Institute/ARI-C-39247/2021-22
8	Armada Industrial Automation, Thanjavur	Corporate/Industry Association	3	Active	12-11-2020	View (/Uploads/Institute/ARI-C-39247/2021-22
9	Milky Mist Dairy Food Private Limited, Erode	Corporate/Industry Association	3	Active	24-11-2021	View (/Uploads/Institute/ARI-C-39247/2021-22
10	Veena cottons, Tiruchengode	Corporate/Industry Association	5	Active	07-07-2020	View (/Uploads/Institute/ARI-C-39247/2021-22
11	SPADEWORKS SOURCING, Chennai	Corporate/Industry Association	5	Active	12-08-2021	View (/Uploads/Institute/ARI-C-39247/2021-22
12	NOVO3D, Coimbatore	Corporate/Industry Association	3	Active	12-11-2020	View (/Uploads/Institute/ARI-C-39247/2021-22
13	Paranthaman Exporters, Erode	Corporate/Industry Association	3	Active	17-03-2021	View (/Uploads/Institute/ARI-C-39247/2021-22

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
14	Best Builders	Corporate/Industry Association	5	Active	06-01-2021	View (/Uploads/Institute/ARI-C-39247/2021-22
15	IVTL Infoview Technologies	Corporate/Industry Association	3	Active	06-04-2022	View (/Uploads/Institute/ARI-C-39247/2021-22
16	Sri Navasakthe Paper Boards, Salem	Corporate/Industry Association	3	Active	05-02-2021	View (/Uploads/Institute/ARI-C-39247/2021-22
17	SWAB NANOSOLUTIONS, New Delhi	Corporate/Industry Association	3	Active	22-07-2021	View (/Uploads/Institute/ARI-C-39247/2021-22
18	ChattingBirds Private Linited, Chennai	Corporate/Industry Association	3	Active	07-12-2021	View (/Uploads/Institute/ARI-C-39247/2021-22
19	SMS Electricals, Salem	Corporate/Industry Association	5	Active	24-03-2021	View (/Uploads/Institute/ARI-C-39247/2021-22
20	Vishra Agro Sales, Virudhunagar	Corporate/Industry Association	5	Active	03-03-2021	View (/Uploads/Institute/ARI-C-39247/2021-22
21	VARIFABS, Erode	Corporate/Industry Association	5	Active	12-08-2021	View (/Uploads/Institute/ARI-C-39247/2021-22
22	Maxwell Auto Components, Coimbatore	Corporate/Industry Association	3	Active	25-02-2021	View (/Uploads/Institute/ARI-C-39247/2021-22

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
23	Sony Rigs and Hydraulics Private Limited, Tiruchengode	Corporate/Industry Association	3	Active	23-06-2020	View (/Uploads/Institute/ARI-C-39247/2021-22
24	PLAYFIKS SMART CLOTHING AND TECHNOLOGIES PVT LTD, Chennai	Corporate/Industry Association	5	Active	12-08-2021	View (/Uploads/Institute/ARI-C-39247/2021-22
25	Tessolve Semiconductors, Coimbatore	Corporate/Industry Association	3	Active	03-01-2022	View (/Uploads/Institute/ARI-C-39247/2021-22
26	Jansons Industries Limited, Tiruchengode	Corporate/Industry Association	1	Inactive	15-07-2020	View (/Uploads/Institute/ARI-C-39247/2021-22
27	NoPo Technologies, Bangalore	Corporate/Industry Association	5	Active	23-02-2022	View (/Uploads/Institute/ARI-C-39247/2021-22
28	Sakthi Fabrics, Salem	Corporate/Industry Association	5	Active	12-08-2021	View (/Uploads/Institute/ARI-C-39247/2021-22
29	PRD Rigs India Pvt Ltd., Salem	Corporate/Industry Association	3	Active	23-06-2020	View (/Uploads/Institute/ARI-C-39247/2021-22

