



Indian Institute of Technology Kanpur [ARI-I-1075][U-0517]

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

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

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

Contact:

Faculty Name:	Prof. Amitabha Bandyopadhyay
Designation:	Professor
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1.2) Performance Level of Institution's Innovation Councils (IICs) Established in HEIs: Scores and Stars Obtained

Annual Performances of IIC Institute	Stars Secured
IIC 1.0 (2018-19)	1
IIC 2.0 (2019-20)	
IIC 3.0 (2020-21)	0
IIC 4.0 (2021-22)	0 (On Progress)

Contact:

IIC President of the Institute:	A.R. Harish
Designation:	Dean Research & Development
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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	Amitabha Bandyopadhyay	Basic	4
2	Rohini Dutta	Basic	2

1.4) Participation in KAPILA/SIH Program

HEI Registered in the KAPILA Portal	U-0517	Yes
HEI Participated in the Smart India Hackathon (2022)	U-0517	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
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Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score
1	MANAGEMENT OF DESIGN AND INNOVATION	DES627A	2020-21	Elective Course	Bachelor,Master,PhD	Department of Design	6
2	MANAGEMENT OF DESIGN AND INNOVATION	DES627A	2020-21	Elective Course	Bachelor,Master,PhD	Department of Design	6
3	Need and Innovation	DES 633	2021-22	Elective Course	Bachelor,Master,PhD	Department of Design	6
4	Need and Innovation	DES 633	2021-22	Elective Course	Bachelor,Master,PhD	Department of Design	6
5	PRODUCTIVITY AND EFFICIENCY ANALYSIS	IME709A	2020-21	Core Course	Master	Industrial Management and Engineering	6
6	PRODUCTIVITY AND EFFICIENCY ANALYSIS	IME709A	2021-22	Core Course	Master	Industrial Management and Engineering	6
7	MANUFACTURING STRATEGY	MBA622A	2020-21	Elective Course	Master	Industrial Management and Engineering	6
8	MANUFACTURING STRATEGY	MBA622A	2021-22	Elective Course	Master	Industrial Management and Engineering	6
9	MANAGEMENT OF DESIGN AND INNOVATION	DES627A	2021-22	Elective Course	Bachelor,Master,PhD	Department of Design	6

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score
10	MANAGEMENT OF DESIGN AND INNOVATION	DES627A	2021-22	Elective Course	Bachelor,Master,PhD	Department of Design	6
11	Need and Innovation	DES 633	2020-21	Elective Course	Bachelor,Master,PhD	Department of Design	6
12	Need and Innovation	DES 633	2020-21	Elective Course	Bachelor,Master,PhD	Department of Design	6
13	MARKETING MANAGEMENT	MBA631A	2020-21	Elective Course	Master	Industrial Management and Engineering	6
14	MARKETING MANAGEMENT	MBA631A	2021-22	Elective Course	Master	Industrial Management and Engineering	6
15	MARKETING RESEARCH	MBA633A	2020-21	Elective Course	Master	Industrial Management and Engineering	6
16	MARKETING RESEARCH	MBA633A	2021-22	Elective Course	Master	Industrial Management and Engineering	6
17	CONSUMER BEHAVIOUR	MBA634A	2020-21	Elective Course	Master	Industrial Management and Engineering	6
18	CONSUMER BEHAVIOUR	MBA634A	2021-22	Elective Course	Master	Industrial Management and Engineering	6

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score
19	MARKETING OF SERVICES	MBA734A	2020-21	Core Course	Master	Industrial Management and Engineering	5
20	BUSINESS TO BUSINESS MARKETING	MBA731A	2020-21	Elective Course	Master	Industrial Management and Engineering	5
21	BUSINESS TO BUSINESS MARKETING	MBA731A	2021-22	Elective Course	Master	Industrial Management and Engineering	5
22	ENTERPRISE INTEGRATION WITH IT	MBA646A	2020-21	Elective Course	Master	Industrial Management and Engineering	6
23	ENTERPRISE INTEGRATION WITH IT	MBA646A	2021-22	Elective Course	Master	Industrial Management and Engineering	6
24	BUSINESS PROCESS MANAGEMENT	MBA647A	2020-21	Elective Course	Master	Industrial Management and Engineering	6
25	BUSINESS PROCESS MANAGEMENT	MBA647A	2021-22	Elective Course	Master	Industrial Management and Engineering	6
26	MANUFACTURING PLANNING AND CONTROL	MBA665A	2020-21	Elective Course	Master	Industrial Management and Engineering	6

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score
27	MANUFACTURING PLANNING AND CONTROL	MBA665A	2021-22	Elective Course	Master	Industrial Management and Engineering	6
28	PRODUCT AND BRAND MANAGEMENT	MBA685A	2020-21	Elective Course	Master	Industrial Management and Engineering	6
29	PRODUCT DESIGN AND MANAGEMENT	VLM601	2020-21	Core Course	Master	Industrial Management and Engineering	5
30	PRODUCT DESIGN AND MANAGEMENT	VLM601	2021-22	Core Course	Master	Industrial Management and Engineering	5



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	Prog Start Date
1	Women Entrepreneurship Development Program	2020-21	Short-term Certificate Program	Self Sponsored/Supported	Industrial Management and Engineering	17-02-2021 00:00

Srno	Title of Course	Academic Year	Type of Certificate Program	Certificate Program/MDP/FDP/EDP Sponsored/Supported by	Certificate Program Offering Department/ Centre/ Unit Name	Prog Start Date
2	Mentorship Program	2021-22	Entrepreneurship Development Program (EDP)	Industry/Non-Govt.	Startup Incubation and Innovation Center (SIIC)	14-0-2022 00:00
3	Acceleration Program	2021-22	Entrepreneurship Development Program (EDP)	Industry/Non-Govt.	Startup Incubation and Innovation Center (SIIC)	12-0-2022 00:00
4	Biotechnology Training Program Cohort 1	2021-22	Entrepreneurship Development Program (EDP)	Self Sponsored/Supported	Startup Incubation and Innovation Center (SIIC)	16-0-2022 00:00
5	Biotechnology Training Program Cohort 2	2021-22	Entrepreneurship Development Program (EDP)	Self Sponsored/Supported	Startup Incubation and Innovation Center (SIIC)	20-0-2022 00:00
6	Future of Skills in Emerging Economy	2021-22	Entrepreneurship Development Program (EDP)	State Govt. Agency	Startup Incubation and Innovation Center (SIIC)	21-0-2021 00:00
7	Growth and Management of Institutional Resources	2021-22	Entrepreneurship Development Program (EDP)	State Govt. Agency	Startup Incubation and Innovation Center (SIIC)	04-1-2021 00:00
8	Intrapreneurship and Sustainable Culture of Innovation	2021-22	Entrepreneurship Development Program (EDP)	State Govt. Agency	Startup Incubation and Innovation Center (SIIC)	11-1-2021 00:00
9	Digital Transformation of Indian Industry and Global Trends	2021-22	Entrepreneurship Development Program (EDP)	State Govt. Agency	Startup Incubation and Innovation Center (SIIC)	11-1-2021 00:00

Srno	Title of Course	Academic Year	Type of Certificate Program	Certificate Program/MDP/FDP/EDP Sponsored/Supported by	Certificate Program Offering Department/ Centre/ Unit Name	Prog Start Date
10	Global and Indian Businesses in post COVID-19 world	2021-22	Entrepreneurship Development Program (EDP)	State Govt. Agency	Startup Incubation and Innovation Center (SIIC)	21-11-2021 00:00
11	Basics of Administration and Office Management Systems	2021-22	Management Development Program (MDP)	State Govt. Agency	Startup Incubation and Innovation Center (SIIC)	01-11-2021 00:00
12	Communication - Tools and Strategies in Cloud 2 World	2021-22	Entrepreneurship Development Program (EDP)	State Govt. Agency	Startup Incubation and Innovation Center (SIIC)	22-11-2021 00:00
13	Teaching Skills at ITI	2021-22	Faculty Development Program (FDP)	State Govt. Agency	Startup Incubation and Innovation Center (SIIC)	13-11-2021 00:00
14	Enhancing learning skills	2021-22	Faculty Development Program (FDP)	State Govt. Agency	Startup Incubation and Innovation Center (SIIC)	03-01-2022 00:00
15	Inauguration and Industry 4 Shift in India and Technology Trends	2021-22	Entrepreneurship Development Program (EDP)	State Govt. Agency	Startup Incubation and Innovation Center (SIIC)	17-01-2022 00:00
16	Mentoring Sessions to 1200 Students Under REC Innovation Platform	2021-22	Entrepreneurship Development Program (EDP)	Central Govt. Agency	Rural Electrification Corporation Ltd	10-01-2021 00:00

Srno	Title of Course	Academic Year	Type of Certificate Program	Certificate Program/MDP/FDP/EDP Sponsored/Supported by	Certificate Program Offering Department/ Centre/ Unit Name	Prog Start Date
17	7 days Online Workshop Oxygen Plant Maintenance and Troubleshooting	2021-22	Short-term Certificate Program	Industry/Non-Govt.	Startup Incubation and Innovation Center (SIIC)	10-0-2022 00:00
18	Workshop on How to make a pitch deck	2021-22	Entrepreneurship Development Program (EDP)	State Govt. Agency	Interdisciplinary Center for Cyber Security and Cyber Defense of Critical Infrastructures (C3i)	28-0-2022 00:00
19	Workshop on IPR	2021-22	Entrepreneurship Development Program (EDP)	State Govt. Agency	Interdisciplinary Center for Cyber Security and Cyber Defense of Critical Infrastructures (C3i)	03-0-2022 00:00
20	Workshop on Legal Documents for startups	2021-22	Entrepreneurship Development Program (EDP)	State Govt. Agency	Interdisciplinary Center for Cyber Security and Cyber Defense of Critical Infrastructures (C3i)	11-0-2022 00:00
21	Innovation Launchpad	2020-21	Entrepreneurship Development Program (EDP)	Industry/Non-Govt.	Startup Incubation and Innovation Center (SIIC)	25-0-2021 00:00

Srno	Title of Course	Academic Year	Type of Certificate Program	Certificate Program/MDP/FDP/EDP Sponsored/Supported by	Certificate Program Offering Department/ Centre/ Unit Name	Prog Start Date
22	Introduction to tech for tribal components and expected outcomes and modes of delivery	2020-21	Entrepreneurship Development Program (EDP)	Central Govt. Agency	Startup Incubation and Innovation Center (SIIC)	05-11-2020 00:00
23	Introduction to entrepreneurial competencies and soft skills -1	2020-21	Entrepreneurship Development Program (EDP)	Central Govt. Agency	Startup Incubation and Innovation Center (SIIC)	12-11-2020 00:00
24	Introduction to Branding -1	2020-21	Entrepreneurship Development Program (EDP)	Central Govt. Agency	Startup Incubation and Innovation Center (SIIC)	12-11-2020 00:00
25	Introduction to business plan -1	2020-21	Entrepreneurship Development Program (EDP)	Central Govt. Agency	Startup Incubation and Innovation Center (SIIC)	18-11-2020 00:00
26	Social Media and e-commerce for tribal business -1	2020-21	Entrepreneurship Development Program (EDP)	Central Govt. Agency	Startup Incubation and Innovation Center (SIIC)	19-11-2020 00:00
27	Enterprise as livelihood option -1	2020-21	Entrepreneurship Development Program (EDP)	Central Govt. Agency	Startup Incubation and Innovation Center (SIIC)	19-11-2020 00:00
28	Introduction to Market survey -1	2020-21	Entrepreneurship Development Program (EDP)	Central Govt. Agency	Startup Incubation and Innovation Center (SIIC)	26-11-2020 00:00
29	Business communication -1	2020-21	Entrepreneurship Development Program (EDP)	Central Govt. Agency	Startup Incubation and Innovation Center (SIIC)	21-11-2020 00:00

Srno	Title of Course	Academic Year	Type of Certificate Program	Certificate Program/MDP/FDP/EDP Sponsored/Supported by	Certificate Program Offering Department/ Centre/ Unit Name	Prog Start Date
30	Importance of analysing market competition and user need	2020-21	Entrepreneurship Development Program (EDP)	Central Govt. Agency	Startup Incubation and Innovation Center (SIIC)	02-1 2020 00:00
31	Customer segmentation -1	2020-21	Entrepreneurship Development Program (EDP)	Central Govt. Agency	Startup Incubation and Innovation Center (SIIC)	02-1 2020 00:00
32	SWOT analysis and rural marketing -1	2020-21	Entrepreneurship Development Program (EDP)	Central Govt. Agency	Startup Incubation and Innovation Center (SIIC)	02-1 2020 00:00
33	6 p of marketing for understanding business and customer	2020-21	Entrepreneurship Development Program (EDP)	Central Govt. Agency	Startup Incubation and Innovation Center (SIIC)	02-1 2020 00:00
34	Introduction to tech for tribals -1	2020-21	Entrepreneurship Development Program (EDP)	Central Govt. Agency	Startup Incubation and Innovation Center (SIIC)	05-1 2020 00:00
35	Introduction to Branding -2	2020-21	Entrepreneurship Development Program (EDP)	Central Govt. Agency	Startup Incubation and Innovation Center (SIIC)	05-1 2021 00:00
36	Social Media and e-commerce for tribal business -2	2020-21	Entrepreneurship Development Program (EDP)	Central Govt. Agency	Startup Incubation and Innovation Center (SIIC)	05-1 2020 00:00
37	Standard precaution during processing of MFPs (Covid specific)	2020-21	Entrepreneurship Development Program (EDP)	Central Govt. Agency	Startup Incubation and Innovation Center (SIIC)	05-1 2020 00:00

Srno	Title of Course	Academic Year	Type of Certificate Program	Certificate Program/MDP/FDP/EDP Sponsored/Supported by	Certificate Program Offering Department/ Centre/ Unit Name	Prog Start Date
38	Enterprise as livelihood option -2	2020-21	Entrepreneurship Development Program (EDP)	Central Govt. Agency	Startup Incubation and Innovation Center (SIIC)	15-1 2020 00:00
39	Introduction to entrepreneurial competencies and soft skills -2	2020-21	Entrepreneurship Development Program (EDP)	Central Govt. Agency	Startup Incubation and Innovation Center (SIIC)	15-1 2020 00:00
40	Introduction to Market survey -2	2020-21	Entrepreneurship Development Program (EDP)	Central Govt. Agency	Startup Incubation and Innovation Center (SIIC)	15-1 2020 00:00
41	Technologies for herbal products	2020-21	Entrepreneurship Development Program (EDP)	Central Govt. Agency	Startup Incubation and Innovation Center (SIIC)	15-1 2020 00:00
42	Market Survey	2020-21	Entrepreneurship Development Program (EDP)	Central Govt. Agency	Startup Incubation and Innovation Center (SIIC)	15-1 2020 00:00
43	Importance of analyzing market competition	2020-21	Entrepreneurship Development Program (EDP)	Central Govt. Agency	Startup Incubation and Innovation Center (SIIC)	17-1 2020 00:00
44	6 Ps of marketing for understanding business and customer	2020-21	Entrepreneurship Development Program (EDP)	Central Govt. Agency	Startup Incubation and Innovation Center (SIIC)	15-1 2020 00:00
45	Customer segmentation -2	2020-21	Entrepreneurship Development Program (EDP)	Central Govt. Agency	Startup Incubation and Innovation Center (SIIC)	12-1 2020 00:00

Srno	Title of Course	Academic Year	Type of Certificate Program	Certificate Program/MDP/FDP/EDP Sponsored/Supported by	Certificate Program Offering Department/ Centre/ Unit Name	Prog Start Date
46	SWOT analysis and marketing	2020-21	Entrepreneurship Development Program (EDP)	Central Govt. Agency	Startup Incubation and Innovation Center (SIIC)	22-1 2020 00:00
47	Introduction to business communication	2020-21	Entrepreneurship Development Program (EDP)	Central Govt. Agency	Startup Incubation and Innovation Center (SIIC)	22-1 2020 00:00
48	Importance of packaging	2020-21	Entrepreneurship Development Program (EDP)	Central Govt. Agency	Startup Incubation and Innovation Center (SIIC)	22-1 2020 00:00
49	Introduction to tech for tribals -2	2020-21	Entrepreneurship Development Program (EDP)	Central Govt. Agency	Startup Incubation and Innovation Center (SIIC)	03-1 2020 00:00
50	Enterprise as a livelihood option	2020-21	Entrepreneurship Development Program (EDP)	Central Govt. Agency	Startup Incubation and Innovation Center (SIIC)	03-1 2020 00:00
51	Lac its application and cultivation	2020-21	Entrepreneurship Development Program (EDP)	Central Govt. Agency	Startup Incubation and Innovation Center (SIIC)	06-1 2020 00:00
52	Introduction to Entrepreneurial competencies and soft skills -3	2020-21	Entrepreneurship Development Program (EDP)	Central Govt. Agency	Startup Incubation and Innovation Center (SIIC)	06-1 2020 00:00
53	Standard Precaution during processing of MFPS covid-19 specific	2020-21	Entrepreneurship Development Program (EDP)	Central Govt. Agency	Startup Incubation and Innovation Center (SIIC)	06-1 2020 00:00

Srno	Title of Course	Academic Year	Type of Certificate Program	Certificate Program/MDP/FDP/EDP Sponsored/Supported by	Certificate Program Offering Department/ Centre/ Unit Name	Prog Start Date
54	Business communication skills	2020-21	Entrepreneurship Development Program (EDP)	Central Govt. Agency	Startup Incubation and Innovation Center (SIIC)	06-11-2020 00:00
55	SWOT analysis	2020-21	Entrepreneurship Development Program (EDP)	Central Govt. Agency	Startup Incubation and Innovation Center (SIIC)	13-11-2020 00:00
56	Expert Talk on Lac	2020-21	Entrepreneurship Development Program (EDP)	Central Govt. Agency	Startup Incubation and Innovation Center (SIIC)	06-11-2020 00:00
57	Introduction to market survey and analysis of market competition	2020-21	Entrepreneurship Development Program (EDP)	Central Govt. Agency	Startup Incubation and Innovation Center (SIIC)	13-11-2020 00:00
58	6Ps of Marketing	2020-21	Entrepreneurship Development Program (EDP)	Central Govt. Agency	Startup Incubation and Innovation Center (SIIC)	13-11-2020 00:00
59	Information Technology and E-commerce for tribal businesses	2020-21	Entrepreneurship Development Program (EDP)	Central Govt. Agency	Startup Incubation and Innovation Center (SIIC)	13-11-2020 00:00
60	Book keeping	2020-21	Entrepreneurship Development Program (EDP)	Central Govt. Agency	Startup Incubation and Innovation Center (SIIC)	13-11-2020 00:00
61	Technology for Tribals	2020-21	Entrepreneurship Development Program (EDP)	Central Govt. Agency	Startup Incubation and Innovation Center (SIIC)	13-11-2020 00:00

Srno	Title of Course	Academic Year	Type of Certificate Program	Certificate Program/MDP/FDP/EDP Sponsored/Supported by	Certificate Program Offering Department/ Centre/ Unit Name	Prog Start Date
62	Making business plan	2020-21	Entrepreneurship Development Program (EDP)	Central Govt. Agency	Startup Incubation and Innovation Center (SIIC)	13-1-2020 00:00
63	To understand the concept of break even and calculate break-even point	2020-21	Entrepreneurship Development Program (EDP)	Central Govt. Agency	Startup Incubation and Innovation Center (SIIC)	13-1-2020 00:00
64	Production planning and management	2020-21	Entrepreneurship Development Program (EDP)	Central Govt. Agency	Startup Incubation and Innovation Center (SIIC)	13-1-2020 00:00
65	Introduction to project reports and components	2020-21	Entrepreneurship Development Program (EDP)	Central Govt. Agency	Startup Incubation and Innovation Center (SIIC)	13-1-2020 00:00
66	Uses of Lac machinery and new technologies	2020-21	Entrepreneurship Development Program (EDP)	Central Govt. Agency	Startup Incubation and Innovation Center (SIIC)	20-1-2020 00:00
67	Introduction to tech for tribals -3	2020-21	Entrepreneurship Development Program (EDP)	Central Govt. Agency	Startup Incubation and Innovation Center (SIIC)	20-1-2020 00:00
68	Social Media and E-commerce for tribal businesses	2020-21	Entrepreneurship Development Program (EDP)	Central Govt. Agency	Startup Incubation and Innovation Center (SIIC)	17-0-2021 00:00
69	Business communication -2	2020-21	Entrepreneurship Development Program (EDP)	Central Govt. Agency	Startup Incubation and Innovation Center (SIIC)	17-0-2021 00:00

