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:	Dr.Shruti Bhargava Choubey
Designation:	Dean Innovation
Email ID:	dean-innovation@sreenidhi.edu.in
Mobile No.	9425010423

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

Annual Performances of IIC Institute	Stars Secured
IIC 1.0 (2018-19)	1,2,3,4
IIC 2.0 (2019-20)	5
IIC 3.0 (2020-21)	4
IIC 4.0 (2021-22)	4

Contact:

IIC President of the Institute:	Dr Shruti Bhargava Choubey
Designation:	Associate Dean (Research & Innovations)

Email ID:	shrutibhargava@sreenidhi.edu.in
Mobile No.	9425010423

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	Dr Ameet Chavan	Advance	0
2	DR. T. VIJAY SARADHI	Advance	0
3	Dr.Shruti Bhargava Choubey	Advance	14
4	Dr. K. Harinadh	Advance	9
5	DR. T. VIJAY SARADHI	Advance	0
6	Dr Manugupta	Advance	7
7	Dr. K. C. Deekshit Kompella	Advance	5
8	Dr B Madhura	Advance	4
9	Dr.K SRINIVASULU REDDY	Basic	0
10	Dr. Divya Naadem	Advance	12
11	Dr.V.SARAVANA KUMAR	Basic	1
12	Dr Krishna Samalla	Basic	2
13	Dr Ameet Chavan	Advance	0
14	Dr. Nanda kumar M	Advance	4
15	Dr. P. Nithish Reddy	Advance	4
16	Dr. Preethi Jeevan	Advance	13
17	Dr. Y. Rohita	Advance	1
18	Mrs. P. Rekha	Basic	2
19	Dr. MTL Gayathri	Basic	0
20	Dr. B. Sai Krishna	Basic	0
21	Ms.Jenifer Aster Fernandez	Basic	5

Sr. No.	Name of the Faculty IA	Level of Training	No of I&E Expert Talks/Sessions Conducted
22	Dr. Mallikarjuna Mudda	Basic	3
23	Dr. Santhosh N	Basic	0
24	Dr. MTL Gayatri	Advance	6

1.4) Participation in KAPILA/SIH Program

HEI Registered in the KAPILA Portal	C-19951	Yes
HEI Participated in the Smart India Hackathon (2022)	C-19951	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	Co St Da
1	Management Science and Financial Accounting	7ZC01	2020-21	Core Course	Bachelor	CIVIL ENGINEERING	2	12- 20: 00:
2	Basics of Indian Economy	7ZC25	2020-21	Elective Course	,Bachelor	CIVIL ENGINEERING	2	12- 20: 00:
3	Product and Services	7ZC20	2020-21	Elective Course	,Bachelor	CIVIL ENGINEERING	2	12- 20: 00:
4	Basics of Polity and Ecology	7ZC26	2020-21	Elective Course	,Bachelor	CIVIL ENGINEERING	2	12- 20: 00:

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Co Sta Da
5	Innovation and Design Thinking	7ZC24	2020-21	Elective Course	,Bachelor	CIVIL ENGINEERING	2	12- 20: 00:
6	Indian History Culture and Geography	7ZC27	2020-21	Elective Course	,Bachelor	CIVIL ENGINEERING	2	12- 20: 00:
7	General Management and Entrepreneurship	7ZC21	2020-21	Elective Course	,Bachelor	CIVIL ENGINEERING	2	12- 20: 00:
8	Intellectual Property Rights	8GC49	2020-21	Core Course	,Bachelor	CIVIL ENGINEERING	2	12- 20: 00:
9	Co creation and Product Design	8ZC09	2020-21	Elective Course	,Bachelor	INFORMATION TECHNOLOGY	2	12- 20: 00:
10	Product and Services	7ZC20	2020-21	Elective Course	,Bachelor	SCHOOL OF MANAGEMENT AND STUDIES	2	12- 20: 00:
11	Entrepreneurship and business design	8zc10	2020-21	Elective Course	Bachelor	School of management and studies	2	12- 20: 00:
12	Intellectual Property Rights	7gc49	2020-21	Core Course	Bachelor	COMPUTER SCIENCE ENGINEERING	2	24- 20: 00:
13	Management Science and Financial Accounting	7GC19	2021-22	Core Course	Bachelor	COMPUTER SCEINECE ENGINEERING	2	24- 20: 00:
14	Introduction to Data Science	7BC51	2021-22	Elective Course	,Bachelor	COMPUTER SCIENCE AND ENGINEERING	2	24- 20: 00:
15	Basics of Entrepreneurship	7ZC22	2021-22	Elective Course	,Bachelor	COMPUTER SCIENCE ENGINEERING	2	24- 20: 00:

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Co Sta Da
16	Innovation and Design Thinking	7ZC24	2021-22	Elective Course	,Bachelor	COMPUTER SCIENCE ENGINEERING	2	24- 20 00:
17	MACHINE LEARNING	8ZC22	2021-22	Elective Course	,Bachelor	COMPUTER SCIENCE ENGINEERING	2	24- 20 00:
18	Advanced Entrepreneurship	7ZC23	2021-22	Elective Course	,Bachelor	COMPUTER SCIENCE ENGINEERING	2	24- 20 00:
19	Android Application Development	7ZC23	2020-21	Core Course	,Bachelor	INFORMATION TECHNOLOGY	2	21- 20 00:
20	Innovation and Design Thinking	7ZC24	2020-21	Elective Course	,Bachelor	SCHOOL OF MANAGEMENT	2	24- 20 00:
21	Basics of Entrepreneurship	7ZC22	2021-22	Elective Course	Bachelor	School of Management System	2	26- 20 00:
22	Advanced Entrepreneurship	7ZC23	2020-21	Elective Course	,Bachelor	School of Management System	2	13- 20 00:
23	Innovation and Design Thinking	7ZC24	2020-21	Elective Course	,Bachelor	School of Management System	2	24- 20 00:
24	Entrepreneurship	7Z214	2020-21	Core Course	,Bachelor	School of Management Systems	4	11- 20 00:
25	Entrepreneurship Seminar	7Z452	2020-21	Core Course	,Bachelor	School of Manage System	2	09- 20 00:
26	Entrepreneurship	7Z214		Core Course	,Bachelor	School of Management System	4	03- 20 00:

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Co Sta Da
27	Entrepreneurship Seminar	7Z452	2021-22	Core Course	,Bachelor	School of Management System	2	06- 20: 00:
28	Innovation and Design Thinking	7ZC24	2021-22	Core Course	,Bachelor	School of Management System	3	24- 20: 00:
29	Co creation and Product Design	8ZC09	2021-22	Elective Course	Bachelor	School of Management System	2	25- 20: 00:
30	Product and Services	7ZC20	2021-22	Elective Course	,Bachelor	School of Management System	2	17- 20: 00:
31	Entrepreneurship and business design	8zc10	2021-22	Elective Course	,Bachelor	School of Management System	2	17- 20: 00:
32	Android Application Development	7ZC23	2021-22	Elective Course	,Bachelor	School of Management System	3	21- 20: 00:
33	Intellectual Property Rights	8GC49	2021-22	Core Course	,Bachelor	School of Management of System	2	24- 20: 00:
34	Management Science and Financial Accounting	7ZC01	2021-22	Core Course	,Bachelor	School of Management System	2	24- 20: 00:
35	Machine Learning	8ZC22	2021-22	Elective Course		School of Management System	2	24- 20: 00:
36	Advanced Entrepreneurship	7ZC23	2021-22	Elective Course	,Master	School Of Management System	2	01- 20: 00:
37	Principles of Management and Organizational Behavior	7Z101	2020-21	Core Course	Master	MBA	4	22- 20: 00:

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Co Sta Da
38	Financial Accounting and Analysis	7Z102	2020-21	Core Course	,Master	School of Management Studies	4	22- 20; 00:
39	Managerial Economics	7Z103	2020-21	Core Course	Master	School of Management Studies	4	22- 20; 00:
40	Principles of Marketing	7Z104	2020-21	Core Course	,Master	School of Management Studies	4	22- 20; 00:
41	Statistics for Management	7Z105	2020-21	Core Course	,Master	School of Management Studies	4	22- 20; 00:
42	Business Communication and Soft Skills	7Z108	2020-21	Elective Course	,Master	School of Management Studies	2	22- 20; 00:
43	Leadership Seminar	7Z109	2020-21	Core Course	,Master	School of Management Studies	2	22- 20; 00:
44	Financial Management	7Z211	2020-21	Core Course	,Master	School of Management Studies	4	06- 20; 00:
45	Human Resource Management	7Z212	2020-21	Core Course	,Master	School of Management Studies	3	06- 20; 00:
46	Operations Management	7Z213	2020-21	Core Course	,Master	School of Management Studies	4	07- 20; 00:
47	Business Research Methods	7Z215	2020-21	Core Course	,Master	School of Management Studies	4	06- 20; 00:
48	Project Management and Finance	7Z216	2020-21	Elective Course	,Master	School of Management Studies	2	06- 20; 00:

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Co Sta Da
49	Logistics and Supply Chain Management	7Z217	2020-21	Elective Course	Master	School of Management Studies	2	06- 20: 00:
50	Business Ethics Seminar	7Z220	2020-21	Core Course	,Master	School of Management Studies	2	06- 20: 00:
51	Strategic Management	7Z321	2020-21	Core Course	,Master	School of Management Studies	4	24- 20: 00:
52	Cost Management Accounting	7Z322	2020-21	Core Course	Master	School of Management Studies	4	06- 20: 00:
53	Legal and Economic Environment of Business	7Z323	2020-21	Core Course	,Master	School of Management Studies	4	06- 20: 00:
54	Quantitative Analysis for Business Decisions	7Z324	2020-21	Core Course	,Master	School of Management Studies	3	06- 20: 00:
55	Security Analysis and Portfolio Management	7Z325	2020-21	Elective Course	,Master	School of Management Studies	4	06- 20: 00:
56	Financial Institutions Markets and Services	7Z329	2020-21	Elective Course	,Master	School of Management Studies	3	06- 20: 00:
57	Strategic Investment and Financing Decisions	7Z333	2020-21	Elective Course	,Bachelor,Master	School of Management Studies	3	06- 20: 00:
58	Consumer Behavior	7Z326	2020-21	Elective Course	,Master	School of Management Studies	3	24- 20: 00:

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Co St Da
59	Services Marketing	7Z330	2020-21	Elective Course	,Master	School of Management Studies	3	05- 20: 00:
60	Retailing Management	7Z334	2020-21	Elective Course	,Master	School of Management Studies	3	08- 20: 00:
61	Principles of Management and Organizational Behavior	7Z101	2020-21	Core Course	Master	School of Management Studies	4	13- 20: 00:
62	Financial Accounting and Analysis	7Z102	2020-21	Core Course	,Master	School of Management Studies	4	13- 20: 00:
63	Managerial Economics	7Z103	2020-21	Core Course	,Master	School of Management Studies	3	13- 20: 00:
64	Principles of Marketing	7Z104	2020-21	Core Course	,Master	School of Management Studies	4	13- 20: 00:
65	Statistics for Management	7Z105	2020-21	Core Course	,Master	School of Management Studies	3	13- 20: 00:
66	Business Communication and Soft Skills	7Z108	2020-21	Elective Course	,Master	School of Management Studies	3	13- 20: 00:
67	Leadership Seminar	7Z109	2020-21	Core Course	,Master	School of Management Studies	3	13- 20: 00:
68	Financial Management	7Z211	2020-21	Core Course	,Master	School of Management Studies	4	05- 20: 00:
69	Human Resource Management	7Z212	2020-21	Core Course	,Master	School of Management Studies	3	05- 20: 00:

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Co St. Da
70	Operations Management	7Z213	2020-21	Core Course	,Master	School of Management Studies	3	05- 20. 00:
71	Business Research Methods	7Z215	2020-21	Core Course	,Master	School of Management Studies	4	05- 20. 00:
72	Project Management and Finance	7Z216	2020-21	Core Course	,Master	School of Management Studies	2	05- 20. 00:
73	Logistics and Supply Chain Management	7Z217	2021-22	Elective Course	,Master	School of Management Studies	2	05- 20. 00:
74	Business Ethics Seminar	7Z220	2021-22	Core Course	,Master	School of Management Studies	3	05- 20. 00:
75	Strategic Management	7Z321	2021-22	Core Course	Master	School of Management Studies	4	05- 20. 00:
76	Legal and Economic Environment of Business	7Z323	2021-22	Core Course	,Master	School of Management Studies	4	05- 20. 00:
77	Quantitative Analysis for Business Decisions	7Z324	2021-22	Core Course	,Master	School of Management Studies	4	05- 20. 00:
78	Security Analysis and Portfolio Management	7Z325	2021-22	Elective Course	,Master	School of Management Studies	4	05- 20. 00:
79	Financial Institutions Markets and Services	7Z329	2021-22	Elective Course	,Master	School of Management Studies	3	05- 20. 00:

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Co Sta Da
80	Strategic Investment and Financing Decisions	7Z333	2021-22	Elective Course	,Master	School of Management Studies	3	05- 20: 00:
81	Services Marketing	7Z330	2021-22	Elective Course	,Master	School of Management Studies	3	06- 20: 00:
82	Retailing Management	7Z334	2021-22	Elective Course	,Master	School of Management Studies	3	05- 20: 00:
83	Business Analytics	7Z439	2021-22	Core Course	,Master	School of Management Studies	3	05- 20: 00:
84	Management of Derivatives	7Z440	2021-22	Elective Course	,Master	School of Management Studies	3	11- 20: 00:
85	Behavioral Finance	7Z444	2021-22	Elective Course	,Master	School of Management Studies	3	11- 20: 00:
86	Product and Brand Management	7Z441	2021-22	Elective Course	,Master	School of Management Studies	3	05- 20: 00:
87	Customer Relationship Management	7Z445	2021-22	Elective Course	,Master	School of Management Studies	3	05- 20: 00:
88	Digital Marketing	7Z449	2021-22	Elective Course	,Master	School of Management Studies	3	05- 20: 00:

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

Srno	Title of Course	Academic Year	Type of Certificate Program	Certificate Program/MDP/FDP/EDP Sponsored/Supported by	Certificate Program Offering Department/ Centre/ Unit Name
1	3D Modelling and 3D Printing	2021-22	Short-term Certificate Program	Self Sponsored/Supported	Mechanical Engineering Department
2	Automobile Vehicle Building	2020-21	Short-term Certificate Program	Self Sponsored/Supported	Mechanical Engineering department
3	Hands-on Training on Arduino Boards	2020-21	Short-term Certificate Program	Self Sponsored/Supported	Microchip Academy
4	Cisco CCNAv7 Introduction to Networks (CCNAv7-ITN)	2020-21	Short-term Certificate Program	Self Sponsored/Supported	Cisco CCNAv7 Introduction to Networks (CCNAv7
5	Cisco CCNAv7 Switching Routing and Wireless Essentials (CCNAv7-SREW)	2020-21	Short-term Certificate Program	Self Sponsored/Supported	CISCO Networking Academy
6	Cisco CCNAv7 Introduction to Networks (CCNAv7-ITN)	2020-21	Short-term Certificate Program	Self Sponsored/Supported	CISCO Networking Academy
7	Cisco CCNAv7 Introduction to Networks (CCNAv7-ITN)	2020-21	Short-term Certificate Program	Self Sponsored/Supported	CISCO Networking Academy
8	CISCO Networking Academy	2020-21	Short-term Certificate Program	Self Sponsored/Supported	ECE Dept
9	Machine Learning	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	ECE Dept

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
10	Faculty Development Program on Deep Learning Techniques	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	ECE Dept
11	Embedded Systems	2020-21	Short-term Certificate Program	Self Sponsored/Supported	Microchip Academy
12	MAT LAB	2020-21	Short-term Certificate Program	Self Sponsored/Supported	ECE Dept
13	Sims link	2020-21	Short-term Certificate Program	Self Sponsored/Supported	ECE Dept
14	Hands-on Training	2020-21	Short-term Certificate Program	Self Sponsored/Supported	CISCO Networking Academy
15	Student Innovation Idea Prototype Competition	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	Electronics and Comp Engineering
16	Foundations for Machine Learning	2020-21	Short-term Certificate Program	Self Sponsored/Supported	Electronics and Comp Engineering
17	Essentials of Entrepreneurship	2020-21	Entrepreneurship Development Program (EDP)	Self Sponsored/Supported	Electronics and Comp Engineering
18	Trends and Challenges in the Design and Implementation of Planar Antennas	2020-21	Short-term Certificate Program	Self Sponsored/Supported	Electronics and Comp Engineering
19	Trends and Advances in Cryptography	2020-21	Short-term Certificate Program	Self Sponsored/Supported	Electronics and Comp Engineering

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
20	Low Power Circuits Energy Harvesting for Iot Applications	2020-21	Entrepreneurship Development Program (EDP)	Self Sponsored/Supported	Electronics and Comp Engineering
21	Entrepreneurial Opportunities and Financial Viability	2020-21	Faculty Development Program (FDP)	Industry/Non-Govt.	Electronics and Comp Engineering
22	Nptel Course on Design Thinking - A Primer	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	Electronics and Comp Engineering
23	Online workshop on Resurgence of Entrepreneurship and startups at Indian glance	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	Electronics and Comp Engineering
24	One week online workshop on Innovation Design Thinking and Entrepreneurship	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	Electronics and Comp Engineering
25	A webinar on overview of IPRs	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	Electronics and Comp Engineering
26	A National Level Online FDP on Innovation Incubation and Entrepreneurship	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	Electronics and Comp Engineering
27	IIC Innovation Ambassadors Training Series	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	Electronics and Comp Engineering
28	IPR for Innovation Management	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	Electronics and Comp Engineering