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
30	Lumina Datamatics Limited, Andheri, Mumbai	Corporate/Industry Association	3	Active	31-03-2021	View (/Uploads/Institute/ARI-C-39247/2021-22
31	ICT Academy, Chennai	Non Govt. Agency	2	Active	09-04-2021	View (/Uploads/Institute/ARI-C-39247/2021-22

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	DIGIPRO	Copy Right	15502/2020-CO	10-10-2020	Yes
2	Engineering Admission Portal	Copy Right	15499/2020-CO	10-10-2020	Yes
3	Online Payment Portal	Copy Right	15500/2020-CO	10-10-2020	Yes

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?
4	MOBILOOM	Copy Right	9995/2022-COS	13-05-2022	Yes
5	Hazard & Protective Measure in Food Industry	Copy Right	12893/2022-CO	17-06-2022	Yes
6	Structural Outline of Possible Hazards & Control Practicein Sugar Industry	Copy Right	12900/2022-CO	17-06-2022	Yes
7	SCHEMATIC ILLUSTRATION OF POSSIBLE HAZARD &CONTROL METHODS IN COOKIE INDUSTRY	Copy Right	12902/2022-CO	17-06-2022	Yes
8	General Hazard Identification and Mitigation for Sugar Industry using Risk Priority Number(RPN)	Copy Right	12989/2022-CO	18-06-2022	Yes
9	SCHEMATIC PRESENTATION OF POSSIBLE HAZARDSAND ACTION PLAN IN DG ERECTION ANDCOMMISSIONING PROCESS	Copy Right	13881/2022-CO	28-06-2022	Yes
10	Hazard identification and risk assessment in steelindustry	Copy Right	14311/2022-CO	07-04-2022	Yes
11	Risk Analysis of industrial furnaces in foundry using HIRA	Copy Right	15198/2022-CO	14-07-2022	Yes
12	QUANTITATIVE RISK ASSESSMENT OF LIQUEFIED PETROLEUM GAS	Copy Right	14490/2022-CO	07-06-2022	Yes

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?
13	General HIRA in Tyre Industries	Copy Right	13927/2022-CO	28-06-2022	No
14	IMPLEMENTATION OF CONTROL OF SUBSTANCESHAZARDOUS TO HEALTH(COSHH) ASSESSMENT	Copy Right	14962/2022-CO	07-12-2022	No
15	ANALYSIS OF FAILURE MODES AND ITS EFFECTS IN A FOUNDRY PROCESS	Copy Right	15196/2022-CO	14-07-2022	No
16	ERGONOMIC RISK ASSESMENT IN LPG INDUSTRY	Copy Right	15356/2022-CO	17-07-2022	No
17	Pictorial representation of various modules of electric vehicle	Copy Right	13955/2022-CO	29-06-2022	No
18	Graphical representation of various factors involved in realization of polymer composite	Copy Right	15200/2022-CO	14-07-2022	No
19	Development and Smart Monitoring of Carbon Reduction Using Electrostatic Precipitator	Copy Right	15203/2022-CO	14-07-2022	No
20	SCHEMATIC ILLUSTRATION FOR WATER POLLUTION AND IT'SMONITORING METHODS	Copy Right	14975/2022-CO	07-12-2022	No