Srno	Title of Course	Academic Year	Type of Certificate Program	Certificate Program/MDP/FDP/EDP Sponsored/Supported by	Certificate Program Offering Department/ Centre/ Unit Name	Prog Start Date
70	Introduction to business plan -2	2020-21	Entrepreneurship Development Program (EDP)	Central Govt. Agency	Startup Incubation and Innovation Center (SIIC)	22-02-2021 00:00
71	Concept of break-even	2020-21	Entrepreneurship Development Program (EDP)	Central Govt. Agency	Startup Incubation and Innovation Center (SIIC)	22-02-2021 00:00
72	Branding	2020-21	Entrepreneurship Development Program (EDP)	Central Govt. Agency	Startup Incubation and Innovation Center (SIIC)	17-02-2021 00:00
73	Introduction to entrepreneurship	2020-21	Entrepreneurship Development Program (EDP)	Central Govt. Agency	Startup Incubation and Innovation Center (SIIC)	20-02-2021 00:00
74	Tamarind production and processing	2020-21	Entrepreneurship Development Program (EDP)	Central Govt. Agency	Startup Incubation and Innovation Center (SIIC)	24-02-2021 00:00
75	Expert talk on tamarind	2020-21	Entrepreneurship Development Program (EDP)	Central Govt. Agency	Startup Incubation and Innovation Center (SIIC)	22-02-2021 00:00
76	Machinery and new techniques for candy making	2020-21	Entrepreneurship Development Program (EDP)	Central Govt. Agency	Startup Incubation and Innovation Center (SIIC)	22-02-2021 00:00
77	Hygiene process that needs to be followed during processing	2020-21	Entrepreneurship Development Program (EDP)	Central Govt. Agency	Startup Incubation and Innovation Center (SIIC)	25-02-2021 00:00

Srno	Title of Course	Academic Year	Type of Certificate Program	Certificate Program/MDP/FDP/EDP Sponsored/Supported by	Certificate Program Offering Department/ Centre/ Unit Name	Prog Start Date
78	GMP and standard precaution during covid 19	2020-21	Entrepreneurship Development Program (EDP)	Central Govt. Agency	Startup Incubation and Innovation Center (SIIC)	22-02-2021 00:00
79	Introduction to rural marketing	2020-21	Entrepreneurship Development Program (EDP)	Central Govt. Agency	Startup Incubation and Innovation Center (SIIC)	07-02-2021 00:00
80	Know your certification	2020-21	Entrepreneurship Development Program (EDP)	Central Govt. Agency	Startup Incubation and Innovation Center (SIIC)	01-02-2021 00:00
81	Tamarind specific session and further details	2020-21	Entrepreneurship Development Program (EDP)	Central Govt. Agency	Startup Incubation and Innovation Center (SIIC)	07-02-2021 00:00
82	Book keeping and its importance	2020-21	Entrepreneurship Development Program (EDP)	Central Govt. Agency	Startup Incubation and Innovation Center (SIIC)	07-02-2021 00:00
83	Application for FSSAI and procedures involved	2020-21	Entrepreneurship Development Program (EDP)	Central Govt. Agency	Startup Incubation and Innovation Center (SIIC)	04-02-2021 00:00
84	Importance and benefit of packaging	2020-21	Entrepreneurship Development Program (EDP)	Central Govt. Agency	Startup Incubation and Innovation Center (SIIC)	07-02-2021 00:00
85	E-commerce for rural entrepreneurs	2020-21	Entrepreneurship Development Program (EDP)	Central Govt. Agency	Startup Incubation and Innovation Center (SIIC)	07-02-2021 00:00

Srno	Title of Course	Academic Year	Type of Certificate Program	Certificate Program/MDP/FDP/EDP Sponsored/Supported by	Certificate Program Offering Department/ Centre/ Unit Name	Prog Start Date
86	Standard precautions during covid 19 MFP processing	2020-21	Entrepreneurship Development Program (EDP)	Central Govt. Agency	Startup Incubation and Innovation Center (SIIC)	07-0-2021 00:00
87	Entrepreneurship skill development training	2020-21	Entrepreneurship Development Program (EDP)	Central Govt. Agency	Startup Incubation and Innovation Center (SIIC)	10-0-2021 00:00
88	Expert talk on herbal products	2020-21	Entrepreneurship Development Program (EDP)	Central Govt. Agency	Startup Incubation and Innovation Center (SIIC)	12-1-2020 00:00
89	Expert talk on herbal medicines	2020-21	Entrepreneurship Development Program (EDP)	Central Govt. Agency	Startup Incubation and Innovation Center (SIIC)	19-1-2020 00:00
90	Session on successful SHG case study	2020-21	Entrepreneurship Development Program (EDP)	Central Govt. Agency	Startup Incubation and Innovation Center (SIIC)	02-1-2020 00:00
91	Expert talk on agricultural storage	2020-21	Entrepreneurship Development Program (EDP)	Central Govt. Agency	Startup Incubation and Innovation Center (SIIC)	05-1-2020 00:00
92	Expert talk on extracting pulp from forest products	2020-21	Entrepreneurship Development Program (EDP)	Central Govt. Agency	Startup Incubation and Innovation Center (SIIC)	15-1-2020 00:00
93	Quantitative Approaches to Decision Making	2020-21	Short-term Certificate Program	Central Govt. Agency	Center for Continuing Education	08-0-2021 00:00
94	Principles of Pricing	2020-21	Short-term Certificate Program	Central Govt. Agency	Center for Continuing Education	08-0-2021 00:00

Srno	Title of Course	Academic Year	Type of Certificate Program	Certificate Program/MDP/FDP/EDP Sponsored/Supported by	Certificate Program Offering Department/ Centre/ Unit Name	Prog Start Date
95	Challenges and Opportunities before Youth with Technical Education and Present and Post Covid Situations	2021-22	Short-term Certificate Program	Self Sponsored/Supported	Center for Continuing Education	22-1 2021 00:00
96	Introduction to Futuristic Research and Innovations	2021-22	Short-term Certificate Program	Self Sponsored/Supported	Center for Continuing Education	07-0 2022 00:00
97	Power Market Economics and Operation	2021-22	Short-term Certificate Program	Self Sponsored/Supported	Center for Continuing Education	26-0 2022 00:00
98	Entrepreneurship Summit	2021-22	Entrepreneurship Development Program (EDP)	Self Sponsored/Supported	Student Entrepreneurship Cell (E Cell)	21-0 2022 00:00
99	Upstart	2021-22	Entrepreneurship Development Program (EDP)	Self Sponsored/Supported	Student Entrepreneurship Cell (E Cell)	04-0 2022 00:00
100	Business Conclave	2020-21	Entrepreneurship Development Program (EDP)	Self Sponsored/Supported	Student Entrepreneurship Cell (E Cell)	12-0 2021 00:00
101	Startup Master Class	2020-21	Entrepreneurship Development Program (EDP)	Self Sponsored/Supported	Student Entrepreneurship Cell (E Cell)	21-0 2021 00:00

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

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

Sr. No.	Type of the Unit	Name of Unit	In-charge Name	Contact no	Email	Govt. Schemes
1	Start-Up Cell	Startup Incubation and Innovation Center (SIIC)	Dr. Amitabha Bandyopadhyay	5122597057	abandopa@iitk.ac.in	Mentoring Support,Se Grant Support,Pre-Incubation Facility Support (Idea to Prototype and Innova Business Plan Development),Incuba Facility Support (Innovative Business Model to Startup and Market Linkage & Growth Stage),Investment - Angel a
2	Tinkering Lab	Prayas shala	Dr. Amitabha Bandyopadhyay	5122597057	abandopa@iitk.ac.in	Pre-Incubation Facility Support (Idea to Prototype and Innova Business Plan Development)
3	Innovation Cell	BioNest	Dr. Amitabha Bandyopadhyay	5122597057	abandopa@iitk.ac.in	Pre-Incubation Facility Support (Idea to Prototype and Innova Business Plan Development)
4	EDC	Scheme for Managing Incubation Centers for Project development and incubation (MOLE)	Dr. Amitabha Bandyopadhyay	5122597057	abandopa@iitk.ac.in	Pre-Incubation Facility Support (Idea to Prototype and Innova Business Plan Development)
5	Innovation Cell	National Multi-disciplinary Innovation Laboratory	Dr. B. V. Phani	5122597057	bvphani@iitk.ac.in	Pre-Incubation Facility Support (Idea to Prototype and Innova Business Plan Development)

Sr. No.	Type of the Unit	Name of Unit	In-charge Name	Contact no	Email	Govt. Schemes
6	Start-Up Cell	FIRST Innovation Hub Noida (Building 1 & 2)	Dr. Amitabha Bandyopadhyay	5122597057	abandopa@iitk.ac.in	Mentoring Support,Se Grant Support,Pre-Incubation Facility Support (Idea to Prototype and Innova Business Plan Development),Incuba Facility Support (Innovative Business Model to Startup and Market Linkage & Growth Stage),Investment - Angel a
7	Start-Up Cell	AIIDE CENTRE OF EXCELLENCE (2 Floor , FIRST Innovation Hub Noida)	Dr. Amitabha Bandyopadhyay	5122597057	abandopa@iitk.ac.in	Mentoring Support,Se Grant Support,Pre-Incubation Facility Support (Idea to Prototype and Innova Business Plan Development),Incuba Facility Support (Innovative Business Model to Startup and Market Linkage & Growth Stage),Investment - Angel a

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

Sr. No.	Name of Unit	In-charge Name	Contact no	Email	Govt. Schemes
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Sr. No.	Name of Unit	In-charge Name	Contact no	Email	Govt. Schemes
1	Startup Incubation and Innovation Centre (SIIC), Foundation for Innovation in Research, Science and Technology (FIRST)	Dr. Amitabha Bandyopadhyay	5122597057	abandopa@iitk.ac.in	DBT/BIRAC,DST/NSTEDB/NIDHI Resource,Other Central/State C
2	4i section, Imagineering Lab	Dr. J Ramkumar	5126797546	jr Kumar@iitk.ac.in	DBT/BIRAC
3	Tinkering section, Imagineering Lab	Dr. J Ramkumar	5126797546	jr Kumar@iitk.ac.in	DBT/BIRAC
4	Central Workshop section, Imagineering Lab	Dr. J Ramkumar	5126797546	jr Kumar@iitk.ac.in	DBT/BIRAC
5	MedTech section, Imagineering Lab	Dr. J Ramkumar	5126797546	jr Kumar@iitk.ac.in	DBT/BIRAC
6	IIT Kanpur Research and Technology Park Foundation, Technopark	Dr G M Kamath	9886956208	pic@technopark.iitk.com	Other Central/State Governme

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, Startup Incubation & Innovation Centre (SIIC), IIT Kanpur	Dr. Amitabha Bandyopadhyay	9454741882	abandopa@iitk.ac.in	Mentoring Support
2	Technology Transfer Centre /TTO	Technology Transfer Cell, Startup Incubation & Innovation Centre (SIIC), IIT Kanpur	Dr. Amitabha Bandyopadhyay	9454741882	abandopa@iitk.ac.in	Mentoring Support
3	Technology Transfer Centre /TTO	NRDC-IITK Innovation Facilitation Centre	Dr. Amitabha Bandyopadhyay	9454741882	abandopa@iitk.ac.in	Mentoring Support

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
1	Advanced Pediatric Spica Table	Independent Assignment/Non-academic Study Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	Ashish Sharma

Sr. No.	Innovation Name	Developed as part of	FY of Development (FY. 2020-21,2021-22)	TRL Stage	Team Lead/Inn Name
2	AUTOMATED DISHWASHER FOR INDIAN FOOD PLATE CLEANING	Independent Assignment/Non-academic Study Project	2021-22	TRL 7 : Demonstration system operating in operational environment at pre-commercial scale	Anivesh Chaturvec
3	Thin, flexible and wideband FSS integrated nanocomposite based hybrid microwave absorber for stealth and advanced absorbers for EMI shielding applications	Academic Research Assignment/Industry Sponsored Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	VISHAL KI CHAKRAD
4	Veinoeye	Independent Assignment/Non-academic Study Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	Owais Ahr
5	A Portable CPAP machine for Sleep Apnea/COPD patients at affordable price, indigenously manufactured with battery backup and low cost spares.	Independent Assignment/Non-academic Study Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	KANIKA BANSAL
6	ArQuantum	Independent Assignment/Non-academic Study Project	2021-22	TRL 7 : Demonstration system operating in operational environment at pre-commercial scale	Shamsher Bahadur

Sr. No.	Innovation Name	Developed as part of	FY of Development (FY. 2020-21,2021-22)	TRL Stage	Team Lead/Inn Name
7	NV-CORE - Continuously monitors core body temperature non-invasively	Independent Assignment/Non-academic Study Project	2021-22	TRL 9 : Full commercial application, technology available for consumers	Dinesh kandukuri
8	DeeScope: A Novel Integrated System for Gynaecological Examination	Independent Assignment/Non-academic Study Project	2021-22	TRL 5 : Large scale prototype tested in intended environment	Abhishek
9	SIMACTRICALS PRIVATE LIMITED	Independent Assignment/Non-academic Study Project	2021-22	TRL 6 : Prototype system tested in intended environment close to expected performance	Mihir Mist
10	Progressive Cryoaggregation of Gold Nanoparticles and its use in Coldness Indicators with Shade Cards and Thereof	Academic Research Assignment/Industry Sponsored Project	2021-22	TRL 5 : Large scale prototype tested in intended environment	Ashok Kur
11	Polymeric matrix for haemostatic application and therapeutic bandage thereof	Academic Research Assignment/Industry Sponsored Project	2021-22	TRL 7 : Demonstration system operating in operational environment at pre-commercial scale	Ashok Kur

Sr. No.	Innovation Name	Developed as part of	FY of Development (FY. 2020-21,2021-22)	TRL Stage	Team Lead/Inn Name
12	Process for the Laser Assisted Synthesis of Nano-hydroxyapatite and Thereof	Academic Research Assignment/Industry Sponsored Project	2021-22	TRL 5 : Large scale prototype tested in intended environment	Ashok Kur
13	Portable Cutlery Set	Academic Research Assignment/Industry Sponsored Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	Syam Nair
14	Tactile Watch for Visually Impaired	Academic Research Assignment/Industry Sponsored Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	Siddharth Panda
15	A Circular Interactive Lamp and Method Thereof	Academic Research Assignment/Industry Sponsored Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	Siddharth Panda
16	A Wearable Device With Smart Timer	Academic Research Assignment/Industry Sponsored Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	Siddharth Panda

Sr. No.	Innovation Name	Developed as part of	FY of Development (FY. 2020-21,2021-22)	TRL Stage	Team Lead/Inn Name
17	An Electrochemical Device for Glucose Detection	Academic Research Assignment/Industry Sponsored Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	Siddharth Panda
18	A System for an Electrochemical Detection of Glucose	Academic Research Assignment/Industry Sponsored Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	Siddharth Panda
19	System and Method for Music Training	Academic Research Assignment/Industry Sponsored Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	Vipul Aror
20	Lateral Flow Immunoassay based Point of Care Diagnostic Device for Ultrasensitive Colorimetric Detection of Dengue	Academic Research Assignment/Industry Sponsored Project	2021-22	TRL 6 : Prototype system tested in intended environment close to expected performance	Shantanu Bhattacha
21	Power Management for Wearable Electronic Systems	Academic Research Assignment/Industry Sponsored Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	Siddharth Panda

Sr. No.	Innovation Name	Developed as part of	FY of Development (FY. 2020-21,2021-22)	TRL Stage	Team Lead/Inn Name
22	Data Storage from Sensor Array	Academic Research Assignment/Industry Sponsored Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	Siddharth Panda
23	System And Method for Image Standardization	Academic Research Assignment/Industry Sponsored Project	2021-22	TRL 7 : Demonstration system operating in operational environment at pre-commercial scale	K S Venka
24	Receiver Unit for Wireless Charging System	Academic Research Assignment/Industry Sponsored Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	Nandini G
25	Method And Apparatus for the Treatment of Industrial Wastewater	Academic Research Assignment/Industry Sponsored Project	2021-22	TRL 9 : Full commercial application, technology available for consumers	Shantanu Bhattacha
26	Bimodal Structure Based Thermal Barrier Coating Composition, Process for Preparation Thereof, and Substrate Coated Therewith	Academic Research Assignment/Industry Sponsored Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	Knatesh B

Sr. No.	Innovation Name	Developed as part of	FY of Development (FY. 2020-21,2021-22)	TRL Stage	Team Lead/Inn Name
27	An Optimized Transgene for an Oculargene Therapy	Academic Research Assignment/Industry Sponsored Project	2021-22	TRL 5 : Large scale prototype tested in intended environment	Jayandhai Giridhara
28	A Mobile Gadget for Soil Nutrition Detection	Academic Research Assignment/Industry Sponsored Project	2021-22	TRL 9 : Full commercial application, technology available for consumers	Jayant Ku Singh
29	Disease Modifying Drug Combinations for the Treatment of Osteoarthritis	Academic Research Assignment/Industry Sponsored Project	2021-22	TRL 6 : Prototype system tested in intended environment close to expected performance	Dhirendra Katti
30	Surface Modified Targeted Nanoparticles Carrying Shigella Antigens	Academic Research Assignment/Industry Sponsored Project	2021-22	TRL 6 : Prototype system tested in intended environment close to expected performance	Dhirendra Katti
31	BHU PARIKSHAK	Independent Assignment/Non-academic Study Project	2021-22	TRL 9 : Full commercial application, technology available for consumers	Rajat Varc

Sr. No.	Innovation Name	Developed as part of	FY of Development (FY. 2020-21,2021-22)	TRL Stage	Team Lead/Inn Name
32	Switched-sink Bidirectional Power Amplifier	Academic Research Assignment/Industry Sponsored Project	2021-22	TRL 6 : Prototype system tested in intended environment close to expected performance	Santanu K Mishra
33	Power Widder	Independent Assignment/Non-academic Study Project	2021-22	TRL 9 : Full commercial application, technology available for consumers	Akshay Dipakrao Kawale
34	A Differential Transformer Based Voltage Converter and Method Thereof	Academic Research Assignment/Industry Sponsored Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	Santanu K Mishra
35	A SYSTEM FOR FACILITATING TWO-DIMENSIONAL FLUID MOVEMENT OF AN OBJECT OVER AN AREA	Academic Research Assignment/Industry Sponsored Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	Bishakh Battachar
36	A Process for Synthesis of Bio-degradable-Carbonoid-Metabolite Nanoparticles (BioDCM-NPs)	Academic Research Assignment/Industry Sponsored Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	Santosh K Misra

Sr. No.	Innovation Name	Developed as part of	FY of Development (FY. 2020-21,2021-22)	TRL Stage	Team Lead/Inn Name
37	SYSTEM AND METHOD FOR MANAGING VIRTUAL LEARNING PROCESS	Academic Research Assignment/Industry Sponsored Project	2021-22	TRL 6 : Prototype system tested in intended environment close to expected performance	Amey Karl
38	Novel Gear Based Actuation Mechanism for Spacecraft's Attitude Control Focused on Fault-tolerance	Academic Research Assignment/Industry Sponsored Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	Dipak Kun Giri
39	NANOTHYLAKOIDS FOR SELECTIVE REMOVAL OF ANTIBIOTIC- AND METAL- RESISTANT BACTERIA FROM POLLUTED WATER	Academic Research Assignment/Industry Sponsored Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	Niraj Sinha
40	Bipennate Muscle Architecture-based Shape Memory Alloy Embedded Hierarchical Actuator	Academic Research Assignment/Industry Sponsored Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	Bishakh Battachar
41	Method of Joining Hafnium-and Zirconium-diborides Based Ultra-high Temperature Ceramic and Composites Thereof using Nickel Interlayer	Academic Research Assignment/Industry Sponsored Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	Knatesh B

Sr. No.	Innovation Name	Developed as part of	FY of Development (FY. 2020-21,2021-22)	TRL Stage	Team Lead/Inn Name
42	A Washable and Reusable Facemask Comprising PVDF Composite Nanofibers and A Process for Synthesis of PVDF Composite Nanofibers	Academic Research Assignment/Industry Sponsored Project	2021-22	TRL 5 : Large scale prototype tested in intended environment	Manish Madhukar Kulkarni
43	A Process for Preparing A Reusable Adhesive and Product	Academic Research Assignment/Industry Sponsored Project	2021-22	TRL 7 : Demonstration system operating in operational environment at pre-commercial scale	Animangs Ghatak
44	Eco-friendly Ink Formulation of Resistive ink for Roller Ball Pen	Academic Research Assignment/Industry Sponsored Project	2021-22	TRL 7 : Demonstration system operating in operational environment at pre-commercial scale	Y N Moha
45	A Photon-Sinterable and Oxidation Resistant Copper Paste for Making Conducting Lines and Process Thereof	Academic Research Assignment/Industry Sponsored Project	2021-22	TRL 5 : Large scale prototype tested in intended environment	Y N Moha
46	A Power Amplifier MMIC Design to Compensate Frequency Dependent Behavior	Academic Research Assignment/Industry Sponsored Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	Yogesh Si Chauhan

Sr. No.	Innovation Name	Developed as part of	FY of Development (FY. 2020-21,2021-22)	TRL Stage	Team Lead/Inn Name
47	High Capacity Chipless RFID Tags	Academic Research Assignment/Industry Sponsored Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	A. R. Haris
48	Chemosensitization of Castrate-resistant Prostate Cancer to PARP Inhibitors by MALAT1 Ablation	Academic Research Assignment/Industry Sponsored Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	Bushra At
49	Method and System for Synchronizing Operation of A Frequency-coded Quantum Key Distribution System	Academic Research Assignment/Industry Sponsored Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	Pradeep K K
50	E.coli water testing kit	Independent Assignment/Non-academic Study Project	2021-22	TRL 9 : Full commercial application, technology available for consumers	Indra Sekt Sen
51	Indigenous 5G/5Gi network solution	Academic Research Assignment/Industry Sponsored Project	2021-22	TRL 7 : Demonstration system operating in operational environment at pre-commercial scale	Rohit Bud

Sr. No.	Innovation Name	Developed as part of	FY of Development (FY. 2020-21,2021-22)	TRL Stage	Team Lead/Inn Name
52	Brain Computer Interface (BCI) based hand exoskeleton for neuro-rehabilitation of stroke patients	Academic Research Assignment/Industry Sponsored Project	2021-22	TRL 6 : Prototype system tested in intended environment close to expected performance	Ashish Du
53	A Process for Creating Flexible Paper Circuitry	Academic Research Assignment/Industry Sponsored Project	2020-21	TRL 8 : First of a kind commercial system. Manufacturing issues solved	Y N Moha
54	Thermostable Human Insulin and Uses Thereof	Academic Research Assignment/Industry Sponsored Project	2020-21	TRL 5 : Large scale prototype tested in intended environment	Sandeep \
55	Air Quality Monitoring Device and Method Thereof	Academic Research Assignment/Industry Sponsored Project	2020-21	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	Sachchida Tripathi
56	Method of Fabricating Polymer/beeswax Composite Nanofibers with Controllable Surface Morphology using Electrospinning Technique	Academic Research Assignment/Industry Sponsored Project	2020-21	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	Manish Madhukar Kulkarni

Sr. No.	Innovation Name	Developed as part of	FY of Development (FY. 2020-21,2021-22)	TRL Stage	Team Lead/Inn Name
57	A System for Origami Based Re-configurable Antenna with Steering Mechanism	Academic Research Assignment/Industry Sponsored Project	2020-21	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	Bishakh Battachar
58	Speed Control System for Pipe Health Monitoring Robot	Academic Research Assignment/Industry Sponsored Project	2020-21	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	Bishakh Battachar
59	A Protective Respirator System and Method Thereof	Academic Research Assignment/Industry Sponsored Project	2020-21	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	Nachiketa Tiwari
60	A Fullerene C60 Nanoformulation for Accelerated Tissue Repair	Academic Research Assignment/Industry Sponsored Project	2020-21	TRL 5 : Large scale prototype tested in intended environment	Ashwani K Thakur
61	A Process for Sterilisation of Ultra-high Molecular Weight Polyethylene and its Nanocomposites	Academic Research Assignment/Industry Sponsored Project	2020-21	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	Knatesh B

Sr. No.	Innovation Name	Developed as part of	FY of Development (FY. 2020-21,2021-22)	TRL Stage	Team Lead/Inn Name
62	A Portable Handheld Infrared Thermometer and Its Method of Operation	Academic Research Assignment/Industry Sponsored Project	2020-21	TRL 6 : Prototype system tested in intended environment close to expected performance	Baquer M.
63	Portable Smart Device for Determination of Soil Nutrients	Academic Research Assignment/Industry Sponsored Project	2020-21	TRL 7 : Demonstration system operating in operational environment at pre-commercial scale	Jayant Ku Singh
64	A Vessel and A Method for Purifying Water and Monitoring Quality of Water	Academic Research Assignment/Industry Sponsored Project	2020-21	TRL 5 : Large scale prototype tested in intended environment	Indra Sekt Sen
65	Adaptive Minimum Quantity Lubricant System and Process for Monitoring and Controlling Temperature During Machining Operation	Academic Research Assignment/Industry Sponsored Project	2020-21	TRL 9 : Full commercial application, technology available for consumers	Sounak Ku Choudhur
66	A Single-dose Nanovaccine for Shigellosis and Process for Synthesis Thereof	Academic Research Assignment/Industry Sponsored Project	2020-21	TRL 6 : Prototype system tested in intended environment close to expected performance	Dhirendra Katti

Sr. No.	Innovation Name	Developed as part of	FY of Development (FY. 2020-21,2021-22)	TRL Stage	Team Lead/Inn Name
67	Stiff and Resilient Injectable Silk-based Hydrogels for Cartilage Regeneration	Academic Research Assignment/Industry Sponsored Project	2020-21	TRL 5 : Large scale prototype tested in intended environment	Dhirendra Katti
68	Nanoparticle-based Drug Delivery System for Niclosamide and a Combination Thereof	Academic Research Assignment/Industry Sponsored Project	2020-21	TRL 5 : Large scale prototype tested in intended environment	Dhirendra Katti
69	Nickel Based Amorphous Coating for Line Pipe Steel, for Prevention of Atmospheric Corrosion and Hydrogen Embrittlement	Academic Research Assignment/Industry Sponsored Project	2020-21	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	Kallol Mor
70	Sulfated Carboxymethylcellulose Functionalized Electrospun Fibers for Electrostatic Immobilization of Cationic Molecules	Academic Research Assignment/Industry Sponsored Project	2020-21	TRL 5 : Large scale prototype tested in intended environment	Dhirendra Katti
71	A Press Milling Apparatus for Generating Harmonic Structures and Method Thereof	Academic Research Assignment/Industry Sponsored Project	2020-21	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	Kallol Mor
72	Human Hair Derived Activated Carbon Nanosheets, Process of Preparation and Application Thereof	Academic Research Assignment/Industry Sponsored Project	2020-21	TRL 5 : Large scale prototype tested in intended environment	Kamal K. K

Sr. No.	Innovation Name	Developed as part of	FY of Development (FY. 2020-21,2021-22)	TRL Stage	Team Lead/Inn Name
73	Catalyst for Oxygen Reduction Reaction for Fuel Cells and Method of Manufacturing Same	Academic Research Assignment/Industry Sponsored Project	2020-21	TRL 7 : Demonstration system operating in operational environment at pre-commercial scale	Kamal K. I
74	Real-time Spherical Omnidirectional Visual Gyroscope	Academic Research Assignment/Industry Sponsored Project	2020-21	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	K S Venka
75	A Lateral Flow Immunoassay (LFIA) Strip and a Process for Assembling Thereof	Academic Research Assignment/Industry Sponsored Project	2020-21	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	Siddharth Panda
76	A Solar Energy Based Heating System for Plants' Root Zone and Vermi-Bed and Method Thereof	Academic Research Assignment/Industry Sponsored Project	2020-21	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	Mukesh Si
77	Nickel Based Amorphous Coating for Line Pipe Steel, for Prevention of Atmospheric Corrosion and Hydrogen Embrittlement	Academic Requirement/Study Project	2020-21	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	Siddharth Panda

Sr. No.	Innovation Name	Developed as part of	FY of Development (FY. 2020-21,2021-22)	TRL Stage	Team Lead/Inn Name
78	Electrochemical Sensor For Bilirubin Analysis in Human Blood/ Serum	Academic Research Assignment/Industry Sponsored Project	2020-21	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	Siddharth Panda
79	Sensor Patch for Cancer Screening	Academic Research Assignment/Industry Sponsored Project	2020-21	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	Siddharth Panda
80	IP protected Biofertilizer and end to end bio-organic solutions for chemical free agriculture ensuring optimal yield	Independent Assignment/Non-academic Study Project	2020-21	TRL 8 : First of a kind commercial system. Manufacturing issues solved	Amlan Dal
81	A Thermally Stable and Reinforced Polypropylene-SiC Nanocomposite, A Method and Application Thereof	Academic Research Assignment/Industry Sponsored Project	2020-21	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	Janakaraj; Ramkuma
82	Jaw Opening device for Diagnostic Inspection	Academic Research Assignment/Industry Sponsored Project	2020-21	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	Janakaraj; Ramkuma

Sr. No.	Innovation Name	Developed as part of	FY of Development (FY. 2020-21,2021-22)	TRL Stage	Team Lead/Inn Name
83	A Walking Device for Enhancing Capabilities of a Visually Impaired Person	Academic Research Assignment/Industry Sponsored Project	2020-21	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	Janakaraj; Ramkuma
84	An adaptive method for food categorization based on emitted gases and their concentration	Academic Research Assignment/Industry Sponsored Project	2020-21	TRL 5 : Large scale prototype tested in intended environment	Siddharth Panda
85	A Tactile Electronics Device for Visually Impaired	Academic Research Assignment/Industry Sponsored Project	2020-21	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	Siddharth Panda
86	Novel Multipurpose Watch for the Blind and Visually Impaired Person	Academic Research Assignment/Industry Sponsored Project	2020-21	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	Siddharth Panda
87	Data Acquisition from Sensor Array	Academic Research Assignment/Industry Sponsored Project	2020-21	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	Siddharth Panda

Sr. No.	Innovation Name	Developed as part of	FY of Development (FY. 2020-21,2021-22)	TRL Stage	Team Lead/Inn Name
88	Techniques for cancer determination	Academic Research Assignment/Industry Sponsored Project	2020-21	TRL 6 : Prototype system tested in intended environment close to expected performance	Siddharth Panda
89	An Automatic Safety Gate System for Staircase	Academic Research Assignment/Industry Sponsored Project	2020-21	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	Janakaraj Ramkuma
90	AN AUTOMATIC PAGE TURNING DEVICE AND METHOD THEREOF	Academic Requirement/Study Project	2019-20	TRL 5 : Large scale prototype tested in intended environment	Ramprasa Potluri
91	PROTECTIVE LAYER FOR MICROWAVE METAMATERIAL ABSORBERS AND METHOD THEREOF	Academic Research Assignment/Industry Sponsored Project	2019-20	TRL 5 : Large scale prototype tested in intended environment	Janakaraj Ramkuma
92	Integrite - Cyber Security Exposure and Risk Monitoring Platform	Independent Assignment/Non-academic Study Project	2019-20	TRL 9 : Full commercial application, technology available for consumers	Nandakish Harikuma

Sr. No.	Innovation Name	Developed as part of	FY of Development (FY. 2020-21,2021-22)	TRL Stage	Team Lead/Inn Name
93	AN APPARATUS FOR MICRO-RESOLUTION PHASOR MEASUREMENT	Academic Requirement/Study Project	2019-20	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	Ankush S†
94	APPARATUS FOR PERFORMING AN ELECTROCHEMICAL MICRO-MACHINING PROCESS	Academic Research Assignment/Industry Sponsored Project	2019-20	TRL 5 : Large scale prototype tested in intended environment	Janakaraji Ramkuma
95	CloudOptimo	Independent Assignment/Non-academic Study Project	2019-20	TRL 9 : Full commercial application, technology available for consumers	Vaibhav K
96	GENE DELIVERY VECTOR AND METHOD THEREOF	Academic Research Assignment/Industry Sponsored Project	2019-20	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	Jayandhai Giridhara
97	RECOMBINANT ADENO-ASSOCIATED VECTORS AND METHOD THEREOF	Academic Requirement/Study Project	2019-20	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	Jayandhai Giridhara

Sr. No.	Innovation Name	Developed as part of	FY of Development (FY. 2020-21,2021-22)	TRL Stage	Team Lead/Inn Name
98	A SYSTEM AND METHOD FOR DETECTION OF KEYSTROKE USING DEFOCUS	Academic Research Assignment/Industry Sponsored Project	2019-20	TRL 5 : Large scale prototype tested in intended environment	K S Venka
99	ORTHOGRAPHIC IMAGE GENERATOR	Academic Research Assignment/Industry Sponsored Project	2019-20	TRL 6 : Prototype system tested in intended environment close to expected performance	K S Venka
100	AN IMPROVED TISSUE ENGINEERING SCAFFOLD AND A METHOD FOR FABRICATION THEREOF	Academic Research Assignment/Industry Sponsored Project	2019-20	TRL 5 : Large scale prototype tested in intended environment	Sri Sivaku
101	Targeted AAV vector, pro-apoptotic gene, myeloid leukemia and methods	Academic Research Assignment/Industry Sponsored Project	2019-20	TRL 6 : Prototype system tested in intended environment close to expected performance	Jayandhai Giridhara
102	PAPER BASED MULTI-LAYERED EPIDERMAL EQUIVALENT AND METHODS FOR THE PRODUCTION THEREOF	Academic Research Assignment/Industry Sponsored Project	2019-20	TRL 5 : Large scale prototype tested in intended environment	Sri Sivaku

Sr. No.	Innovation Name	Developed as part of	FY of Development (FY. 2020-21,2021-22)	TRL Stage	Team Lead/Inn Name
103	TISSUE ENGINEERING SCAFFOLD DERIVED FROM PLANT BASED MATERIAL	Academic Research Assignment/Industry Sponsored Project	2019-20	TRL 5 : Large scale prototype tested in intended environment	Sri Sivaku
104	COMBINATION OF NICLOSAMIDE AND DOXORUBICIN	Academic Research Assignment/Industry Sponsored Project	2019-20	TRL 5 : Large scale prototype tested in intended environment	Dhirendra Katti
105	A Highly-stable Therapeutic Protein Antigen having Vaccine Application against Shigellosis	Academic Research Assignment/Industry Sponsored Project	2019-20	TRL 5 : Large scale prototype tested in intended environment	Dhirendra Katti
106	NANOPARTICULATE FORMULATION FOR DIAGNOSIS AND/OR TREATMENT OF CANCER	Academic Research Assignment/Industry Sponsored Project	2019-20	TRL 5 : Large scale prototype tested in intended environment	Dhirendra Katti
107	COMMUNITY BASED INTEGRATED WATER FILTER SYSTEM FOR CLEAN DRINKING WATER	Academic Research Assignment/Industry Sponsored Project	2019-20	TRL 6 : Prototype system tested in intended environment close to expected performance	Ashok Kur

Sr. No.	Innovation Name	Developed as part of	FY of Development (FY. 2020-21,2021-22)	TRL Stage	Team Lead/Inn Name
108	SIMULATED MARINE ENVIRONMENT DEVICE FOR CORROSION TESTING	Academic Research Assignment/Industry Sponsored Project	2019-20	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	Kallol Mor
109	HIGHLY POROUS EARTHENWARE MATERIAL WITH HIGH DAMPING PROPERTY AND METHOD THEREOF	Academic Research Assignment/Industry Sponsored Project	2019-20	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	Kallol Mor
110	Fabrication of High strength polymer fibers which has more strength than the steel.	Academic Requirement/Study Project	2019-20	TRL 6 : Prototype system tested in intended environment close to expected performance	Dr. Sandip
111	METHOD FOR CLASSIFYING TOUCH RESPONSE ON A CAPACITIVE TOUCH SCREEN PANEL AND APPARATUS THEREOF	Academic Research Assignment/Industry Sponsored Project	2019-20	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	K S Venka
112	TAURINE FUNCTIONALIZED DIKETOPIPERAZINE AND PROCESS TO SYNTHESISE THE SAME	Academic Research Assignment/Industry Sponsored Project	2019-20	TRL 5 : Large scale prototype tested in intended environment	Ashok Kur

Sr. No.	Innovation Name	Developed as part of	FY of Development (FY. 2020-21,2021-22)	TRL Stage	Team Lead/Inn Name
113	HIGH STRENGTH STEEL COMPOSITION AND METHOD THEREOF	Academic Research Assignment/Industry Sponsored Project	2019-20	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	Kallol Mor
114	DEVICE FOR CALIBRATION FREE MONITORING OF FLUID LEVEL AND METHOD THEREOF	Academic Research Assignment/Industry Sponsored Project	2019-20	TRL 6 : Prototype system tested in intended environment close to expected performance	Baquer M.
115	A SYSTEM FOR MEASURING NUTRIENT IN THE SOIL AND METHOD THEREOF	Academic Research Assignment/Industry Sponsored Project	2019-20	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	Jayant Ku Singh
116	ELECTRON TRANSPORT LAYER BASED ON DOPED ZNO LAYER AND METHOD THEREOF	Academic Research Assignment/Industry Sponsored Project	2019-20	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	S Sundar t lyer
117	A PERIPHERAL VORTEX REVERSE FLOW COMBUSTOR WITH COAXIAL FUEL INJECTION (PVRFCOAX) AND METHOD THEREOF	Academic Research Assignment/Industry Sponsored Project	2019-20	TRL 5 : Large scale prototype tested in intended environment	Vaibhav K Arghode

Sr. No.	Innovation Name	Developed as part of	FY of Development (FY. 2020-21,2021-22)	TRL Stage	Team Lead/Inn Name
118	NICKEL BASED AMORPHOUS COATING FOR LINE PIPE STEEL, FOR PREVENTING ATMOSPHERIC CORROSION AND HYDROGEN EMBRITTLEMENT	Academic Research Assignment/Industry Sponsored Project	2019-20	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	Kallol Mor
119	SYSTEM AND METHOD FOR A HALL SENSOR-SUPERCONDUCTOR BASED LIMITER OF FAULT CURRENT	Academic Research Assignment/Industry Sponsored Project	2019-20	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	Satyajit Banerjee
120	EXOSOME-ASSOCIATED AAV (VEXOSOME) VECTOR IN SUICIDE GENE THERAPY, COMPOSITIONS AND METHODS THEREOF	Academic Research Assignment/Industry Sponsored Project	2019-20	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	Jayandhar Giridhara
121	LOW NOX FUEL PORT ARRAY BURNER FOR EMISSION CONTROL	Academic Research Assignment/Industry Sponsored Project	2019-20	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	D P Mishr
122	Salvus SeQUr	Independent Assignment/Non-academic Study Project	2019-20	TRL 7 : Demonstration system operating in operational environment at pre-commercial scale	Deepak N

Sr. No.	Innovation Name	Developed as part of	FY of Development (FY. 2020-21,2021-22)	TRL Stage	Team Lead/Inn Name
123	A PROCESS FOR FABRICATION OF ELECTROLYTIC GATED FIELD-EFFECT TRANSISTOR-BASED SENSORS	Academic Research Assignment/Industry Sponsored Project	2019-20	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	Siddharth Panda
124	AN ESPRESSO EMULSIFICATION METHOD FOR SYNTHESIS OF UNIFORM HOLLOW POLYMER NANOPARTICLES	Academic Research Assignment/Industry Sponsored Project	2019-20	TRL 5 : Large scale prototype tested in intended environment	Pranav Ramkrishn Joshi
125	APPARATUS AND METHOD FOR REAL-TIME, IN-SITU MONITORING OF WATER QUALITY	Academic Research Assignment/Industry Sponsored Project	2019-20	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	Bishakh Battachar
126	SYSTEM AND METHOD FOR ESTIMATION OF YAW ANGLE FOR MOBILE OBJECTS	Academic Research Assignment/Industry Sponsored Project	2019-20	TRL 6 : Prototype system tested in intended environment close to expected performance	Mangal Kc
127	CONDUCTIVE AQUA NANO-INK FORMULATION FOR A RANGE OF WRITING INSTRUMENTS	Academic Research Assignment/Industry Sponsored Project	2019-20	TRL 6 : Prototype system tested in intended environment close to expected performance	Y N Moha