7.2) Patents Filed by HEI

Sr. No.	Title/Name of Patent	IP Registration Number	Date of Filed/Published
1	A virtual queue system with machine learning module	202141031029A	16-07-2021
2	Power sharing & Eco friendly smart connected vehicle system driven by hybrid renewable energy and IOT for highways	202141031319A	23-07-2021
3	A carbon nanotube based electrodes & preparation method thereof	202141037460A	24-09-2021
4	Bitcoin price prediction using machine learning	202141055559A	10-12-2021
5	Intelligent hybrid implementation of EV and smart grid charging station	202141047414	29-10-2021
6	smart Healthcare monitoring system using Internet of Things	202141030807	16-07-2021
7	Artificial Intelligent based self-adaptation system for capacity estimation in battery	202141035708	08-10-2021
8	Machine Learning Based Approach to Analyse the Heart Disease	202231002221	14-01-2022
9	A Drone Based Automatic and Autonomous Thermal Study on Sensitive and Isolated Electrical Equipment	202241012635	18-03-2022
10	Habara Plant Fiber Reinforced Composite Material	202241013925	15-03-2022
11	Estimation Of Mineralogical Clays By Unmixing Of Hyperspectral Images Of 3 Study Sites At Very Highspatial Resolution	202241001302	10-01-2022
12	IoT based Smart System to Monitor and Control Electrical Appliances	202141046121A	22-10-2021
13	Investigation of Mechanical Properties of SesbaniaRostrataNaturalfibers Reinforced Biocomposite	202041053691	10-12-2020

Sr. No.	Title/Name of Patent	IP Registration Number	Date of Filed/Published
14	Strength And Durability Properties Of Concrete Using Groundnut Shell As Fine Aggregate	202121020905	07-05-2021
15	Artificial Intelligence based Smart E-Cart Vehicle for Blind People in Shopping Mall	202141012414	26-03-2021
16	Semiautomatic Pneumatic Powered Rod Bending Machine Using Solenoid Valve	202141016273	07-04-2021
17	A Solar powered smart mailbox system using IOT	202141027491	19-06-2021
18	A Method Of Modified Cement Mortar Styrene - Acrylic Emulsion And Preparation	202141007681	24-02-2021
19	Development of IoT based underground wire fault detection system	202141000118	02-01-2021
20	WIFI based Home Automation System Using Google Assistance	202111007809	24-02-2021
21	Intelligent System For Monitoring Of Covid- 19 Morbidity Using Artificial Intelligence	202131023430	18-06-2021
22	An optimal efficient method to track the level of oil in the transformer conservator tank using IoT	202041049425A	12-11-2020
23	A Method For Removing Chromium From Tan Liquor Using low Cost Precipitating Agents	202041050652	20-11-2020
24	A System And Method Of Prohibiting Viral Rating And Reviews In E-Commerce	202041018632A	10-07-2020
25	An IoT based System to Monitor oil- Immersed Transformers and a Method Thereof	202011056488A	01-01-2021
26	An Artificial Intelligence Based Health Monitoring and Recommending Precaution Treatments For Diabetes Patient	202041054858A	26-02-2021
27	An Artificial Intelligence Based Method For Smart Energy optimization For Massive Internet Of Things	202141008044A	05-03-2021
28	A Fault Tolerance Solution for Large Scale Wireless Sensor Networks in the Context of a Precision Agriculture Application	202141011050	26-03-2021

Sr. No.	Title/Name of Patent	IP Registration Number	Date of Filed/Published
29	Improvements to the Clonalg Algorithm and their Comparisons on the Diagnosis of Breast Cancer	202141015545	23-04-2021
30	Natural Language processing based patient medical conditions assessment system	202141013638A	02-04-2021

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	202141055559	BITCOIN PRICE PREDICTION USING MACHINE LEARNING	30-11-2021	Published	2021		
2	202141050289	THE DECISIVE ROLE OF THE HR FUNCTION, FROM A STRATEGIC PERSPECTIVE AND AS AN IMMEDIATE BENEFICIARY OF THE OUTPUT DATA	11-02-2021	Published	2021		

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	202141049461	Information technology's role in the Indian banking sector's digital transition.	28-10-2021	Published	2021		
4	202141047414	Intelligent hybrid implementation of EV and smart grid charging station	19-10-2021	Published	2021		
5	202141043033	AN ARTIFICIAL INTELLIGENCE IN COGNITIVE IMPRINTING OF INFORMATION AND SKILL DOMAINS	22-09-2021	Published	2021		
6	202141040851	MULTI CATCH FUZZY SEARCH OVER SCRAMBLED INFORMATION IN CLOUD COMPUTING	09-09-2021	Published	2021		