Sr. No.	Innovation Name	Developed as part of	FY of Development (FY. 2020-21,2021-22)	TRL Stage	Team Lead/Inn Name
128	A TAMPER DETECTION DEVICE	Academic Research Assignment/Industry Sponsored Project	2019-20	TRL 6 : Prototype system tested in intended environment close to expected performance	Y N Moha
129	Low Cost, Anti-counterfeiting labels	Academic Research Assignment/Industry Sponsored Project	2019-20	TRL 9 : Full commercial application, technology available for consumers	Satish Cha
130	High efficiency compact VTOL UAVs for multitude of applications	Academic Research Assignment/Industry Sponsored Project	2019-20	TRL 9 : Full commercial application, technology available for consumers	Rama Kris
131	METHOD FOR CONTROLLING A COMBUSTION APPARATUS AND CONTROL DEVICE	Academic Research Assignment/Industry Sponsored Project	2019-20	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	Aditya Sat
132	COMBINATION OF FLUORENYLMETHYLOXYCARBONYL CONJUGATED AMINO ACIDS (FMOCA) AND MEMBRANE PERMEABILIZING AGENTS AGAINST GRAM-NEGATIVE BACTERI	Academic Research Assignment/Industry Sponsored Project	2019-20	TRL 6 : Prototype system tested in intended environment close to expected performance	Ashwani K Thakur

Sr. No.	Innovation Name	Developed as part of	FY of Development (FY. 2020-21,2021-22)	TRL Stage	Team Lead/Inn Name
133	A SPRING INDUCED ORNITHOPTER WING DESIGN	Academic Research Assignment/Industry Sponsored Project	2019-20	TRL 6 : Prototype system tested in intended environment close to expected performance	Debopam
134	ANTIBACTERIAL PLATINUM-N-HETEROCYCLIC CARBENECOMPOUNDS AND PROCESS OF PREPARATION THEREOF	Academic Research Assignment/Industry Sponsored Project	2019-20	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	Jitendra E
135	Cyber Security - Identity & Authentication	Independent Assignment/Non-academic Study Project	2019-20	TRL 9 : Full commercial application, technology available for consumers	Magesh K
136	Quality Decor Dzines Pvt Ltd	Independent Assignment/Non-academic Study Project	2019-20	TRL 9 : Full commercial application, technology available for consumers	Vaishali Bi
137	SENSORLESS PERMANENT MAGNET SYNCHRONOUS MOTOR DRIVE WITH ONLINE STATOR RESISTANCE AND LOAD TORQUE ESTIMATION	Academic Research Assignment/Industry Sponsored Project	2019-20	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	S P Das

Sr. No.	Innovation Name	Developed as part of	FY of Development (FY. 2020-21,2021-22)	TRL Stage	Team Lead/Inn Name
138	SUPER BUCK FOR HIGH VOLTAGE STEP DOWN APPLICATIONS	Academic Research Assignment/Industry Sponsored Project	2019-20	TRL 5 : Large scale prototype tested in intended environment	Parthasar. Sensarma
139	A PROCESS FOR SYNTHESIS OF NANO PARTICLES OF $\text{LiNi}_{0.5}\text{Co}_{0.5}\text{PO}_4$ (LNCP) AND USE THEREOF	Academic Research Assignment/Industry Sponsored Project	2019-20	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	Kamal K. I
140	A COMPACT TABLE TOP DIPOLE PLASMA SYSTEM FOR PLASMA PROCESSING	Academic Research Assignment/Industry Sponsored Project	2019-20	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	Sudeep Bhattacha
141	A NOVEL CONTROL SURFACE "AUXIRON" TO OPTIMIZE SOLAR POWER COLLECTION OF SOLAR AIRCRAFT	Academic Research Assignment/Industry Sponsored Project	2019-20	TRL 7 : Demonstration system operating in operational environment at pre-commercial scale	Santanu K Mishra
142	A CIRCUIT AND A METHOD FOR A DC - DC CONVERTER	Academic Research Assignment/Industry Sponsored Project	2019-20	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	Santanu K Mishra

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	GST No	FY of Establishment
1	Primary Healthtech Pvt Ltd	Private Limited Firm (Pvt. Ltd.)	U33301DL2018PTC333152		2021-22
2	Kinoko Biotech	Private Limited Firm (Pvt. Ltd.)	U73100UP2020PTC137195		2021-22
3	Polycycling Solutions Pvt Ltd (NovoEarth)	Private Limited Firm (Pvt. Ltd.)	U37100UP2021PTC154417		2021-22
4	Acculi Labs Private Limited	Private Limited Firm (Pvt. Ltd.)	U72900KA2017PTC103431		2021-22
5	Mend Earth Technologies Pvt Ltd	Private Limited Firm (Pvt. Ltd.)	U74999UP2021PTC142433		2021-22
6	BomLife Pvt Ltd	Private Limited Firm (Pvt. Ltd.)	U74999WB2020PTC242257		2021-22

Sr. No.	Startup/Venture Name	Startup/Venture Registered as	CIN No/LLP/OPC/RC No	GST No	FY of Establishment
7	A Portable CPAP machine for Sleep Apnea/COPD patients at affordable price, indigenously manufactured with battery backup and low cost spares.	Private Limited Firm (Pvt. Ltd.)	U33200TG2021PTC155915		2021-22
8	Brookshire Private Limited	Private Limited Firm (Pvt. Ltd.)	U72900HR2021PTC098230		2021-22
9	Xten Networks India Pvt. Ltd.	Private Limited Firm (Pvt. Ltd.)	U74999KA2018PTC110021		2021-22
10	AI powered Smart Image Management and Cloud Storage Platform for Image Businesses	Private Limited Firm (Pvt. Ltd.)	U72900HR2021PTC095887		2021-22
11	AI Testified Private Limited	Private Limited Firm (Pvt. Ltd.)	U80902DL2020PTC367015		2021-22
12	Rosa Technology Private Limited	Private Limited Firm (Pvt. Ltd.)	U72900JH2019PTC013759		2021-22
13	TEKORANGE ENGINEERING PRIVATE LIMITED	Private Limited Firm (Pvt. Ltd.)	U29308UP2021PTC141949		2021-22
14	Aerosys Aviation India Pvt ltd	Private Limited Firm (Pvt. Ltd.)	U73200UP2020PTC134883		2021-22

Sr. No.	Startup/Venture Name	Startup/Venture Registered as	CIN No/LLP/OPC/RC No	GST No	FY of Establishment
15	Fintek Lifetrue Technologies Private Limited	Private Limited Firm (Pvt. Ltd.)	U24299MH2021PTC364265		2021-22
16	INTELLINEXT INNOVATION PVT. LTD	Private Limited Firm (Pvt. Ltd.)	U72900DL2021PTC384986		2021-22
17	RF Nanocomposites private Limited	Private Limited Firm (Pvt. Ltd.)	U24290UP2021PTC153715		2021-22
18	Glorios Phyto Labs Private Limited	Private Limited Firm (Pvt. Ltd.)	U74999WB2019PTC230230		2021-22
19	Sociodent Private Limited	Private Limited Firm (Pvt. Ltd.)	U74999TN2021PTC141808		2021-22
20	SkyAI Technologies Private Limited	Private Limited Firm (Pvt. Ltd.)	U72900UP2019PTC124588		2021-22
21	T-Sanct Technologies Private Limited	Private Limited Firm (Pvt. Ltd.)	U72900KA2018PTC110442		2021-22
22	Xpanso Technologies Pvt. Ltd.	Private Limited Firm (Pvt. Ltd.)	U74999PN2016PTC164231		2021-22
23	SIMACTRICALS PRIVATE LIMITED	Private Limited Firm (Pvt. Ltd.)	U32107UP2020PTC136191		2021-22
24	Regenmedica Private Limited	Private Limited Firm (Pvt. Ltd.)	U33208UP2022PTC162669		2021-22
25	DESIGNOCARE SOLUTIONS PVT LTD	Private Limited Firm (Pvt. Ltd.)	U74999TG2020PTC139757		2021-22

Sr. No.	Startup/Venture Name	Startup/Venture Registered as	CIN No/LLP/OPC/RC No	GST No	FY of Establishment
26	Treacle Technologies Private Limited	Private Limited Firm (Pvt. Ltd.)	U74999WB2021PTC245854		2021-22
27	Jatayu Healthcare Technologies Private Limited	Private Limited Firm (Pvt. Ltd.)	U72900MH2020PTC351653		2021-22
28	Wachme	Private Limited Firm (Pvt. Ltd.)	U74999UP2017PTC095498		2021-22
29	Arculus Labs Private Limited	Private Limited Firm (Pvt. Ltd.)	U64200UP2021PTC155988		2021-22
30	PredictRAM - Params Data Provider Pvt Ltd	Private Limited Firm (Pvt. Ltd.)	U72200DL2020PTC374889		2021-22
31	Lenek Technologies Private Limited	Private Limited Firm (Pvt. Ltd.)	U33120PN2021PTC204813		2021-22
32	Phraction Scientifics pvt Ltd.	Private Limited Firm (Pvt. Ltd.)	CIN- U33112KL2018PTC054569		2021-22
33	Embright Infotech	Private Limited Firm (Pvt. Ltd.)	U72900KL2017PTC049173		2021-22
34	Farmology	Private Limited Firm (Pvt. Ltd.)	U01100WB2018PTC229465		2021-22
35	Joey Envirotech Pvt. Ltd.	Private Limited Firm (Pvt. Ltd.)	U74999RJ2019PTC065537		2021-22
36	Siddlabs Pvt. Ltd.	Private Limited Firm (Pvt. Ltd.)	U33119MP2021PTC055782		2021-22

Sr. No.	Startup/Venture Name	Startup/Venture Registered as	CIN No/LLP/OPC/RC No	GST No	FY of Establishment
37	NadiPulse Prognostics Pvt Ltd	Private Limited Firm (Pvt. Ltd.)	U74999UP2018PTC107852.		2021-22
38	Camncloud Technologies. Pvt. Ltd.	Private Limited Firm (Pvt. Ltd.)	U72300DL2015PTC285108		2021-22
39	SIMACTRICALS PRIVATE LIMITED	Private Limited Firm (Pvt. Ltd.)	U32107UP2020PTC136191		2021-22
40	Manastik Technologies Pvt. Ltd.	Private Limited Firm (Pvt. Ltd.)	U85300PN2021PTC200778		2021-22
41	Deep Algorithms Solutions Private Limited	Private Limited Firm (Pvt. Ltd.)	U72200TG2021PTC158074		2021-22
42	TIGOS SECURE HARDWARE SOLUTAION	Private Limited Firm (Pvt. Ltd.)	U72500TG2022PTC161346		2021-22
43	Jungly Labs Private Limited	Private Limited Firm (Pvt. Ltd.)	U72300UP2015PTC074145		2021-22
44	Durmeric Naturaceuticals Private Limited	Private Limited Firm (Pvt. Ltd.)	U15549MH2020PTC342154		2021-22
45	Epanipurii kartz	Private Limited Firm (Pvt. Ltd.)	U52609JH2019PTC013581		2021-22
46	NAPID CYBERSEC PRIVATE LIMITED	Private Limited Firm (Pvt. Ltd.)	U72900KA2021PTC149578		2021-22
47	DISECTO TECHNOLOGIES PRIVATE LIMITED	Private Limited Firm (Pvt. Ltd.)	U72900JK2021PTC012397.		2021-22

Sr. No.	Startup/Venture Name	Startup/Venture Registered as	CIN No/LLP/OPC/RC No	GST No	FY of Establishment
48	Kodeleaf Software Pvt Ltd	Private Limited Firm (Pvt. Ltd.)	U72200HR2017PTC071386		2021-22
49	Stree	Private Limited Firm (Pvt. Ltd.)	U74999GA2021PTC014972		2021-22
50	LiWiR e-Security Solutions Pvt Ltd	Private Limited Firm (Pvt. Ltd.)	U72200TG2022PTC161342		2021-22
51	Asatrobo Technologies Pvt Ltd	Private Limited Firm (Pvt. Ltd.)	U74999KA2017PTC100902		2021-22
52	AgroNxt Services Private Limited	Private Limited Firm (Pvt. Ltd.)	U74999DL2016PTC300676		2021-22
53	AgrowSure Products and Innovations Private Limited	Private Limited Firm (Pvt. Ltd.)	U29256MH2022PTC374895		2021-22
54	Akshiva Innovations Private Limited	Private Limited Firm (Pvt. Ltd.)	U33119UP2021PTC147596		2021-22
55	CyberWarFare R&D Pvt. Ltd.	Private Limited Firm (Pvt. Ltd.)	U74920KA2021PTC148695		2021-22
56	Likhotronics Tech Private Limited	Private Limited Firm (Pvt. Ltd.)	U31909UP2021PTC151962		2021-22
57	HACK-X Security	Private Limited Firm (Pvt. Ltd.)	U72900PN2021PTC202121		2021-22
58	Pi Hemp	Private Limited Firm (Pvt. Ltd.)	U24299HP2021PTC008722		2021-22
59	Threat Guardians Private Limited	Private Limited Firm (Pvt. Ltd.)	U72900UP2022PTC163888		2021-22

Sr. No.	Startup/Venture Name	Startup/Venture Registered as	CIN No/LLP/OPC/RC No	GST No	FY of Establishment
60	Egyanam Technologies Private Limited	Private Limited Firm (Pvt. Ltd.)	UP72900PN2017PTC168795		2021-22
61	AgrowSure Products and Innovations Private Limited	Private Limited Firm (Pvt. Ltd.)	U29256MH2022PTC374895		2021-22
62	AgrowSure Products and Innovations Private Limited	Private Limited Firm (Pvt. Ltd.)	U29256MH2022PTC374895		2021-22
63	CYBERNEXA	Private Limited Firm (Pvt. Ltd.)	U72900TN2018PTC125128		2021-22
64	Atishti Info Labs	Private Limited Firm (Pvt. Ltd.)	U72900GJ2020PTC113655		2021-22
65	OPT-CYBER SECURITY SOLUTIONS P. LTD.	Private Limited Firm (Pvt. Ltd.)	U72900TG2020PTC143904		2021-22
66	Chlorohemp Agrotech Pvt Ltd	Private Limited Firm (Pvt. Ltd.)	U01114DL2018PTC330088		2021-22
67	Green Alloy Technology Pvt. Ltd.	Private Limited Firm (Pvt. Ltd.)	U74999UP2021PTC154456		2021-22
68	Secure Blink	Private Limited Firm (Pvt. Ltd.)	U72900RJ2020PTC068548		2021-22
69	Resonant Electronics Pvt Ltd	Private Limited Firm (Pvt. Ltd.)	U72300DL2015PTC288191		2021-22

Sr. No.	Startup/Venture Name	Startup/Venture Registered as	CIN No/LLP/OPC/RC No	GST No	FY of Establishment
70	Culyech Wave Pvt. Ltd	Private Limited Firm (Pvt. Ltd.)	U80900KL2019PTC059056		2021-22
71	Baud Resources Private Limited	Private Limited Firm (Pvt. Ltd.)	U74999DL2017PTC319693		2021-22
72	OXY NEURON INDIA PRIVATE LIMITED	Private Limited Firm (Pvt. Ltd.)	U73200UP2021PTC146555		2021-22
73	JalSevak Solutions	Private Limited Firm (Pvt. Ltd.)	U37200MH2020PTC343829		2020-21
74	Pradivya Software Pvt Ltd	Private Limited Firm (Pvt. Ltd.)	U72900HR2020PTC087636		2020-21
75	Alphasine Technologies Private Limited	Private Limited Firm (Pvt. Ltd.)	U31900UP2019PTC113220		2020-21
76	HACKLAB SOLUTIONS PRIVATE LIMITED	Private Limited Firm (Pvt. Ltd.)	U74999UP2017PTC089301		2020-21
77	Cycle Spirit Pvt Ltd	Private Limited Firm (Pvt. Ltd.)	U35999UP2021PTC145738		2020-21
78	CRUBN Foundation	SME Registered Unit (Valid GST No.)	null	09AAICC6801E1ZT	2020-21
79	Hindonics	Private Limited Firm (Pvt. Ltd.)	U32109UP2020PTC130346		2020-21
80	Truspectra India Private Limited	Private Limited Firm (Pvt. Ltd.)	U31900PN2019PTC181551		2020-21
81	MLIT 18 Technology Private Limited	Private Limited Firm (Pvt. Ltd.)	U74999MH2018PTC303968		2020-21

Sr. No.	Startup/Venture Name	Startup/Venture Registered as	CIN No/LLP/OPC/RC No	GST No	FY of Establishment
82	Bespoke Health Services Pvt Ltd	Private Limited Firm (Pvt. Ltd.)	U85190TG2019PTC134822		2020-21
83	PratN Technologies	Private Limited Firm (Pvt. Ltd.)	U74999WB2020PTC240659		2020-21
84	Virya Paramita Energy Private Limited	Private Limited Firm (Pvt. Ltd.)	U40100AP2020PTC116478		2020-21
85	LCB Fertilizers Private Limited	Private Limited Firm (Pvt. Ltd.)	U74999UP2020PTC126950		2020-21
86	ProPlant Foods Pvt Ltd (ProMeat)	Private Limited Firm (Pvt. Ltd.)	U15400AS2021PTC021181		2020-21
87	WEREHAB TECHNOLOGIES PRIVATE LIMITED	Private Limited Firm (Pvt. Ltd.)	U85300MH2020PTC351417		2020-21
88	Upagya Engineering Private Limited	Private Limited Firm (Pvt. Ltd.)	U72900DL2019PTC353889		2020-21
89	Arkision AI Pvt. Ltd.	Private Limited Firm (Pvt. Ltd.)	U73100UP2020PTC137653		2020-21
90	E-Trainer Analytics Wizard Pvt. Ltd	Private Limited Firm (Pvt. Ltd.)	U92419DL2020PTC366231		2020-21
91	NISHKAM TECHNOLOGY PRIVATE LIMITED	Private Limited Firm (Pvt. Ltd.)	U72200UP2020PTC131211		2020-21
92	Invariance Automation Pvt. Ltd. Kanpur	Private Limited Firm (Pvt. Ltd.)	U73100UP2020PTC132656		2020-21

Sr. No.	Startup/Venture Name	Startup/Venture Registered as	CIN No/LLP/OPC/RC No	GST No	FY of Establishment
93	Life and Limb Private Limited	Private Limited Firm (Pvt. Ltd.)	U74999UP2020PTC132172		2020-21
94	AiRTH Research Private limited	Private Limited Firm (Pvt. Ltd.)	U73200DL2020PTC365055		2020-21
95	Macrogardens Private Limited	Private Limited Firm (Pvt. Ltd.)	U01100UP2020PTC136693		2020-21
96	Project SAJAL Technologies Private Limited	Private Limited Firm (Pvt. Ltd.)	U74999MH2020PTC343430		2020-21
97	CureAssist	Private Limited Firm (Pvt. Ltd.)	U72900KA2018PTC115278		2020-21

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	PSIT & PSITCOE	Educational Institute	1 ye	Inactive	01-07-2020	View (/Up)
2	"Micro,Small and Medium Enterprises"	Govt. Agency (Central)	0.42	Inactive	04-11-2020	View (/Up)

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
3	AIG Hospital	Corporate/Industry Association	3 ye	Active	04-08-2020	View (/Up)
4	Bharat Petroleum Corporation Limited	Govt. Agency (Central)	5 ye	Active	01-12-2020	View (/Up)
5	Sher-e-Kashmir University of Agricultural Sciences and Technology of Kashmir, India	Educational Institute	1 ye	Inactive	01-08-2020	View (/Up)
6	Srushty Global Solutions Pvt Ltd	Corporate/Industry Association	3 ye	Active	09-07-2021	View (/Up)
7	MSME Chamber of Commerce	Govt. Agency (Central)	1 ye	Inactive	03-07-2021	View (/Up)
8	Punjab National Bank	Non Govt. Agency	5 ye	Active	07-01-2021	View (/Up)
9	SRI SRI RURAL DEVELOPMENT PROGRAMME TRUST	Corporate/Industry Association	1 ye	Active	09-09-2021	View (/Up)
10	Rulezero	IPR Law Firms/Startup	1 ye	Active	08-09-2021	View (/Up)
11	Indian Institute of Management Udaipur	Educational Institute	1 ye	Active	06-10-2021	View (/Up)
12	"BioNEST-BHU"	Incubation Unit	5 ye	Active	06-12-2021	View (/Up)
13	MULTI COMMODITY EXCHANGE OF INDIA LIMITED (MCX)	Corporate/Industry Association	1 ye	Active	08-10-2021	View (/Up)
14	North Delhi Municipal Corporation	Govt. Agency (State)	1 ye	Inactive	08-02-2021	View (/Up)
15	Peltarion AB	Corporate/Industry Association	2 ye	Active	10-01-2022	View (/Up)

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
16	Defence Innovation Organisation- Innovation for defence excellence (DIO-iDEX), Ministry of Defence India	Govt. Agency (Central)	2 ye	Active	10-02-2022	View (/Up)
17	Federation of India Chamber of Commerce	Non Govt. Agency	5 ye	Active	02-03-2022	View (/Up)
18	Rammanohar Lohia Avadh University	Educational Institute	1 ye	Active	09-03-2022	View (/Up)
19	CL Educate Limited	Corporate/Industry Association	0.5	Inactive	04-01-2022	View (/Up)
20	Gititech Private Limited	Corporate/Industry Association	2 ye	Active	05-05-2022	View (/Up)
21	Exotel Techcom Private Limited	Corporate/Industry Association	2 ye	Active	03-06-2022	View (/Up)
22	Enviraj Consulting Private Limited	Corporate/Industry Association	1 ye	Active	07-06-2022	View (/Up)
23	Algo 8 AI Private Limited	Corporate/Industry Association	5 ye	Active	01-06-2022	View (/Up)
24	Vayam Forum for Citizenship	Corporate/Industry Association	0.33	Active	22-07-2022	View (/Up)
25	Green Gas Limited	Corporate/Industry Association	0.5	Active	14-03-2022	View (/Up)
26	BoDE Foundation	Non Govt. Agency	0.5	Inactive	14-08-2020	View (/Up)
27	Nimbkar Agricultural Research Institute	Non Govt. Agency	0.2	Closed	15-03-2022	View (/Up)

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
28	"Chhattisgarh State minor forest produce (trading and development) CO-OP.FED.LED"	Govt. Agency (State)	1 ye	Inactive	15-10-2020	View (/Up)
29	Info Edge (India) Limited	Corporate/Industry Association	0.75	Inactive	15-06-2020	View (/Up)
30	Change Venture Foundation	Non Govt. Agency	1 ye	Active	16-11-2021	View (/Up)
31	Engineers India Limited through Enviraj	Corporate/Industry Association	1 ye	Active	15-09-2021	View (/Up)
32	ICICI Securities Limited	Non Govt. Agency	1 ye	Inactive	16-04-2020	View (/Up)
33	Department of Vocational, Educational and Skills Development	Govt. Agency (State)	0.5	Inactive	20-10-2020	View (/Up)
34	NUDGE Lifeskills foundation	Non Govt. Agency	5 ye	Active	23-01-2021	View (/Up)
35	Toronto Business Development Centre	International Agency	1 ye	Active	19-09-2021	View (/Up)
36	"Gaia The Earth Foundation (India MUN)"	Non Govt. Agency	1 ye	Active	20-12-2021	View (/Up)
37	NTT DATA Global Delivery Services Private Limited	Corporate/Industry Association	1 ye	Inactive	10-03-2021	View (/Up)
38	National Association of software and services Companies (NaSSCOM)	Non Govt. Agency	5 ye	Active	16-12-2021	View (/Up)

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
39	Gliders India Limited Kanpur	Corporate/Industry Association	5 ye	Active	19-01-2022	View (/Up)
40	Sir Padampat Singhania University	Educational Institute	3 ye	Active	18-01-2022	View (/Up)
41	Rubiscape Private Limited	Corporate/Industry Association	5 ye	Active	17-05-2022	View (/Up)
42	Collective Good Foundation	Non Govt. Agency	1 ye	Inactive	24-05-2021	View (/Up)
43	AIC C.V Raman College of Engineering Foundation	Educational Institute	3 ye	Active	25-07-2021	View (/Up)
44	Himachal Pradesh Forest Department	Govt. Agency (State)	2 ye	Closed	27-02-2020	View (/Up)
45	TUV Rheinland (India) Private Limited	Corporate/Industry Association	2 ye	Active	30-09-2021	View (/Up)
46	EPIC Electronics Products Foundation	Non Govt. Agency	3 ye	Active	25-10-2021	View (/Up)
47	Techinnovadors Ventures Private Limited	Corporate/Industry Association	1 ye	Active	25-10-2021	View (/Up)
48	Usioc Foundation Vs FIRST Vs Acquafont	Non Govt. Agency	1 ye	Active	30-11-2021	View (/Up)
49	International Institute of Information Technology, Naya Raipur	Educational Institute	1 ye	Active	28-01-2022	View (/Up)
50	Chhattisgarh Biotechnology Promotion Society	Non Govt. Agency	1 ye	Active	28-01-2022	View (/Up)
51	Saga Ventures	Non Govt. Agency	3 ye	Active	25-02-2022	View (/Up)

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
52	SDM Sadar Mandi, Govt of Himanchal Pradesh	Govt. Agency (State)	1 ye	Active	28-02-2022	View (/Up)
53	AIC Stipinext Initiatives	Non Govt. Agency	5 ye	Active	06-04-2022	View (/Up)
54	HDFC Bank Limited	Non Govt. Agency	1 ye	Active	24-06-2022	View (/Up)
55	"Acquafront Infrastructure private limited and IIT-Kanpur (EIL)"	Corporate/Industry Association	2 ye	Active	06-10-2020	View (/Up)
56	EIL and IIT Kanpur (Acquafront)	Corporate/Industry Association	2 ye	Active	16-11-2020	View (/Up)
57	"Indeema fibres private limited and IIT Kanpur. (EIL)"	Corporate/Industry Association	1 ye	Inactive	07-10-2020	View (/Up)
58	EIL and IIT Kanpur (Indeema)	Govt. Agency (Central)	1 ye	Inactive	16-11-2020	View (/Up)
59	Agnys waste management private limited and IIT Kanpur. (EIL)	Corporate/Industry Association	1 ye	Inactive	01-02-2021	View (/Up)
60	EIL and IIT Kanpur (Agnys)	Govt. Agency (Central)	1 ye	Inactive	16-11-2020	View (/Up)
61	Engineers India Limited (9 Addendum)	Govt. Agency (Central)	5 ye	Active	04-08-2021	View (/Up)
62	Innobody Systems	Non Govt. Agency	3	Active	05-04-2021	View (/Up)
63	Joey Envirotech Pvt. Ltd	Non Govt. Agency	2	Active	15-04-2021	View (/Up)
64	Edhaa Innovations Private Limited	Non Govt. Agency	2	Active	28-06-2021	View (/Up)

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
65	Design Directions Pvt. Ltd.	Non Govt. Agency	3	Active	07-07-2021	View (/Up)
66	Pinaka Technologies S G Private Limited	Non Govt. Agency	3	Active	07-07-2021	View (/Up)
67	Ghost Vision Pvt Ltd	Non Govt. Agency	2	Active	08-07-2021	View (/Up)
68	Dimension Mechanix Pvt. Ltd	Non Govt. Agency	2	Active	12-07-2021	View (/Up)
69	CSIR-CISO	Govt. Agency (Central)	5	Active	20-09-2021	View (/Up)
70	Adroitec Information Systems Pvt.Ltd	Non Govt. Agency	2	Active	09-02-2022	View (/Up)
71	Kulwanti Hospitals	Non Govt. Agency	3	Active	07-03-2022	View (/Up)
72	Nocca Robotics Private Limited, Kanpur Ford Smart Mobility Indian Private Limited, Chennai	IPR Law Firms/Startup	1	Closed	04-04-2020	View (/Up)
73	Nocca Robotics Private Limited, Kanpur Bharat Dynamics Limited, Hyderabad Foundation for Innovation & Research in Science & Technology, Kanpur	IPR Law Firms/Startup	1	Closed	04-04-2020	View (/Up)
74	CRUBN Foundation, Kanpur	IPR Law Firms/Startup	1	Closed	29-04-2020	View (/Up)
75	Truspectra India Pvt Ltd, Pune	IPR Law Firms/Startup	1	Closed	24-06-2020	View (/Up)

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
76	Inoviron Industries Trading Private Limited, Kanpur	IPR Law Firms/Startup	2	Closed	05-07-2020	View (/Up
77	Transpacks Technologies Pvt Ltd, Lucknow	IPR Law Firms/Startup	1	Closed	10-07-2020	View (/Up
78	Murata Business Engineering India Pvt Ltd (MMC)	IPR Law Firms/Startup	1	Closed	23-09-2020	View (/Up
79	Arboreal Bioinnovations Private Limited, New Delhi.	IPR Law Firms/Startup	1	Closed	23-09-2020	View (/Up
80	Embright Infotech Private Limited, Thiruvananthapuram	IPR Law Firms/Startup	1	Closed	11-11-2020	View (/Up
81	CDSPACE Robotics Private Limited, Maharashtra, Mr. Nikhil Sunil Upadhye	IPR Law Firms/Startup	1	Closed	11-12-2020	View (/Up
82	Avyantra Health Technologies Private Limited, Hyderabad	IPR Law Firms/Startup	1	Closed	19-01-2021	View (/Up
83	Industill Farmtech Private Limited, Pune	IPR Law Firms/Startup	1	Closed	19-01-2021	View (/Up
84	Kanpur Flowercycling Private Limited, Kanpur	IPR Law Firms/Startup	1	Closed	19-01-2021	View (/Up
85	Saptkrishi Scientific Private Limited, Patna	IPR Law Firms/Startup	1	Closed	19-01-2021	View (/Up
86	Inoviron Industries Trading Private Limited, Kanpur	IPR Law Firms/Startup	1	Closed	19-01-2021	View (/Up

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
87	Mr. Siddhant Shrivastava, Kanpur	IPR Law Firms/Startup	1	Closed	19-01-2021	View (/Up
88	MLIT-18 Technology Private Limited, (Nidhi-SSS Program) Mumbai	IPR Law Firms/Startup	1	Closed	12-07-2021	View (/Up
89	Small Industries Development Bank of India (SIDBI), Lucknow	Govt. Agency (Central)	1	Closed	15-07-2021	View (/Up
90	Likhotronics Tech Private Limited, Kanpur	IPR Law Firms/Startup	10	Active	18-02-2022	View (/Up
91	PROSOC Innovators Pvt. Ltd. Kanpur	IPR Law Firms/Startup	8	Active	05-05-2021	View (/Up
92	UPEIDA	Govt. Agency (State)	5	Active	07-06-2022	View (/Up
93	IIM Lucknow Enterprise Incubator Limited	Incubation Unit	1	Active	07-04-2022	View (/Up
94	Netaji Subhas University of Technology - Incubation and Innovation Foundation	Incubation Unit	5	Active	01-08-2021	View (/Up
95	Geo Informatics Consultants Pvt.Ltd.	Non Govt. Agency	2	Active	01-06-2021	View (/Up
96	Morphedo Technologies Pvt. Ltd	Non Govt. Agency	2	Active	29-11-2021	View (/Up

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	Weight Training Device for Cramps, Medical Injury & Exercise in Leg	Design	327146-001	13-02-2020	No
2	Board Game	Design	327501-001	25-02-2020	No
3	Multipurpose Extension Key to reduce human contacts in public Places	Design	329190-001	05-05-2020	No
4	Germ-proof Multiutility Display Cum Service Box	Design	329746-001	02-06-2020	No
5	Collapsible Multiple Drawing Sheets Holding Device	Design	332952-001	08-09-2020	No
6	Three-dimensional Adjustable Video Recording Setup for Smartphones	Design	335731-001	01-12-2020	No
7	Protective Clothing for Breast Cancer Screening (Close View)	Design	336798-001	24-12-2020	No
8	Protective Clothing for Breast Cancer Screening (Open View)	Design	336799-001	24-12-2020	No
9	Project First Steps	Copy Right	21692/2020-CO	29-12-2020	No
10	SITOLIA-The Table Game	Design	340094-001	03-03-2021	No

Sr. No.	Title/Name of IP (Copyright/Design Only)	Type of IP	IP Registration Number of Copyright/Design	Date of Filed/Published	Has this IP(Copyright & Designs Only) been Commercialized/Transferred to Industry/Startup/Society?
11	Box for Portable Hiking Cutlery Set	Design	343129-001	07-05-2021	No
12	Portable Hiking Cutlery Set	Design	343134-001	07-05-2021	No
13	Karma: The Circle of Life	Copy Right	21989/2021-CO	13-09-2021	No
14	Ear Protector	Design	349671-001	17-09-2021	No
15	Educational Board Game	Design	355582-001	27-12-2021	No
16	Jaw Opening Device	Design	355721-001	29-12-2021	No
17	Chainless Bicycle	Design	355719-001	29-12-2021	No
18	Smart Biogas Plant	Design	355718-001	29-12-2021	No
19	Gear Based Jaw Opening Device	Design	355728-001	29-12-2021	No
20	Spring Based Jaw Opening Device	Design	355749-001	29-12-2021	No
21	Chhaviganak Board Game	Copy Right	32045/2021-CO	30-12-2021	No
22	Robotic Three Finger Gripper	Design	355774-001	30-12-2021	No
23	Freewheel Differential Clutch	Design	355773-001	30-12-2021	No
24	Lotus Shaped Holding Device	Design	355860-001	30-12-2021	No
25	Seed Oil Extractor	Design	355861-001	30-12-2021	No
26	Fountain Tower for Wastewater Treatment	Design	355879-001	30-12-2021	No

Sr. No.	Title/Name of IP (Copyright/Design Only)	Type of IP	IP Registration Number of Copyright/Design	Date of Filed/Published	Has this IP(Copyright & Designs Only) been Commercialized/Transferred to Industry/Startup/Society?
27	Sound Amplifier and Reflector for Smart Phones (Close View)	Design	356889-001	18-01-2022	No
28	Sound Amplifier and Reflector for Smart Phones (Open View)	Design	356893-001	18-01-2022	No
29	Matrix Based Electric Heating & Cooling Pad	Design	356960-001	19-01-2022	No
30	Bookshelf and Chair in One	Design	357518-001	28-01-2022	No
31	Learn by Shapes	Copy Right	5346/2022-CO/	11-03-2022	No
32	Smart, Multilinguistic Talking Bot for Learning & Educating Children for Child Abuse	Copy Right	9484/2022-CO/	05-05-2022	No

7.2) Patents Filed by HEI

Sr. No.	Title/Name of Patent	IP Registration Number	Date of Filed/Published
1	A Tamper Detection Device	202021003050	23-01-2020
2	Exosome-associated AAV (vexosome) Vector in Suicide Gene Therapy, Compositions and Methods Thereof	202011003360	24-01-2020
3	A Peripheral Vortex Reverse Flow Combustor with Coaxial Fuel Injection (PVRF-COAX) And Method Thereof	202011004332	31-01-2020
4	An Organic Light Emitting Diode based Cluster Display	202011004431	31-01-2020
5	Taurine Functionalized Diketopiperazine and Process to Synthesise the Same	202011004783	04-02-2020

Sr. No.	Title/Name of Patent	IP Registration Number	Date of Filed/Published
6	Methods for High Throughput Fabrication of Devices Based on Piezo, Pyro, and Ferroelectric Polymers	202011005025	05-02-2020
7	A System for Simult Detection of Cholesterol, Creatinine and Glucose	202011005115	06-02-2020
8	Paper Based Multi-layered Epidermal Equivalent and Methods for the Production Thereof	202011005818	11-02-2020
9	A Process for Synthesizing Defective Titanium Oxide (TiO ₂) Microspheres Coated Glass Beads	202011007915	25-02-2020
10	Combination of Niclosamide and Doxorubicin	202011008213	26-02-2020
11	Nanoparticulate Formulation for Diagnosis and / or Treatment of Cancer	202011009535	05-03-2020
12	Nickel Based Amorphous Coating for Line Pipe Steel, for Preventing Atmospheric Corrosion and Hydrogen Embrittlement	202031009500	05-03-2020
13	System and Method for Hall Sensor-Superconductor Based Limiter of Fault Current	202011011934	19-03-2020
14	Apparatus for Performing an Electrochemical Micro-machining Process	202011012055	20-03-2020
15	Method for Controlling a Combustion Apparatus and Control Device	202047013449	27-03-2020
16	A Hydrogel Dressing for Chronic Wound and Infection and A Process of Preparation Thereof	202011013856	30-03-2020
17	A Photoreactor for Photocatalytic Degradation of Pharmaceutical Pollutants	202011014916	03-04-2020
18	Method for Synthesis of Nanomaterials of Metal Dichalcogenides and Oxides using Microwave Oven under Atmospheric Conditions	202011015195	07-04-2020
19	A Protective Respirator System and Method Thereof	202011016198	15-04-2020
20	Speed Control System for Pipe Health Monitoring Robot	202011016379	15-04-2020
21	Thermostable Human Insulin and Uses Thereof	202011016961	20-04-2020
22	An Adaptive Method for Food Categorization based on Emitted Gases and their Concentration	202011017996	27-04-2020
23	A Fullerene C ₆₀ Nanoformulation for Accelerated Tissue Repair	202011019455	07-05-2020

Sr. No.	Title/Name of Patent	IP Registration Number	Date of Filed/Published
24	Air Quality Monitoring Device and Method Thereof	202011022321	28-05-2020
25	A Vessel and A Method for Purifying Water and Monitoring Quality of Water	202011024458	10-06-2020
26	A Biphasic Ceramic Carrier as a Delivery Vehicle of Anti-tuberculosis Drugs	202011025140	15-06-2020
27	A Walking Device for Enhancing Capabilities of a Visually Impaired Person	202011026370	22-06-2020
28	Human Hair Derived Activated Carbon Nanosheets, Process of Preparation and Application Thereof	202011026603	23-06-2020
29	A Press Milling Apparatus for Generating Harmonic Structures and Method Thereof	202011027557	29-06-2020
30	A Portable Handheld Infrared Thermometer and Its Method of Operation	202011029914	14-07-2020
31	Fluorescence Based Sars-Cov-2 Virus Particle Detection via Membrane Fusion with Synthetic Liposome	202011031211	21-07-2020
32	A System for Origami Based Re-configurable Antenna with Steering Mechanism	202011031690	24-07-2020
33	A Solar Energy Based Heating System for Plants' Root Zone and Vermi-Bed and Method Thereof	202011032686	30-07-2020
34	Nanoparticle-based Drug Delivery System for Niclosamide and a Combination Thereof	202011033005	31-07-2020
35	Electrochemical Sensor For Bilirubin Analysis In Human Blood/ Serum	202011033550	05-08-2020
36	A Fullerene C60 Nano-formulation for Acute Respiratory Distress Syndrome	202011035072	14-08-2020
37	Method of Fabricating Polymer/beeswax Composite Nanofibers with Controllable Surface Morphology using Electrospinning Technique	202011035103	14-08-2020
38	Stiff and Resilient Injectable Silk-based Hydrogels for Cartilage Regeneration	202011037626	01-09-2020
39	A Lateral Flow Immunoassay (LFIA) Strip and a Process for Assembling Thereof	202011040118	16-09-2020
40	Magnesium Modified Rice Straw Biochar Beads for phosphate Uptake	202011042659	01-10-2020

Sr. No.	Title/Name of Patent	IP Registration Number	Date of Filed/Published
41	Adaptive Minimum Quantity Lubricant System and Process for Monitoring and Controlling Temperature During Machining Operation	202011044010	09-10-2020
42	Nickel Based Amorphous Coating for Line Pipe Steel, for Prevention of Atmospheric Corrosion and Hydrogen Embrittlement	202033047371	29-10-2020
43	Nickel Based Amorphous Coating for Line Pipe Steel, for Prevention of Atmospheric Corrosion and Hydrogen Embrittlement	202033047372	29-10-2020
44	A Nanofluid for CO2 Sequestration via Hydrate Formation and Process of Synthesizing Thereof	202011047522	30-10-2020
45	A Process for Creating Flexible Paper Circuitry	202011047915	03-11-2020
46	Screen-printable Ink Formulation with Improved Adhesion on Plastic Substrate and Gas Sensing Properties	202011053233	07-12-2020
47	Techniques for Cancer Determination	202011055304	18-12-2020
48	Sensor Patch for Cancer Screening	202011055305	18-12-2020
49	Data Acquisition from Sensor Array	202011055306	18-12-2020
50	A Thermally Stable and Reinforced Polypropylene-SiC Nanocomposite, A Method and Application Thereof	202011056116	23-12-2020
51	Portable Smart Device for Determination of Soil Nutrients	202011056711	28-12-2020
52	A Tactile Electronics Device for Visually Impaired	202011056913	29-12-2020
53	A Device for Detecting One or More Fragments of DNA	202011056963	29-12-2020
54	Sulfated Carboxymethylcellulose Functionalized Electrospun Fibers for Electrostatic Immobilization of Cationic Molecules	202011057266	30-12-2020
55	Jaw Opening device for Diagnostic Inspection	202011057432	31-12-2020
56	Real-time Spherical Omnidirectional Visual Gyroscope	202011057504	31-12-2020
57	An Automatic Safety Gate System for Staircase	202011056117	23-12-2020
58	Virtual Aperture Mask-lens Assembly for Coded Aperture Technique	202111000739	07-01-2021
59	Perovskite Solar Cell and Method Thereof	202111000910	08-01-2021
60	A Process for Sterilisation of Ultra-high Molecular Weight Polyethylene and its Nanocomposites	202111003442	25-01-2021