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
7	202141037894	COMBINATORIAL TRADITIONAL PLANT PRODUCT AS ANTI VIRAL AGENT, IT'S DELIVERING APPARATUS AND METHOD OF OPERATING	20-08-2021	Published	2021		
8	202141037460	A CARBON NANOTUBE BASED ELECTRODES AND PREPARATION METHOD THEREOF	18-08-2021	Published	2021		
9	202141031319	POWER SHARING & ECO-FRIENDLY SMART CONNECTED VEHICLE SYSTEM DRIVEN BY HYBRID RENEWABLE ENERGY AND IOT FOR HIGHWAYS.	13-07-2021	Published	2021		

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
10	202141031029	"A VIRTUAL QUEUE SYSTEM WITH A MACHINE LEARNING MODULE"	07-10-2021	Published	2021		
11	202141030807	A SMART HEALTHCARE MONITORING SYSTEM USING INTERNET OF THINGS	07-09-2021	Published	2021		
12	202141027491	A SOLAR-POWERED SMART MAILBOX SYSTEM USING IOT	19-06-2021	Published	2021		
13	202131023430	INTELLIGENT SYSTEM FOR MONITORING OF COVID-19 MORBIDITY USING ARTIFICIAL INTELLIGENCE	26-05-2021	Published	2021		

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
14	202141021964	AN IOT BASED NECKLACE FOR VISUALLY IMPAIRED PERSONS TO PROTECT JEWELLERY FROM KIDNAPPERS AND THIEVES	15-05-2021	Published	2021		
15	202121020905	STRENGTH AND DURABILITY PROPERTIES OF CONCRETE USING GROUNDNUT SHELL AS FINE AGGREGATE	05-07-2021	Published	2021		
16	202141015545	IMPROVEMENTS TO THE CLONALG ALGORITHM AND THEIR COMPARISONS ON THE DIAGNOSIS OF BREAST CANCER	04-01-2021	Published	2021		

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
17	202141013638	NATURAL LANGUAGE PROCESSING BASED PATIENT MEDICAL CONDITIONS ASSESSMENT SYSTEM	27-03-2021	Published	2021		
18	202141011050	A FAULT TOLERANCE SOLUTION FOR LARGE SCALE WIRELESS SENSOR NETWORKS IN THE CONTEXT OF A PRECISION AGRICULTURE APPLICATION	16-03-2021	Published	2021		
19	202141008044	AN ARTIFICIAL INTELLIGENCE BASED METHOD FOR SMART ENERGY OPTIMIZATION FOR MASSIVE INTERNET OF THINGS	25-02-2021	Published	2021		

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	202111007809	WI-FI BASED HOME AUTOMATION SYSTEM USING GOOGLE ASSISTANCE	24-02-2021	Published	2021		
21	202141007681	A METHOD OF MODIFIED CEMENT MORTAR STYRENE-ACRYLIC EMULSION AND PREPARATION	24-02-2021	Published	2021		
22	202141000118	Development of IoT based underground wire fault detection system	01-02-2021	Published	2021		
23	202011056488	AN IOT BASED SYSTEM TO MONITOR OIL-IMMERSED TRANSFORMERS AND A METHOD THEREOF	25-12-2020	Published	2021		

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
24	202041054858	AN ARTIFICIAL INTELLIGENCE BASED HEALTH MONITORING AND RECOMMENDING PRECAUTION TREATMENTS FOR DIABETES PATIENT	16-12-2020	Published	2021		
25	202041019512	DEVELOPMENT OF COMPUTATIONAL TOOL FOR EARLY DIAGNOSIS OF CARDIOVASCULAR DISEASES ANALYSIS OF DATA FROM OTHERWISE HEALTHY INDIVIDUALS	05-08-2020	Published	2021		
26	201841046961	ISOLATION OF NOVEL COMPOUNDS FROM PARMOTREMA RETICULATUM FOR TREATING ARTHRITIS	12-12-2018	Granted	2021		