Sr. No.	Title/Name of Patent	IP Registration Number	Date of Filed/Published
61	A Single-dose Nanovaccine for Shigellosis and Process for Synthesis Thereof	202111008181	26-02-2021
62	A Tactile Smart Watch for Visually Impaired	202111012450	23-03-2021
63	A Process for Fabricating PANI-CSA Based Temperature Sensor and a Product Thereof	202111012714	24-03-2021
64	Catalyst for Oxygen Reduction Reaction for Fuel Cells and Method of Manufacturing Same	202111013177	25-03-2021
65	A Method for Encapsulating PANI-CSA based Temperature Sensor for Enhancing Humidity Stability and Product Thereof	202111014414	30-03-2021
66	Method And Apparatus for the Treatment of Industrial Wastewater	202111015994	05-04-2021
67	System and Method for Music Training	202111016234	06-04-2021
68	A Multicomponent Diboride Material and Process for Synthesis Thereof	202111016625	08-04-2021
69	Progressive Cryoaggregation of Gold Nanoparticles and its use in Coldness Indicators with Shade Cards and Thereof	202111016562	08-04-2021
70	Portable Cutlery Set	202111016769	09-04-2021
71	Process for the Fabrication of Biodegradable Magnesium-based Alloys for Orthopaedic Applications and Thereof	202111017399	14-04-2021
72	Electrode Substrate for Electrochemical Sensing of Biomolecules	202111021047	10-05-2021
73	"A Process for Producing a Plurality of Sumoylation Targetsite Modified AAV Vector and Product Thereof US Patent"	US - 17/29316	12-05-2021
74	Anti-bacterial Short Chain Conjugated Peptides	202111021540	12-05-2021
75	"A Process for Producing a Plurality of Neddylation Site Modified AAV Vectors US Patent"	US - 17/294,	14-05-2021
76	Lateral Flow Immunoassay based Point of Care Diagnostic Device for Ultrasensitive Colorimetric Detection of Dengue	202111024379	01-06-2021
77	Bipennate Muscle Architecture-based Shape Memory Alloy Embedded Hierarchical Actuator	202111028327	24-06-2021
78	A Nasal Spray Formulation against SARS-CoV-2 and Related Respiratory Viruses	202111031636	14-07-2021

Sr. No.	Title/Name of Patent	IP Registration Number	Date of Filed/Published
79	Eco-friendly Ink Formulation of Resistive ink for Roller Ball Pen	202111032841	21-07-2021
80	Power Management for Wearable Electronic Systems	202111033249	23-07-2021
81	Formulation for Inhibition of SARS-COV-2 Infection and Process for Preparation Thereof	202111033540	26-07-2021
82	Data Storage from Sensor Array	202111034021	28-07-2021
83	An Apparatus for Micro-resolution Phasor Measurement	202111034859	03-08-2021
84	Tactile Watch for Visually Impaired	202111035748	07-08-2021
85	System And Method for Image Standardization	202111036650	13-08-2021
86	Chemosensitization of Castrate-resistant Prostate Cancer to PARP Inhibitors by MALAT1 Ablation	202111037231	17-08-2021
87	Receiver Unit for Wireless Charging System	202111037525	18-08-2021
88	A Packed Bed Microbial Fuel Cell (MFC) to Treat Wastewater in Continuous Mode	202111038920	27-08-2021
89	Bimodal Structure Based Thermal Barrier Coating Composition, Process for Preparation Thereof, and Substrate Coated Therewith	202111039562	01-09-2021
90	Polymeric Matrix for Haemostatic Application and Therapeutic Bandage Thereof	202111039585	01-09-2021
91	Joining of HfB ₂ -ZrB ₂ based UHTCs using Ni-Interlayer	202111041006	09-09-2021
92	Wrist Detection System for a Smartwatch	202111041526	15-09-2021
93	Dial Ring Interface for Hybrid Smartwatches	202111042502	20-09-2021
94	A Washable and Reusable Facemask Comprising PVDF Composite Nanofibers and A Process for Synthesis of PVDF Composite Nanofibers	202111042896	22-09-2021
95	System and Method for Automatic Assessing and Monitoring of a User's Activity	202111043890	27-09-2021
96	High Capacity Chipless RFID Tags	202111045027	04-10-2021
97	Surface Modified Targeted Nanoparticles Carrying Shigella Antigens	202111046357	12-10-2021
98	Spin Independent Fin Deployment Mechanism for Projectile	202111046373	12-10-2021

Sr. No.	Title/Name of Patent	IP Registration Number	Date of Filed/Published
99	An Active-matrix Temperature Sensor Using Four Terminal Thin Film Transistor with Diode-like Source Contact	202111050367	02-11-2021
100	A System for Facilitating Two-dimensional Fluid Movement of an Object Over An Area	202111053668	22-11-2021
101	A Printed Circuit Board (PCB) Based Electro-wetting-on-dielectric (EWOD) Medical Diagnostic System	202111053889	23-11-2021
102	A Process for Synthesis of Polymeric Camphorsulfonic Acid Doped Polyaniline Ink Formulation and Product Thereof	202111055338	30-11-2021
103	Electroporator	202111056568	06-12-2021
104	Process for the Laser Assisted Synthesis of Nano-hydroxyapatite and Thereof	202111059140	18-12-2021
105	System and Method for Managing Virtual Learning Process	202111059263	20-12-2021
106	Simultaneous Temperature and Humidity Insensitivity of Race Track Photonic Ring Resonator	202111059316	20-12-2021
107	Novel Gear Based Actuation Mechanism for Spacecraft's Attitude Control Focused on Fault-tolerance	202111059886	22-12-2021
108	A Power Amplifier MMIC Design to Compensate Frequency Dependent Behavior	202111060670	24-12-2021
109	Struvite-rice Straw Biochar Alginate Compositebeads as Slow-release Nitrogen-phosphorusfertilizer	202111060822	27-12-2021
110	A Wearable Device With Smart Timer	202111060943	27-12-2021
111	Transparent Organic Light Emitting Diode with Maximized Emission in One Direction	202111060993	27-12-2021
112	A Process for Synthesis of Bio-degradable-Carbonoid-Metabolite Nanoparticles (BioDCM-NPs)	202111061106	28-12-2021
113	A Differential Transformer Based Voltage Converter and Method Thereof	202111060937	28-12-2021
114	Nanothyakoids for Selective Removal of Antibiotic- and Metal-Resistant Bacteria from Polluted Water	202111061161	28-12-2021
115	Switched-sink Bidirectional Power Amplifier	202111061395	29-12-2021

Sr. No.	Title/Name of Patent	IP Registration Number	Date of Filed/Published
116	A Method for Synthesizing Max Phase to Prepare MXene for Utilization in Fabrication of Thermoelectric Composites	202111061389	29-12-2021
117	Method and System for Synchronizing Operation of A Frequency-coded Quantum Key Distribution System	202111061672	30-12-2021
118	A Process for Making A House from Recycled Waste Materials	202111061685	30-12-2021
119	Process for Making Collapsible Furniture from Recycled Waste Materials	202111061712	30-12-2021
120	"A Method for Treating Prostate Cancer US Patent"	US - 63/295,0	30-12-2021
121	A Circular Interactive Lamp and Method Thereof	202111061740	30-12-2021
122	"A Differential Transformer Based Voltage Converter and Method Thereof US Patent"	US - 17/566,0	30-12-2021
123	A Photon-Sinterable and Oxidation Resistant Copper Paste for Making Conducting Lines and Process Thereof	202111062099	31-12-2021
124	Disease Modifying Drug Combinations for the Treatment of Osteoarthritis	202211010244	25-02-2022
125	A Mobile Gadget for Soil Nutrition Detection	202211012533	08-03-2022
126	Setup for Shear Strength of Joined Ceramics-based Composites	202211015701	22-03-2022
127	An Electrochemical Device for Glucose Detection	202211016059	23-03-2022
128	A System for an Electrochemical Detection of Glucose	202211016046	23-03-2022
129	An Optimized Transgene for an Oculargene Therapy	202211017896	28-03-2022
130	A Process for Preparing A Reusable Adhesive and Product	202211017974	28-03-2022
131	A Robust Dehazing Algorithm in CIELABCOLOR Space	202211019947	01-04-2022
132	Green High Energetic Density Materials (HEDMs) and Process for Synthesizing the Same	202211021983	13-04-2022
133	A Tri-functional Electrocatalyst and A Process for Preparing the Same	202211022868	19-04-2022
134	A Process for Fabrication of A Chemiresistive Sensor and Product Thereof	202211023454	21-04-2022
135	A Combination of Anti-catabolic and Pro-anabolic Agents for the Treatment of Osteoarthritis	202211023796	22-04-2022

Sr. No.	Title/Name of Patent	IP Registration Number	Date of Filed/Published
136	A Delivery System for Phytobioactives in Bone Healing	202211024100	25-04-2022
137	A Process for Synthesis of Amorphous Alumina Supported NiMo Nano-catalyst for Hydrodesulfurization (HDS) Reaction	202211025020	28-04-2022
138	System and Method for Procedures and Signaling Exchanges for Network-controlled Repeaters	202211025000	28-04-2022
139	Handheld and Portable Smart Diagnostic Device for Early Detection of Oral Cancer	202211027977	16-05-2022
140	Air-heat Drying One-dimensional Compression System	202211029195	20-05-2022
141	Neonatal's Body Temperature Monitor and Recorder (nBTMR)	202211029686	24-05-2022
142	Fixed Wing Vertical Takeoff and Landing Unmanned Aerial Vehicle for Long Distance Cross Country Gas Pipeline	202211029846	24-05-2022
143	Near-infrared Face Image Colorization via Self-supervised Triplet and Feature Map-based 3D Face Reconstruction	202211030287	26-05-2022
144	A Trifunctional Electrocatalyst and Process for Synthesis Thereof	202211031567	02-06-2022
145	A Novel Method for Nuclear Space Debris Mitigation	202211031687	02-06-2022
146	Sensor System to Read MIDI from Indian Harmoniums	202211034064	14-06-2022
147	A Robot System for Automatically Managing Agricultural Activities	202211034166	15-06-2022
148	A Process for Synthesis of A Composite Electrode Material and Product Thereof	202211034283	15-06-2022
149	A Trifunctional Electrocatalyst and Process for Synthesis Thereof	202211035408	21-06-2022
150	An Optimized AAV Vector for Gene Therapy of Muscular Dystrophy	202211036305	24-06-2022
151	Hall Sensor Based Local Vibration Detector (HSLVD) for Monitoring Vibrations in a Structure	202211027574	28-06-2022
152	A Process for Synthesizing a Green Organic Inhibitor for Corrosion Protection of Mild Steel	202211036937	28-06-2022
153	A Reduced Dependency Fast Three-dimensional Face Reconstruction Framework for Real-time Applications	202211037950	01-07-2022
154	A Process for Fabrication of A Biosensor Chip and Product Thereof	202211038520	05-07-2022
155	Planar Trefoil Knot Antennas	202211039732	11-07-2022

Sr. No.	Title/Name of Patent	IP Registration Number	Date of Filed/Published
156	Shoe Insole Heating System	202211041677	21-07-2022

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
1	202111060943	A WEARABLE DEVICE WITH SMART TIMER	27-12-2021	Published	2021	
2	202111060937	A DIFFERENTIAL TRANSFORMER BASED VOLTAGE CONVERTER AND METHOD THEREOF	27-12-2021	Published	2021	
3	202111060791	A SYSTEM FOR BLOCKCHAIN-BASED SERVICE LINK DATA CHECKING AND METHOD THEREOF	25-12-2021	Published	2021	
4	202111059263	SYSTEM AND METHOD FOR MANAGING VIRTUAL LEARNING PROCESS	20-12-2021	Published	2021	
5	202111059140	PROCESS FOR THE LASER ASSISTED SYNTHESIS OF NANO-HYDROXYAPATITE AND THEREOF	18-12-2021	Published	2021	
6	202111056568	ELECTROPORATOR	06-12-2021	Published	2021	
7	202111055338	A PROCESS FOR SYNTHESIS OF POLYMERIC CAMPHORSULFONIC ACID DOPED POLYANILINE INK FORMULATION AND PRODUCT THEREOF	30-11-2021	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
8	202111053889	A PRINTED CIRCUIT BOARD (PCB) BASED ELECTRO-WETTING-ON-DIELECTRIC (EWOD) MEDICAL DIAGNOSTIC SYSTEM	23-11-2021	Published	2021	
9	202111053668	A SYSTEM FOR FACILITATING TWO-DIMENSIONAL FLUID MOVEMENT OF AN OBJECT OVER AN AREA	22-11-2021	Published	2021	
10	202111050367	AN ACTIVE-MATRIX TEMPERATURE SENSOR USING FOUR TERMINAL THIN FILM TRANSISTOR WITH DIODE-LIKE SOURCE CONTACT	02-11-2021	Published	2021	
11	202111046373	SPIN INDEPENDENT FIN DEPLOYMENT MECHANISM FOR PROJECTILE	12-10-2021	Published	2021	
12	202111043890	SYSTEM AND METHOD FOR AUTOMATIC ASSESSING AND MONITORING OF A USER'S ACTIVITY	27-09-2021	Published	2021	
13	202111042896	A WASHABLE AND REUSABLE FACEMASK COMPRISING PVDF COMPOSITE NANOFIBERS AND A PROCESS FOR SYNTHESIS OF PVDF COMPOSITE NANOFIBERS	22-09-2021	Published	2021	
14	202111041006		09-09-2021	Published	2021	
15	202111037525	RECEIVER UNIT FOR WIRELESS CHARGING SYSTEM	18-08-2021	Published	2021	
16	202111036650	SYSTEM AND METHOD FOR IMAGE STANDARDIZATION	13-08-2021	Published	2021	
17	202111034859	AN APPARATUS FOR MICRO-RESOLUTION PHASOR MEASUREMENT	03-08-2021	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
18	202111033540	A FORMULATION FOR INHIBITION OF SARS-COV-2 INFECTION AND PROCESS FOR PREPARATION THEREOF	26-07-2021	Published	2021	
19	202111032841	ECO-FRIENDLY INK FORMULATION OF RESISTIVE INK FOR ROLLER BALL PEN	21-07-2021	Published	2021	
20	202111024379	LATERAL FLOW IMMUNOASSAY BASED POINT OF CARE DIAGNOSTIC DEVICE FOR ULTRASENSITIVE COLORIMETRIC DETECTION OF DENGUE	01-06-2021	Published	2021	
21	202111021047	ELECTRODE SUBSTRATE FOR ELECTROCHEMICAL SENSING OF BIOMOLECULES	10-05-2021	Published	2021	
22	202111016769	PORTABLE CUTLERY SET	09-04-2021	Published	2021	
23	202111016234	SYSTEM AND METHOD FOR MUSIC TRAINING	06-04-2021	Published	2021	
24	202111015994	METHOD AND APPARATUS FOR THE TREATMENT OF INDUSTRIAL WASTEWATER	05-04-2021	Published	2021	
25	202111014414	A METHOD FOR ENCAPSULATING PANI-CSA BASED TEMPERATURE SENSOR FOR ENHANCING HUMIDITY STABILITY AND PRODUCT THEREOF	30-03-2021	Published	2021	
26	202111013177	CATALYST FOR OXYGEN REDUCTION REACTION FOR FUEL CELLS AND METHOD OF MANUFACTURING SAME	25-03-2021	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
27	202111012714	A PROCESS FOR FABRICATING PANI-CSA BASED TEMPERATURE SENSOR AND A PRODUCT THEREOF	24-03-2021	Published	2021	
28	202111012450	A TACTILE SMART WATCH FOR VISUALLY IMPAIRED	23-03-2021	Published	2021	
29	202111003442	A PROCESS FOR STERILIZATION OF ULTRA-HIGH MOLECULAR WEIGHT POLYETHYLENE AND ITS NANOCOMPOSITES	25-01-2021	Published	2021	
30	202111000910	PEROVSKITE SOLAR CELL AND METHOD THEREOF	08-01-2021	Published	2021	
31	202111000739	VIRTUAL APERTURE MASK-LENS ASSEMBLY FOR CODED APERTURE TECHNIQUE	07-01-2021	Published	2021	
32	202011057504	REAL-TIME SPHERICAL OMNIDIRECTIONAL VISUAL GYROSCOPE	31-12-2020	Published	2021	
33	202011057432	JAW OPENING DEVICE FOR DIAGNOSTIC INSPECTION	31-12-2020	Published	2021	
34	202011057266	SULFATED CARBOXYMETHYLCELLULOSE FUNCTIONALIZED ELECTROSPUN FIBERS FOR ELECTROSTATIC IMMOBILIZATION OF CATIONIC MOLECULES	30-12-2020	Published	2021	
35	202011056963	A DEVICE FOR DETECTING ONE OR MORE FRAGMENTS OF DNA	29-12-2020	Published	2021	
36	202011056913	A TACTILE ELECTRONICS DEVICE FOR VISUALLY IMPAIRED	29-12-2020	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
37	202011056711	A PORTABLE SMART DEVICE FOR DETERMINATION OF SOIL NUTRIENTS	28-12-2020	Published	2021	
38	202011056117	AN AUTOMATIC SAFETY GATE SYSTEM FOR STAIRCASE	23-12-2020	Published	2021	
39	202011056116	A THERMALLY STABLE AND REINFORCED POLYPROPYLENE-SIC NANOCOMPOSITE, A METHOD AND APPLICATION THEREOF	23-12-2020	Published	2021	
40	202011055422	SMART AUTONOMOUS WHEELCHAIR FOR VISUALLY IMPAIRED PERSONS	20-12-2020	Published	2021	
41	202011055306	DATA ACQUISITION FROM SENSOR ARRAY	18-12-2020	Published	2021	
42	202011035072	A FULLERENE C60 NANO-FORMULATION FOR ACUTE RESPIRATORY DISTRESS SYNDROME	14-08-2020	Published	2021	
43	202011033550	ELECTROCHEMICAL SENSOR FOR BILIRUBIN ANALYSIS IN HUMAN BLOOD / SERUM	05-08-2020	Published	2021	
44	202011031211	FLUORESCENCE BASED SARS-COV-2 VIRUS PARTICLE DETECTION VIA MEMBRANE FUSION WITH SYNTHETIC LIPOSOME	21-07-2020	Published	2021	
45	202011029914	A PORTABLE HANDHELD INFRARED THERMOMETER AND ITS METHOD OF OPERATION	14-07-2020	Published	2021	
46	202011026183	ELECTROLYTE FOR THE ZINC BASED RECHARGEABLE REDOX STATIC ENERGY STORAGE DEVICES	22-06-2020	Published	2021	