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
27	202141037460	A CARBON NANOTUBE BASED ELECTRODES AND PREPARATION METHOD THEREOF	18-08-2021	Published	2021	Applicant	View (/Uploads/Institute/PatentFi
28	202141031319	POWER SHARING & ECO-FRIENDLY SMART CONNECTED VEHICLE SYSTEM DRIVEN BY HYBRID RENEWABLE ENERGY AND IOT FOR HIGHWAYS.	13-07-2021	Published	2021	Applicant	View (/Uploads/Institute/PatentFi
29	202141031029	"A VIRTUAL QUEUE SYSTEM WITH A MACHINE LEARNING MODULE"	07-10-2021	Published	2021	Applicant	View (/Uploads/Institute/PatentFi
30	202141027491	A SOLAR-POWERED SMART MAILBOX SYSTEM USING IOT	19-06-2021	Published	2021	Other(Individual)	View (/Uploads/Institute/PatentFi

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
31	202131023430	INTELLIGENT SYSTEM FOR MONITORING OF COVID-19 MORBIDITY USING ARTIFICIAL INTELLIGENCE	26-05-2021	Published	2021	Other(Individual)	View (/Uploads/Institute/PatentFi
32	202121020905	STRENGTH AND DURABILITY PROPERTIES OF CONCRETE USING GROUNDNUT SHELL AS FINE AGGREGATE	05-07-2021	Published	2021	Other(Individual)	View (/Uploads/Institute/PatentFi
33	202141007681	A METHOD OF MODIFIED CEMENT MORTAR STYRENE-ACRYLIC EMULSION AND PREPARATION	24-02-2021	Published	2021	Other(Individual)	View (/Uploads/Institute/PatentFi
34	201941012323 A	Cement-less ambient cured eco-friendly concrete with natural additives	29-03-2019	Published	2019	Other(Individual)	View (/Uploads/Institute/PatentFi

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
35	201941050087	SYSTEM TO FACILATE VISUALLY IMPAIRED PERSON TO IDENTIFY PERSON PRESENT IN SURROUNDING	05-12-2019	Published	2019	Other(Individual)	View (/Uploads/Institute/PatentFi
36	202041049425A	An Optimal Efficient Method To Track The Level Of Oil In The Transformer Conservator Tank Using Iot	12-11-2020	Published	2020	Other(Individual)	View (/Uploads/Institute/PatentFi
37	202041010131A	Iot Based Letter Box And A Method Thereof	09-03-2020	Published	2020	Other(Individual)	View (/Uploads/Institute/PatentFi
38	202141055559A	Bitcoin Price Prediction Using Machine Learning	10-12-2021	Published	2021	Applicant	View (/Uploads/Institute/PatentFi
39	202141046121A	IoT based Smart System to Monitor and Control Electrical Appliances	22-10-2021	Published	2021	Other(Individual)	View (/Uploads/Institute/PatentFi

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
40	202011056488A	An IoT based System to Monitor oil-Immersed Transformers and a Method Thereof	01-01-2021	Published	2021	Other(Individual)	View (/Uploads/Institute/PatentFi
41	202041054858A	An Artificial Intelligence Based Health Monitoring and Recommending Precaution Treatments For Diabetes Patient	26-02-2021	Published	2021	Other(Individual)	View (/Uploads/Institute/PatentFi
42	202141008044A	An Artificial Intelligence Based Method For Smart Energyoptimization For Massive Internet Of Things	05-03-2021	Published	2021	Other(Individual)	View (/Uploads/Institute/PatentFi

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
43	202141011050 A	A Fault Tolerance Solution for Large Scale Wireless Sensor Networks in the Context of a Precision Agriculture Application	26-03-2021	Published	2021	Other(Individual)	View (/Uploads/Institute/PatentFi
44	202141015545 A	Improvements to the Clonalg Algorithm and their Comparisons on the Diagnosis of Breast Cancer	23-04-2021	Published	2021	Other(Individual)	View (/Uploads/Institute/PatentFi
45	202141013638A	Natural Language processing based patient medical conditions assessment system	02-04-2021	Published	2021	Other(Individual)	View (/Uploads/Institute/PatentFi
46	202041005771A	Automated Non Invasive Blood Group Determination and Cholesterol Level Using IOT	21-02-2020	Published	2020	Other(Individual)	View (/Uploads/Institute/PatentFi