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47	202011026184	ZINC BASED RECHARGEABLE REDOX STATIC ENERGY STORAGE DEVICE	22-06-2020	Published	2021	
48	202011026185	NOVEL EUTECTIC SOLVENT	22-06-2020	Published	2021	
49	202011019455	A FULLERENE C60 NANOFORMULATION FOR ACCELERATED TISSUE REPAIR	07-05-2020	Published	2021	
50	201911044840	DISEASE MODIFYING AGENTS, DRUG DELIVERY SYSTEM AND METHOD THEREOF FOR THE MANAGEMENT OF OSTEOARTHRITIS	05-05-2020	Published	2021	
51	202011016198	A PROTECTIVE RESPIRATOR SYSTEM AND METHOD THEREOF	15-04-2020	Published	2021	
52	202011005025	METHODS FOR HIGH THROUGHPUT FABRICATION OF DEVICES BASED ON PIEZO, PYRO, AND FERROELECTRIC POLYMERS	05-02-2020	Published	2021	
53	202011004783	TAURINE FUNCTIONALIZED DIKETOPIPERAZINE AND PROCESS TO SYNTHESISE THE SAME	04-02-2020	Published	2021	
54	202011004431	AN ORGANIC LIGHT EMITTING DIODE BASED CLUSTER DISPLAY	31-01-2020	Published	2021	
55	202011003360	EXOSOME-ASSOCIATED AAV (VEXOSOME) VECTOR IN SUICIDE GENE THERAPY, COMPOSITIONS AND METHODS THEREOF	24-01-2020	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
56	202011053233	SCREEN-PRINTABLE INK FORMULATION WITH IMPROVED ADHESION ON PLASTIC SUBSTRATE AND GAS SENSING PROPERTIES	07-12-2020	Granted	2021	
57	202011047522	A NANOFUID FOR CO2 SEQUESTRATION VIA HYDRATE FORMATION AND PROCESS OF SYNTHESIZING THEREOF	30-10-2020	Granted	2021	
58	202011033005	NANOPARTICLE-BASED DRUG DELIVERY SYSTEM FOR NICLOSAMIDE AND A COMBINATION THEREOF	31-07-2020	Granted	2021	
59	202011028877	LIQUID QUALITY MEASUREMENT SYSTEM	07-07-2020	Granted	2021	
60	202011013856	A HYDROGEL DRESSING FOR CHRONIC WOUND AND INFECTION AND A PROCESS OF PREPARATION THEREOF	30-03-2020	Granted	2021	
61	1054/DEL/2011	A System for Generating Crystal of Desired Size and Number Density of a Biomolecule, and Process Thereof	11-04-2011	GRANTED	2019	
62	1532/DEL/2005		14-06-2005	GRANTED	2019	
63	1886/DEL/2007	Piston Based Resistor	06-09-2007	GRANTED	2019	
64	1688/DEL/2008	Fabrication of Jute Fiber Sandwich Composites	16-07-2008	GRANTED	2019	
65	201711028373	A Smartphone Based Microscope	10-08-2017	PUBLISHED	2019	
66	201711028351		09-08-2017	PUBLISHED	2019	

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
67	1134/DEL/2007	Process for Drilling Contoured Deep Hole in Super Alloys using Sted to Enhance Cooling in Turbine Blades	29-05-2007	GRANTED	2019	
68	1978/DEL/2014	Photovoltaic Inverter System	14-07-2014	GRANTED	2019	
69	201911005381	Development of A-IGZO Based Dual Gate ISFET using Al ₂ O ₃ as Top Gate/sensing Dielectric	11-02-2019	PUBLISHED	2019	
70	201911004465	A Method for Coating on Lignocellulosic Fibrous Material Substrate to Facilitate Building Electronics	05-02-2019	PUBLISHED	2019	
71	1870/DEL/2010	Process for Preparation of Chiral α Lactams	10-08-2010	GRANTED	2019	
72	201711021886	Unmanned Aerial Vehicle System having Vertical Takeoff, Vertical Landing, and Hovering Flight Capabilities	22-06-2017	PUBLISHED	2019	
73	201911006646	A Spatially Resolved Reflectance Based Bevelled Optical Fibre Probe for Epithelium Layer Diagnostics	20-02-2019	PUBLISHED	2019	
74	201811009344	System, Method and Device for Responsive Advancement of Mandible	14-03-2018	PUBLISHED	2019	
75	201811009157	A Patient Transfer System	13-03-2018	PUBLISHED	2019	
76	201711015292	Reusable Polymeric Writing Surface or Media and Processes Thereof	01-05-2017	PUBLISHED	2019	
77	828/DEL/2008	Process for Synthesis of Nanocrystalline Hydroxyapatite	28-03-2008	GRANTED	2019	

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
78	201911009661	A Traverse System and Method Thereof	13-03-2019	PUBLISHED	2019	
79	201711034629	Microscope System & Method	29-09-2017	PUBLISHED	2019	
80	201911012276	A Mechanical Scribe to Isolate Solar Cells During Monolithic Fabrication of Organic Solar Cell Modules on Substrates	28-03-2019	PUBLISHED	2019	
81	201811047532	A Method of Manufacturing an Organic Semiconductor Film having Improved Conductivity	15-12-2018	PUBLISHED	2019	
82	1996/DEL/2008	Method of Manufacturing of Carbon Nano Tube Coated Glass Fiber/ Fabric and its Hybric Nanocomposites	22-08-2008	GRANTED	2019	
83	2169/DEL/2013	Process for the Production of Directed Assembly of Tailored Monolayer and Multilayers of Nanoparticles on a Substrate	19-07-2013	GRANTED	2019	
84	201711038757	Portable Charger for Electronic Devices	31-10-2017	PUBLISHED	2019	
85	201711032866	Portable Beverage Dispenser	16-09-2017	PUBLISHED	2019	
86	201911014942	Potential Well Based FDSOI MOSFET (PWFDOSI MOSFET)	13-04-2019	PUBLISHED	2019	
87	1594/DEL/2006	Wide Band Loop Antenna	07-07-2006	GRANTED	2019	
88	201911018821	A Hybrid Large Area Display Device	10-05-2019	PUBLISHED	2019	
89	201911017519	Sensorless Permanent Magnet Synchronous Motor Drive with Online Stator Resistance and Load Torque Estimation	02-05-2019	PUBLISHED	2019	

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
90	201911016923	A Method for Classifying Touch Response on a Capacitive Touch Screen Panel and Apparatus Thereof	29-04-2019	PUBLISHED	2019	
91	201911016240	A Spring Induced Ornithopter Wing Design	24-04-2019	PUBLISHED	2019	
92	201911019219	Electron Transport Layer Based on Doped ZnO Layer and Method Thereof	14-05-2019	PUBLISHED	2019	
93	201711043075	Spherical Tri-leaflet Heart Valve	30-11-2017	PUBLISHED	2019	
94	201711043515	Smart Stick	05-12-2017	PUBLISHED	2019	
95	201911022436	Device for Calibration Free Monitoring of Fluid Level and Method Thereof	06-06-2019	PUBLISHED	2019	
96	201911022443	Force Measurement Arrangement	06-06-2019	PUBLISHED	2019	
97	201811024748	Peptide Encapsulated Biodegradable Nanoparticles for Treatment of Neurodegenerative Diseases and Preparation Method Thereof	03-07-2018	PUBLISHED	2019	
98	201911023031		11-06-2019	PUBLISHED	2019	
99	201911022950	Large Area Micro-Texturing on Free-Form Surfaces by Flexible-Electrode Through-Mask Electrochemical Machining	10-06-2019	PUBLISHED	2019	
100	394/DEL/2015	Metallic Nanocatalyst and Process of Preparation Thereof	11-02-2015	GRANTED	2019	

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
101	201911025087	Antibacterial Platinum-N-Heterocyclic Carbene Compounds and Process of Preparation Thereof	24-06-2019	PUBLISHED	2019	
102	201911024882	An IGZO Based Dual Gate Ion Sensitive Field Effect Transistor	22-06-2019	PUBLISHED	2019	
103	201911023898	Conductive Aqua Nano-ink Formulation for a Range of Writing Instruments	17-06-2019	PUBLISHED	2019	
104	201811042160	A Wireless Pressure Sensor Node for an Inflatable Structure	08-11-2018	PUBLISHED	2019	
105	201911027470	A System for Measuring Nutrient in the Soil and Method Thereof	09-07-2019	PUBLISHED	2019	
106	201911026648		03-07-2019	PUBLISHED	2019	
107	1972/DEL/2004	Dielectric Resonator	11-10-2004	GRANTED	2019	
108	201711035521		06-10-2017	PUBLISHED	2019	
109	201611015384	A VTOL Unmanned Aerial Vehicle	03-05-2016	PUBLISHED	2019	
110	201911029557	Frequency and Polarization Shift Free Optical Phase Conjugator	22-07-2019	PUBLISHED	2019	
111	201911029291	Surface Finishing Composition For AFM Process and AFM Process Using the Same	19-07-2019	PUBLISHED	2019	
112	201711044640	Srtio3:nb Based Nanocomposites with Graphene Oxides and Process of Preparation Thereof	12-12-2017	PUBLISHED	2019	
113	1161/DEL/2012	A Hybrid Ink Formulation and a Method for Preparing the Same	16-04-2012	GRANTED	2019	

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
114	201911030090	High Strength Steel Composition and Method Thereof	25-07-2019	PUBLISHED	2019	
115	201811029094	A Flow Cell and Method Thereof for Optical Measurement of Micro/nano Structure	02-08-2018	PUBLISHED	2019	
116	201811004054	Random Bit Generation System using Optical Chaos in Symmetric Erbium-doped Fiber Lasers and Method Thereof	02-02-2018	PUBLISHED	2019	
117	2706/DEL/2007	WDM Optical Packet Switch Incorporating Fiber Bragg Gratings and Circulator	26-12-2007	GRANTED	2019	
118	201811035192	Process for Modifying Neddylation Site of an AAV Vector and Product Thereof	18-09-2018	PUBLISHED	2019	
119	201811006361	A Simple And cost-effective Protein Purification System and Method Thereof	20-02-2018	PUBLISHED	2019	
120	201611000089		01-01-2016	GRANTED	2019	
121	258/DEL/2007	A Power Supply System for Electronic Devices	07-02-2007	GRANTED	2019	
122	1128/DEL/2014	Process for Immobilization of Liquid Crystal on Solid Surface	25-05-2014	GRANTED	2019	
123	1135/DEL/2013	A process for preparation of nanoparticles of higher molecular weight of polyethylene polypropylene and polystyrene	25-11-2005	GRANTED	2019	
124	1900/DEL/2008	Controlled Growth of Carbon Nanocones on Carbon Fiber(s)/fabric and Method of Synthesis Thereof	12-08-2008	GRANTED	2019	

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
125	409/DEL/2011	Nanoparticles Loaded Polymer Capsules, Process for Synthesis and Application Thereof	17-02-2011	GRANTED	2019	
126	201911033953	Use of Carbon Fibers for Removing Soil Toxic Metals and Increasing Micronutrient Supply to Plants	22-08-2019	PUBLISHED	2019	
127	201911033731	Simulated Marine Environment Device for Corrosion Testing	21-08-2019	PUBLISHED	2019	
128	1136/DEL/2013	A Process for Preparation of Nanoparticles of Higher Molecular Weight of Polystrene	17-04-2013	GRANTED	2019	
129	201811008439	Process for Preparing Zno Nano-rod Flowerets Supported by Ni Substrate and free-standing Pure Zno Nanorods	07-03-2018	PUBLISHED	2019	
130	201911035640	An Automatic Page Turning Device and Method Thereof	04-09-2019	PUBLISHED	2019	
131	201811009657	A Sample Extraction Device and Operator Thereof	16-03-2018	PUBLISHED	2019	
132	201911038128	Language-agnostic, Limited Vocabulary Speech Recognition	21-09-2019	PUBLISHED	2019	
133	201911038028	Highly Porous Earthenware Material with High Damping Property and Method Thereof	20-09-2019	PUBLISHED	2019	
134	201841042550	Sumoylation Target-site Modified AAV Vector, Methods and Sequence for Gene Therapy	13-11-2018	PUBLISHED	2019	
135	201811038763	A Metamaterial Based Wearable and A Method Thereof	12-10-2018	PUBLISHED	2019	

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
136	201811036105		25-09-2018	PUBLISHED	2019	
137	2403/DEL/2010	Process for the Synthesis of Highly Functionalized Racemic and Non-racemic Piperidines	07-10-2010	GRANTED	2019	
138	201811037384	A Process For Generating Glycoengineered AAV Vectors For Hepatic And Ocular Gene Therapy And Product Thereof	03-10-2018	PUBLISHED	2019	
139	1647/DEL/2010	Carbon Nanocomposite Preparation and Uses Thereof	14-07-2010	GRANTED	2019	
140	201811015509	An Organic Thermistor	24-04-2018	PUBLISHED	2019	
141	201911043062	Polydimethylsiloxane Nanoparticles Coated Scaffolds for Culturing Cells and Tissue Engineering	23-10-2019	PUBLISHED	2019	
142	201911038980	An Improved Tissue Engineering Scaffold and a Method for Fabrication Thereof	26-09-2019	PUBLISHED	2019	
143	201811016131	Apparatus for Finishing of Ball using Abrasive Flow Finishing	28-04-2018	PUBLISHED	2019	
144	201911044392	Super Buck for High Voltage Step Down Applications	01-11-2019	PUBLISHED	2019	
145	201911044242	A System and Method for Detection of Keystroke using Defocus	31-10-2019	PUBLISHED	2019	
146	201811016906	Automated Subglottic Aspiration Device	04-05-2018	PUBLISHED	2019	
147	201611001597	Temperature Sensitive Paint for the Usage in Green Spectrum of Light	15-01-2016	GRANTED	2019	

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
148	2708/DEL/2007	A Dynamic Logic Family using only N or P-type Enhancement Mode-mosfet	26-12-2007	GRANTED	2019	
149	846/DEL/2014	Ferromagnetic Nanoparticle Encapsulated Carbon Nanotubes with High Encapsulation/filling Ratio for High Density	24-03-2014	GRANTED	2019	
150	1180/DEL/2012	A Method of Measuring BMP Signaling using BMP Responsive Reported Cell Line	17-04-2012	GRANTED	2019	
151	3157/DEL/2010	A Multipurpose Transporter with Modular Configuration	29-12-2010	GRANTED	2019	
152	201811045364	Nickel-vanadium Nitride Hydrophobic Alloy Powder	30-11-2018	PUBLISHED	2019	
153	201811020842	A Method for Synthesis of Metal Nanoparticleencapsulated with a Plurality of Shells of Zeolite	04-06-2018	PUBLISHED	2019	
154	201811047263	Identification of Micro-RNA and Methods to Improve Gene Expression from AAV Vector	13-12-2018	PUBLISHED	2019	
155	201911050823	An Espresso Emulsification Method for Synthesis of Uniform Hollow Polymer Nanoparticles	09-12-2019	PUBLISHED	2019	
156	201911050380	Protective Layer for Microwave Metamaterial Absorbers and Method Thereof	06-12-2019	PUBLISHED	2019	
157	201911049236	Hardware Acceleration System, Device And Method for Cryptographic Transactions	29-11-2019	PUBLISHED	2019	

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
158	201811047924	A Multicomponent High-entropy Alloy Composite, a Preparation Method and Characterization Thereof	18-12-2018	PUBLISHED	2019	
159	201911054415	A Method for Parameter Estimator of Untransposed Distribution Cable and System Thereof	30-12-2019	PUBLISHED	2020	
160	201911053908	A Process for Fabrication of Electrolytic Gated Field-effect Transistor-based Sensors	26-12-2019	PUBLISHED	2020	
161	201911052615	Low Nox Fuel Port Array Burner for Emission Control	18-12-2019	PUBLISHED	2020	
162	201811024019	A Bionic Prosthetic Hand Device for Trans-radial Amputee	27-06-2018	PUBLISHED	2020	
163	201811025128	Electrospun Fibrous Nanomat Composition and a Method of Synthesizing the Same for Cancer Cell Detection	05-07-2018	PUBLISHED	2020	
164	201811024706	Control Device	03-07-2018	PUBLISHED	2020	
165	1440/DEL/2014	Core -shell Sinter Resistant Nanosphere	30-05-2014	GRANTED	2020	
166	201811027075	Method and System for Dehazing Videos and Images in Real-time	19-07-2018	PUBLISHED	2020	
167	201711045206	Pond Ash-kaolinite Based Geopolymer Brick and Process for Manufacturing the Same	15-12-2017	GRANTED	2020	
168	212/DEL/2011	A Horizontal Axis Wind Turbine for Augmenting Torque	31-01-2011	GRANTED	2020	

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
169	2059/DEL/2014	A Green Reduction Approach for Graphene Oxide Into Graphene Nanosheets by Urea	21-07-2014	GRANTED	2020	
170	201811029113	Low Complexity Detection in Multiple Input Multiple Output Systems and Adetector Thereof	02-08-2018	PUBLISHED	2020	
171	201811029143	A Neighborhood Search Based Large Multiple Input Multiple Output Detectorand a Method Thereof	02-08-2018	PUBLISHED	2020	
172	201811028927	A Voltage Measurement Circuit and Method Thereof	01-08-2018	PUBLISHED	2020	
173	1617/DEL/2010	Signal Detection System	09-07-2010	GRANTED	2020	
174	219/DEL/2010	A Lithography Based Two Stage Reservoir in an Electrolyte Insulator Semiconductor Device	01-02-2010	GRANTED	2020	
175	202011004332	A Peripheral Vortex Reverse Flow Combustor with Coaxial Fuel Injection (PVRF-COAX) And Method Thereof	31-01-2020	PUBLISHED	2020	
176	201911054644	Regenerative Snubber Circuit for Flyback and Other Converters and Method Thereof	31-12-2019	PUBLISHED	2020	
177	201911054467	A Novel Control Surface "Auxiron" to Optimize Solar Power Collection of Solar Aircraft	30-12-2019	PUBLISHED	2020	
178	2966/DEL/2012	A Nanotextured Surface Immobilized Structure-modified Enzyme Biocatalyst	24-09-2012	GRANTED	2020	

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
179	2513/DEL/2005	An Architecture for Rearrangeably Non Blocking All Optical Cross Connect Wavelength Division Multiplexing Switching System	16-09-2005	GRANTED	2020	
180	899/DEL/2013	Novel Fly Tumor Model and Methods of Screening Drugs Thereon	25-03-2013	GRANTED	2020	
181	202011005818	PAPER BASED MULTI-LAYERED EPIDERMAL EQUIVALENT AND METHODS FOR THE PRODUCTION THEREOF	11-02-2020	PUBLISHED	2020	
182	201611005433	A 3D Integrated Universal Digital Gate	16-02-2016	GRANTED	2020	
183	202011008213	Combination of Niclosamide and Doxorubicin	26-02-2020	PUBLISHED	2020	
184	202011007915	A PROCESS FOR SYNTHESIZING DEFECTIVE TITANIUM OXIDE (TiO ₂) MICROSPHERES COATED GLASS BEADS	25-02-2020	PUBLISHED	2020	
185	201711042059	Method for Fabricating Micro Structures	23-11-2017	GRANTED	2020	
186	589/DEL/2011	Safety System for Vehicles	04-03-2011	GRANTED	2020	
187	201611031120	Enhanced Electrochemical Performance of Waste Tyre Recycled Activated Carbon as an Anode in Li-ion Battery	12-09-2016	GRANTED	2020	
188	202011009535	Nanoparticulate Formulation for Diagnosis and / or Treatment of Cancer	05-03-2020	PUBLISHED	2020	
189	201911008173		01-03-2019	PUBLISHED	2020	

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
190	2707/DEL/2007	All Optical Reflectors Based Wdm Optical Packet Switch	26-12-2007	GRANTED	2020	
191	202011011934	System and Method for Hall Sensor-Superconductor Based Limiter of Fault Current	19-03-2020	PUBLISHED	2020	
192	908/DEL/2014		29-03-2014	GRANTED	2020	
193	2307/DEL/2011	A Modular Robotic System	08-08-2011	GRANTED	2020	
194	1348/DEL/2014	Multi-walled Carbon Nanotube Forest Grown on Carbon Fiber as Supercapacitor Electrodes and the Method of Preparation Thereof	22-05-2014	GRANTED	2020	
195	202011012055	Apparatus for Performing an Electrochemical Micro-machining Process	20-03-2020	PUBLISHED	2020	
196	202011014916	A Photoreactor for Photocatalytic Degradation of Pharmaceutical Pollutants	03-04-2020	PUBLISHED	2020	
197	201711012363	Polydimethylsiloxane (PDMS) Nanoparticles and Process of Synthesizing the Same for Ligand Free Intra-nuclear Delivery of Drugs	07-04-2017	GRANTED	2020	
198	202011015195	Method for Synthesis of Nanomaterials of Metal Dichalcogenides and Oxides using Microwave Oven under Atmospheric Conditions-	07-04-2020	PUBLISHED	2020	
199	859/DEL/2014		25-03-2014	GRANTED	2020	
200	1629/DEL/2010		12-07-2010	GRANTED	2020	
201	202011016961	Thermostable Human Insulin and Uses Thereof	20-04-2020	PUBLISHED	2020	