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
47	202041018632A	A System And Method Of Prohibiting Viral Rating And Reviews In E-Commerce	10-07-2020	Published	2020	Other(Individual)	View (/Uploads/Institute/PatentFi
48	202141031029A	A virtual queue system with machine learning module	16-07-2021	Published	2021	Applicant	View (/Uploads/Institute/PatentFi
49	202141031319A	Power sharing & Eco friendly smart connected vehicle system driven by hybrid renewable energy and IOT for highways	23-07-2021	Published	2021	Applicant	View (/Uploads/Institute/PatentFi
50	202141037460A	A carbon nanotube based electrodes & preparation method thereof	24-09-2021	Published	2021	Applicant	View (/Uploads/Institute/PatentFi
51	352831-001	Transportable Electric Handheld Fan	09-11-2021	Published	2021	Other(Individual)	View (/Uploads/Institute/PatentFi

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
52	352425-001	Multipurpose Robotic Platform with adjusting height	30-10-2021	Published	2021	Other(Individual)	View (/Uploads/Institute/PatentFi
53	202141047414	Intelligent hybrid implementation of EV and smart grid charging station	29-10-2021	Published	2021	Other(Individual)	View (/Uploads/Institute/PatentFi
54	202141030807	A smart Healthcare monitoring system using Internet of Things	16-07-2021	Published	2021	Other(Individual)	View (/Uploads/Institute/PatentFi
55	202141035708 A	Artificial Intelligent based self-adaptative system for capacity estimation in battery	08-10-2021	Published	2021	Applicant	View (/Uploads/Institute/PatentFi
56	202041028086	IoT Based Smart Automated Aquaponics System	30-06-2020	Published	2020	Other(Individual)	View (/Uploads/Institute/PatentFi

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
57	202141000118	Development of IoT based underground wire fault detection system	02-01-2021	Published	2021	Other(Individual)	View (/Uploads/Institute/PatentFi
58	202111007809	WIFI based Home Automation System Using Google Assistance	24-02-2021	Published	2021	Other(Individual)	View (/Uploads/Institute/PatentFi
59	348925-001	A solar inverter enclosure	09-04-2021	Published	2021	Other(Individual)	View (/Uploads/Institute/PatentFi
60	202011011332	System for Honey Collecting from Beehive using Remote Control	16-03-2020	Published	2020	Other(Individual)	View (/Uploads/Institute/PatentFi
61	202141040851	MULTI CATCH FUZZY SEARCH OVER SCRAMBLED INFORMATION IN CLOUD COMPUTING	09-09-2021	Published	2021	Other(Individual)	View (/Uploads/Institute/PatentFi

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
62	202141043033	AN ARTIFICIAL INTELLIGENCE IN COGNITIVE IMPRINTING OF INFORMATION AND SKILL DOMAINS	22-09-2021	Published	2021	Applicant	View (/Uploads/Institute/PatentFi
63	201841046961	ISOLATION OF NOVEL COMPOUNDS FROM PARMOTREMA RETICULATUM FOR TREATING ARTHRITIS	12-12-2018	Granted	2021	Other(Individual)	View (/Uploads/Institute/PatentFi
64	202141008044	AN ARTIFICIAL INTELLIGENCE BASED METHOD FOR SMART ENERGY OPTIMIZATION FOR MASSIVE INTERNET OF THINGS	25-02-2021	Published	2021	Other(Individual)	View (/Uploads/Institute/PatentFi

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 of Transferred Technology
1	Intelligent E-Rollator for Superannuated People	IP/Patented Technology	Dr.D.Sri Vidhya	Other organisation/Agency	Dr.D.Sri Vidhya	17-03-2022
2	Smart Gas Leakage Detection & Control System using Arduino	Non-IP/Non-Patented Technology	K.Gokul	Other organisation/Agency	K.Gokul	27-05-2022
3	Foxmillet Manchurian	Non-IP/Non-Patented Technology	S. Elayabharathi	Start-up	S. Elayabharathi	30-09-2021
4	Cheese Ragi Noodles	Non-IP/Non-Patented Technology	B. Kishore	Start-up	B. Kishore	10-11-2021
5	Mad On Cakes	Non-IP/Non-Patented Technology	V. Priyadharshini	Start-up	V. Priyadharshini	25-02-2022
6	Universal stepper motor driver	Non-IP/Non-Patented Technology	Mr.K.Raguvaran	Industry	Duratech Engineering Systems,Coimbatore.	17-05-2022

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 of Transferred Technology
7	Monitoring of sewage gas and alerting system using IoT	Non-IP/Non-Patented Technology	Mr.P.Balamurugan	Industry	SALIEABS Electronics Engineers LLP, Salem.	08-12-2020
8	IoT Evaluation Board	Non-IP/Non-Patented Technology	Dr.C.Rajasekaran	Industry	Enthu Technology Solutions India Pvt Ltd. Coimbatore.	10-02-2022
9	Manufacturing of Paver Blocks by incorporating Construction and Demolition Waste	Non-IP/Non-Patented Technology	Mr.S.Gunasekar	Industry	AKS Enterprise, Kangayam	04-05-2021
10	Production of Artificial Aggregates utilising Pond Ash	Non-IP/Non-Patented Technology	Dr.R.Jagadeesan	Industry	Argunt Aggregates Pvt Ltd.	07-05-2022
11	KSR Microbial Consortia (Growth Promoter)	Non-IP/Non-Patented Technology	Department of Biotechnology, KSRCT	Other organisation/Agency	B.Mythili Gnanamangai	17-08-2020
12	Rapid Multiplication of Syngonium an Ornamental species	Non-IP/Non-Patented Technology	Department of Biotechnology, KSRCT	Other organisation/Agency	J.Philip Robinson; S.Kaleeswaran	28-01-2021

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.Gopalakrishnan** (Head of Institute) and **Dr. P.Premkumar** (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

Dr. R.Gopalakrishnan,
Head of the Institution,
K.S.RANGASAMY COLLEGE OF TECHNOLOGY,
Tiruchengode, Tamil Nadu
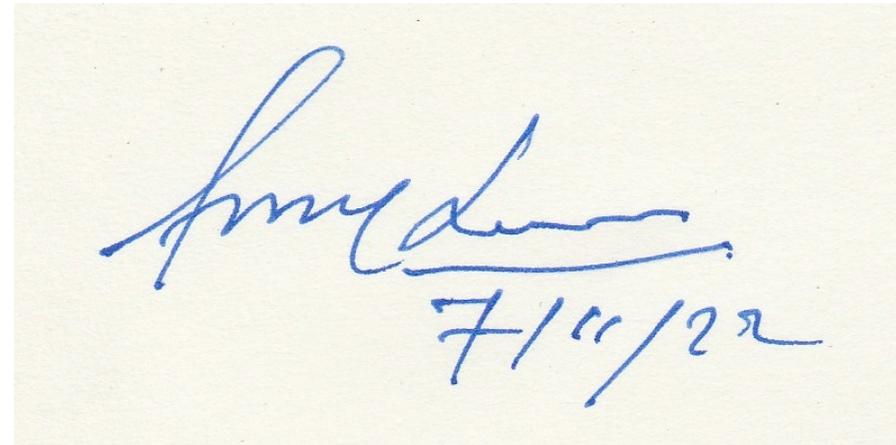
Dr. P.Premkumar,
Nodal Officer,

K.S.RANGASAMY COLLEGE OF TECHNOLOGY,
Tiruchengode, Tamil Nadu

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