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
202	201611020049	Process for Preparation of Super Hydrophobic Coating	11-06-2016	GRANTED	2020	
203	1390/DEL/2014	Electrocatalyst for Oxygen Reduction Reaction in Fuel Cells from Bio-waste Feather Fiber	26-05-2014	GRANTED	2020	
204	201811000964		09-01-2018	GRANTED	2020	
205	201811002306	Development of Agar Based Bioplastics by Cross-linking with Diisocyanates	19-01-2018	GRANTED	2020	
206	202011017996	An Adaptive Method for Food Categorization based on Emitted Gases and their Concentration	27-04-2020	PUBLISHED	2020	
207	201911018990	Recombinant Adeno-Associated Vectors and Method Thereof	13-05-2019	PUBLISHED	2020	
208	923/DEL/2014	Suspension Agitator System	31-03-2014	GRANTED	2020	
209	201811015012	Nano-hydroxyapatite Based Porous Polymer Composite Scaffolds for Bioactive Molecule Delivery in Musculoskeletal Regeneration	20-04-2018	GRANTED	2020	
210	202011024458	A Vessel and A Method for Purifying Water and Monitoring Quality of Water	10-06-2020	PUBLISHED	2020	
211	201911021185	Tissue Engineering Scaffold Derived from Plant Based Material	29-05-2019	PUBLISHED	2020	
212	201911020452	A Compact Table Top Dipole Plasma System for Plasma Processing	23-05-2019	PUBLISHED	2020	

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
213	201911019997	Gene Delivery Vector and Method Thereof	21-05-2019	PUBLISHED	2020	
214	201711017031	Method of Producing Multi-layered Steel with Variable Compositions	15-05-2017	GRANTED	2020	
215	654/DEL/2015	Method for Preparation of Graphitic Carbon Micro-nanofiber-based Electrodes, Asymmetrically Dispersed with Bimetal Nanoparticles	10-03-2015	GRANTED	2020	
216	1985/DEL/2014	Method for Preparing Carbon Based Highly Flexible Smart Battery Micro Fiber in the Form of Lithium Ion Batteries	15-07-2014	GRANTED	2020	
217	201711021885	Polydimethylsiloxane (PDMS) Nanostructures and Process of Synthesis Thereof	22-06-2017	GRANTED	2020	
218	757/DEL/2015	Disaggregation and Solubilization of Synthetic Polypeptides	20-03-2015	GRANTED	2020	
219	712/DEL/2013	A Medium for Nano-finishing of Complex Component's Internal/external Surfaces and a Method for Preparation Thereof	13-03-2013	GRANTED	2020	
220	884/DEL/2013	A Biodegradable Smoke Filter Material	22-03-2013	GRANTED	2020	
221	3880/DEL/2015	A One-pot Process for the Synthesis of Indole and Indole Derivatives	27-11-2015	GRANTED	2020	
222	201711004877	A Two-step Method for Preparation of Micron Sized, Nano-porous Powder Particles	10-02-2017	GRANTED	2020	

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
223	26/DEL/2015	Adhesive Surface and its Process of Fabrication	05-01-2015	GRANTED	2020	
224	109/DEL/2015		13-01-2015	GRANTED	2020	
225	202011027557	A Press Milling Apparatus for Generating Harmonic Structures and Method Thereof	29-06-2020	PUBLISHED	2020	
226	202011026603	Human Hair Derived Activated Carbon Nanosheets, Process of Preparation and Application Thereof	23-06-2020	PUBLISHED	2020	
227	202011026370	A Walking Device for Enhancing Capabilities of a Visually Impaired Person	22-06-2020	PUBLISHED	2020	
228	1852/DEL/2010		05-08-2010	GRANTED	2020	
229	201911004819	A Sensor System and Method Thereof	07-02-2019	PUBLISHED	2020	
230	1590/DEL/2014	Process for Synthesis of a Catalyst for Hydrodesulfurization	11-06-2014	GRANTED	2020	
231	201811046913	A Sensing-Based Guidance Device for Endotracheal Intubation and a Method for Operating the Same	12-12-2018	PUBLISHED	2020	
232	933/DEL/2006	A Solar Cell with Improved Light Absorption Capacity	31-03-2006	GRANTED	2020	
233	202011031690	A System for Origami Based Re-configurable Antenna with Steering Mechanism	24-07-2020	PUBLISHED	2020	
234	3100/DEL/2010	A System and Method for Transmitting Mails from a First Location to a Second Location	27-12-2010	GRANTED	2020	

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
235	202011032686	A Solar Energy Based Heating System for Plants' Root Zone and Vermi-Bed and Method Thereof	30-07-2020	PUBLISHED	2020	
236	202011016379	Speed Control System for Pipe Health Monitoring Robot	15-04-2020	PUBLISHED	2020	
237	1182/DEL/2015		28-04-2015	GRANTED	2020	
238	202011035103	Method of Fabricating Polymer/beeswax Composite Nanofibers with Controllable Surface Morphology using Electrospinning Technique	14-08-2020	PUBLISHED	2020	
239	202011037626	Stiff and Resilient Injectable Silk-based Hydrogels for Cartilage Regeneration	01-09-2020	PUBLISHED	2020	
240	201711028088	Biodegradable Substrates for Flexible Electronics and Manufacturing Method	08-08-2017	GRANTED	2020	
241	3488/DEL/2013	Software Flutter Shutter Imaging System for Blur Removal using a High Speed Camera	29-11-2013	GRANTED	2020	
242	202011044010	Adaptive Minimum Quantity Lubricant System and Process for Monitoring and Controlling Temperature During Machining Operation	09-10-2020	PUBLISHED	2020	
243	201611005439	A Method of Fabricating High-performance Poly (Vinylidenedifluoride-trifluoroethylene),P(VDF-TRFE) Films	16-02-2016	GRANTED	2020	
244	2097/DEL/2011	A Self Propelled Stair Climbing Wheel Chair	25-07-2011	GRANTED	2020	

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
245	202011047915	A Process for Creating Flexible Paper Circuitry	03-11-2020	PUBLISHED	2020	
246	201811041047	Process of Preparing Metal Nanoparticle Clicked Zeolite	30-10-2018	GRANTED	2020	
247	202011005115	A System for Simult Detection of Cholesterol, Creatinine and Glucose	06-02-2020	PUBLISHED	2020	
248	201911048789	System and Method for Estimation of Yaw Angle for Mobile Objects	28-11-2019	PUBLISHED	2020	
249	201911009242	Process for Synthesis of Polydimethylsiloxane (PDMS) Nanoparticles	09-03-2019	GRANTED	2020	
250	201911018305	Community Based Integrated Water Filter System for Clean Drinking Water	08-05-2019	GRANTED	2020	
251	3003/DEL/2015	Method of Extraction for a Non-ionic Surfactant Adsorbed on Biodegradable Polymeric Nanoparticles	22-09-2015	GRANTED	2020	
252	201611026698	Silver Nanoparticles Impregnated Nanoporous Carbon Nanofiber Platform for Biosensor Application	04-08-2016	GRANTED	2020	
253	202011042659	Magnesium Modified Rice Straw Biochar Beads for phosphate Uptake	01-10-2020	PUBLISHED	2020	
254	201911054738	A Wearable Device for Assisting a Visually Impaired User	31-12-2019	PUBLISHED	2020	
255	201911054549	A Circuit And A Method for A DC – DC Converter	30-12-2019	PUBLISHED	2020	

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
256	201911052830	Current-driven Active Matrix Sensor Array and Method to Measure Sensor Resistance in the Same	19-12-2019	PUBLISHED	2019	
257	201911050565	Orthographic Image Generator	07-12-2019	PUBLISHED	2019	
258	201911049732	A Process for Synthesis of Nano Particles of LiNi _{0.5} Co _{0.5} PO ₄ (LNCP) and Use Thereof	03-12-2019	PUBLISHED	2019	
259	201911041227	Apparatus and Method for Real-time, in Situ Monitoring of Water Quality	11-10-2019	PUBLISHED	2020	
260	201911002684	Mn-Al-Fe Impregnated RGO Hybrid Composite for Arsenic Adsorption and its Sludge as Super-capacitor	22-01-2019	PUBLISHED	2020	
261	201811046497	The Synthesis of Tolterodine from Activated Azetidine	08-12-2018	PUBLISHED	2019	
262	201811042159	A Process for Dispersing Metallic Nanoparticles on a Template Surface	08-11-2018	PUBLISHED	2020	
263	201811022519	Process for the Synthesis of 3-spiropiperidino Indolenines	15-06-2018	PUBLISHED	2019	
264	201811021100	A Method for Synthesis of N-type Oxide-based Nanocomposite with Graphite for Thermoelectric Application	06-06-2018	PUBLISHED	2019	
265	201711041706	Elastomeric Biodegradable Antioxidant Polymer and Polymeric Film as Cardiac Tissue Patch and Thereof	21-11-2017	PUBLISHED	2019	
266	201713040466	Process for Fabricating POLY(VINYLDENEDIFLUORIDE-TRIFLUOROETHYLENE) [P(VDF-TRFE)] Polymer Films	13-11-2017	PUBLISHED	2019	

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
267	201711040202	Oxygen Releasing Antioxidant Scaffold for Tissue Engineering	10-11-2017	PUBLISHED	2019	
268	201711036788	A Method for Transforming the Wettability of a Surface	17-10-2017	PUBLISHED	2019	
269	201731029652	High Phosphorus Pig Iron as Sacrificial Anode for Cathodic Protection of Underground Mild Steel Structures	22-08-2017	PUBLISHED	2019	
270	201711016919	Iron Oxide Nanoparticles and Method of its Production	15-05-2017	PUBLISHED	2019	
271	201711016754	Process for The Synthesis of Quinoxalines	12-05-2017	PUBLISHED	2019	
272	2727/Del/2012	A Novel Tube-well Hand Pump	04-09-2012	Granted	2021	Applicant
273	730/DEL/2013	Affordable In- house Modular Planetarium	14-03-2013	Granted	2021	Applicant
274	1481/DEL/2013	Two Way Volume Adjustable Load Bearing Foldable Unit Pliable Material for Making Furniture	17-05-2013	Granted	2021	Applicant
275	1519/DEL/2014	Low Loss Fast Electro-optically Tuned Embedded Ring Modulator or Filter	06-06-2014	Granted	2021	Applicant
276	3643/DEL/2015	A Portable Microfluidic Chip Holder	07-11-2015	Granted	2021	Applicant
277	202021003050	A Tamper Detection Device	23-01-2020	Granted	2021	Co-Applicant
278	2538/DEL/2012	A Photolithographic Process for the Prepration of OLED Display	16-08-2012	Granted	2021	Applicant
279	2894/DEL/2013	Solar Based Water Purification	03-09-2013	Granted	2021	Applicant

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
280	363/DEL/2013	Identification of Vascular Deformation	08-02-2013	Granted	2021	Applicant
281	1996/DEL/2010	SEPARATOR AND SYSTEM WITH THE SEPARATOR FOR SEPARATING A SOLID-LIQUID MIXTURE	24-08-2010	Granted	2021	Applicant
282	4074/DEL/2012	Finishing Apparatus	31-12-2012	Granted	2021	Applicant
283	3440/DEL/2011	A COMPUTING MECHANISM FOR AUTOMATION OF RAPID THERMAL ANNEAL OF SEMICONDUCTOR	29-11-2011	Granted	2021	Applicant
284	201711008737	Self-assembling Hydrophobic Encapsulating Layer for Perovskites for Enhancing Water and for Enhancing Water and Moisture Stability	14-03-2017	Granted	2021	Co-Applicant
285	201611039541	Breathalyzer for Disease Detection	19-11-2016	Granted	2021	Applicant
286	201611039574	Polyaniline Linked Metal Phthalocyanines Based Flexible Gas Sensors	21-11-2016	Granted	2021	Applicant
287	3272/DEL/2011	Magnesium Inserted Porphyrin Compound, its Blends and Devices Thereof	17-11-2011	Granted	2021	Applicant
288	654/DEL/2011	Manufacturing of Organic Photovoltaic Device	09-03-2011	Granted	2021	Applicant
289	1018/DEL/2008	Using Personal Devices for Authentication and Service Access at Service Outlets	21-04-2008	Granted	2021	Applicant
290	1272/DEL/2014	An Instrument for Tonic Note Selection & Voice Range Determination for Indian Music Singers	12-05-2014	Granted	2021	Applicant

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
291	918/DEL/2013	Analog Maximum Power Point Tracker for Solar Photovoltaic	26-03-2013	Granted	2021	Applicant
292	3269/DEL/2014	Single Phase Buck-boost Photovoltaic Micro-inverter	12-11-2014	Granted	2021	Applicant
293	2607/DEL/2014	Single-stage Transformer- Less Photovoltaic Inverter	11-09-2014	Granted	2021	Applicant
294	1769/DEL/2011	Power Extraction from Photovoltaic Power Sources	22-06-2011	Granted	2021	Applicant
295	512/DEL/2011	Power Extraction from Direct Current Power Source	24-02-2011	Granted	2021	Applicant
296	1332/DEL/2014	One Step Synthesis of Carbon Nanotube-ceramic Nanocomposite Powder for Structural Nanocomposites	20-05-2014	Granted	2021	Applicant
297	1391/DEL/2014	A Method of Preparing Helically Coiled Carbon Nanotube (CCNT) using Star Shaped Nano Particle	26-05-2014	Granted	2021	Applicant
298	201611036719	Micro-RNA and Methods to Improve AAV Gene Expression and Vector Production	26-10-2016	Granted	2021	Applicant
299	201611004883	Improved Method for Extraction of Lipopolysaccharide	11-02-2016	Granted	2021	Applicant
300	3386/DEL/2014	Composite Panels with Rice Husk Core	20-11-2014	Granted	2021	Applicant
301	892/DEL/2010	Nanocrystalline Titanium Carbide and Process of Preparation	13-04-2010	Granted	2021	Applicant
302	201611003335	Arginine Derivatives as Polyglutamine Aggregation Inhibitors	29-01-2016	Granted	2021	Applicant

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
303	1386/DEL/2014	Adhesive Film	23-05-2014	Granted	2021	Applicant
304	3603/DEL/2011	A NOISE REDUCER TURBOFAN JET ENGINE	12-12-2011	Granted	2021	Applicant
305	202111008181	A Single-dose Nanovaccine for Shigellosis and Process for Synthesis Thereof	26-02-2021	Published	2022	Applicant
306	202111016625	A Multicomponent Diboride Material and Process for Synthesis Thereof	08-04-2021	Published	2022	Applicant
307	US - 17/294,222	A Process for Producing a Plurality of Neddylation Site Modified AAV Vectors	14-05-2021	Published	2022	Applicant
308	202111021540	Anti-bacterial Short Chain Conjugated Peptides	12-05-2021	Published	2022	Co-Applicant
309	202111028327	Bipennate Muscle Architecture-based Shape Memory Alloy Embedded Hierarchical Actuator	24-06-2021	Published	2022	Applicant
310	202111035748	Tactile Watch for Visually Impaired	07-08-2021	Published	2022	Applicant
311	202111038920	A Packed Bed Microbial Fuel Cell (MFC) to Treat Wastewater in Continuous Mode	27-08-2021	Published	2022	Applicant
312	202111039562	Bimodal Structure Based Thermal Barrier Coating Composition, Process for Preparation Thereof, and Substrate Coated Therewith	01-09-2021	Published	2021	Applicant
313	202111039585	Polymeric Matrix for Haemostatic Application and Therapeutic Bandage Thereof	01-09-2021	Published	2021	Applicant
314	202111041526	Wrist Detection System for a Smartwatch	15-09-2021	Published	2022	Applicant

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
315	202111042502	Dial Ring Interface for Hybrid Smartwatches	20-09-2021	Published	2022	Applicant
316	202111045027	High Capacity Chipless RFID Tags	04-10-2021	Published	2022	Applicant
317	202111046357	A Shigella nanovaccine and process for synthesis thereof	12-10-2021	Published	2022	Applicant



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	D T T
1	Multiple Slit Nozzle-based High Volume PM2.5 Impactor Assembly	IP/Patented Technology	Airshed Planning Professionals Pvt. Ltd.	Start-up	Mr. Dharendra Singh	1
2	Anti-counterfeiting Mark with 3-D Features	IP/Patented Technology	Security Printing and Minting Corporation of India	Industry	Mr. Bolewar Babu	2
3	An Adaptive Method for Food Categorization based on Emitted Gases and their Concentration	IP/Patented Technology	Kalpa Innovative Solution	Industry	Mr. Chirag Trivedi	3
4	Air Sampling Device	IP/Patented Technology	Airshed Planning Professionals Pvt. Ltd.	Start-up	Mr. Dharendra Singh	0

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	D T T
5	Oxygen Concentrator	Non-IP/Non-Patented Technology	STEMrev Refineries Private Limited	Start-up	Mr. Saket Khandelwal	2
6	Oxygen Concentrator	Non-IP/Non-Patented Technology	Albot Technologies Private Limited	Start-up	Mr. Manoj Srivastava	2
7	Portable Smart Device for Determination of Soil Nutrients	IP/Patented Technology	AgroNxt Services Private Limited	Start-up	Mr. Rajat Vardhan	0
8	A process for creating flexible paper circuitry	IP/Patented Technology	Likhotronics Tech Pvt. Ltd.	Start-up	Dr. Karanam Sudheendra Rao	2
9	Conductive Aquo Nano-ink formulation for a range of writing instruments	IP/Patented Technology	Likhotronics Tech Pvt. Ltd.	Start-up	Dr. Karanam Sudheendra Rao	2
10	Eco friendly ink formulation of resistive ink for roller ball pen	IP/Patented Technology	Likhotronics Tech Pvt. Ltd.	Start-up	Dr. Karanam Sudheendra Rao	2
11	Nano-hydroxyapatite Based Porous Polymer Composite Scaffolds for Bioactive Molecule Delivery in Musculoskeletal Regeneration	IP/Patented Technology	Ortho Regenics Pvt. Ltd.	Start-up	Dr. Gopal Pande	2
12	Textile-based Metamaterial Absorber with Broadband Absorption	IP/Patented Technology	Meta Tattva Pvt. Ltd.	Industry	Mr. Amit Aggarwal	1

Declaration

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

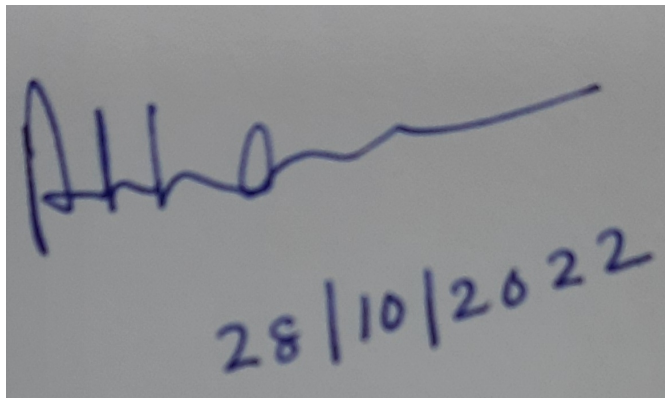
Joint Declaration by the Head of the Institute and Nodal Officer

Dear Sir,

Herewith, myself **Prof. Abhay Karandikar** (Head of Institute) and **Dr. Manjusha Inamdar** (Nodal Officer) jointly declaring on behalf of our institute is that all the information submitted are true and correct to best of our knowledge.

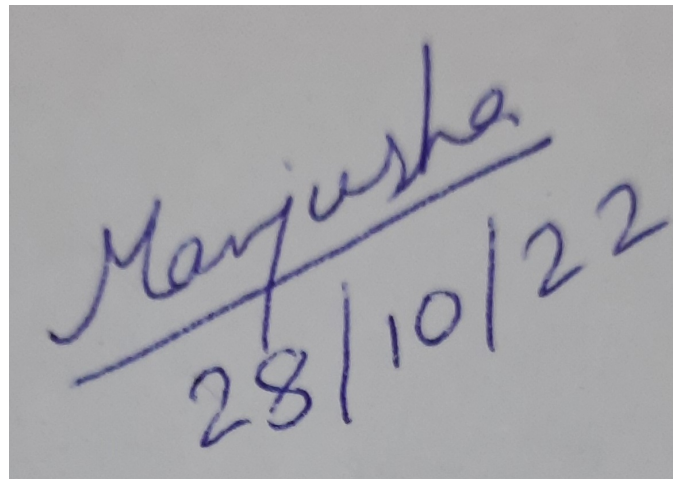
Thank you

The Head of Institute

A photograph of a handwritten signature in blue ink on a grey background. The signature is 'Abhay' and the date is '28/10/2022'.

Prof. Abhay Karandikar,
Head of the Institution,
Indian Institute of Technology Kanpur,
Kanpur, Uttar Pradesh

Nodal officer

A photograph of a handwritten signature in blue ink on a grey background. The signature is 'Manjusha' and the date is '28/10/22'.

Dr. Manjusha Inamdar,
Nodal Officer,
Indian Institute of Technology Kanpur,
Kanpur, Uttar Pradesh