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
29	IIC Innovation Ambassadors Training Program - Advanced Level	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	Electronics Computer Engineeing
30	IIC Innovation Ambassadors Training Program - Advanced Level	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	Electronics and Comp Engineering
31	A five day innovation series on IP search and filing	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	Electronics and Comp Engineering
32	A one week FDP on Design Thiking in Engineering Education	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	Electronics and Comp Engineering
33	World IP Day Webinar on IP and Youth Innovating for a better Future	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	Electronics and Comp Engineering
34	A one week Entrepreneurship Development Program	2020-21	Short-term Certificate Program	Self Sponsored/Supported	Electronics and Comp Engineering
35	A Talk on entrepreneurship	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	Electronics and Comp Engineering
36	A one day workshop on Problem Solving and Idealization	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	Electronics and Comp Engineering
37	A bootcamp on Startup Idea Pitching	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	Electronics and Comp Engineering

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
38	Startup Idea Pitching Competition - 2022	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	Electronics and Comp Engineering
39	A One Week Online Workshop on Design Thinking with UI UX Industry Approach	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	Electronics and Comp Engineering
40	3D Modelling 3D Printing	2021-22	Short-term Certificate Program	Self Sponsored/Supported	Electronics and Comp Engineering
41	Automobile Vehicle Building	2021-22	Short-term Certificate Program	Self Sponsored/Supported	Electronics and Comp Engineering
42	Understanding of Routing and Switching Concepts in Data Communication and Networking using Cisco Packet Tracer	2021-22	Short-term Certificate Program	Self Sponsored/Supported	Electronics and Comp Engineering
43	Free Software and Resources for Technical Education	2021-22	Short-term Certificate Program	Self Sponsored/Supported	Electronics and Comp Engineering
44	Data Science in Real Time Applications	2020-21	Short-term Certificate Program	Self Sponsored/Supported	Electronics and Comp Engineering
45	Cyber Security	2020-21	Short-term Certificate Program	Self Sponsored/Supported	Electronics and Comp Engineering

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
46	A five day innovation series on IP search and filing	2021-22	Short-term Certificate Program	Self Sponsored/Supported	Electronics and Comp Engineering
47	Basic MAT LAB Programming	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	ECE
48	Machine Learning using Python and MAT LAB	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	ECE
49	ICT Tools for Teaching Learning process and Institutes	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	ECE
50	Application of ML DL using MATLAB and Python	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	Electronics and Communication Engineering
51	Demystifying	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	ECE
52	Trends and challenges in the design and implementation of planner antennas	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	Electronics and Communication Engineering
53	5G RF ASICs	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	ECE
54	Electro magnitics microwave RF and antenna design using Ansys HFSS	2020-21	Short-term Certificate Program	Self Sponsored/Supported	Electronics Communic Engineering

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
55	Demystifying 5G RF ASICs	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	Electronics and Communication Engineering
56	Electro magnetics to 5G	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	Electronics and Communication Engineering
57	IoT Protocols and WSN- Theory and practice	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	Electronics and Communication Engineering
58	Python and its use in IOT	2020-21	Short-term Certificate Program	Self Sponsored/Supported	Electronics and Communication Engineering
59	ICT Tools for teaching Learning process and Institute	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	Electronics and Communication Engineering
60	Wireless communication and machine learning algorithms	2020-21	Short-term Certificate Program	Self Sponsored/Supported	Electronics and Communication Engineering
61	Computer Networks simulation using NS2	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	Electronics and Communication Engineering
62	Signal processing techniques for advanced wireless communication	2020-21	Short-term Certificate Program	Self Sponsored/Supported	Electronics and Communication Engineering
63	Internet of Things	2020-21	Short-term Certificate Program	Self Sponsored/Supported	Electronics and Communication Engineering

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
64	Cognitive radio-wireless sensor networks applications challenges and research trends	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	Electronics and Communication Engineering
65	Online Teaching Learning processes using ICT tools for education	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	Electronics and Communication Engineering
66	Demystifying 5G RF ASICs	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	Electronics and Communication Engineering
67	Electro magnetics to 5G	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	Electronics and Communication Engineering
68	IoT Protocols and WSN- Theory and practice	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	Electronics and Communication Engineering
69	Python and its use in IOT	2020-21	Short-term Certificate Program	Self Sponsored/Supported	Electronics and Communication Engineering
70	ICT Tools for teaching Learning process and Institute	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	Electronics and Communication Engineering
71	Wireless communication and machine learning algorithms	2020-21	Short-term Certificate Program	Self Sponsored/Supported	Electronics and Communication Engineering
72	Computer Networks simulation using NS2	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	Electronics and Communication Engineering

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
73	Signal processing techniques for advanced wireless communication	2020-21	Short-term Certificate Program	Self Sponsored/Supported	Electronics and Communication Engineering
74	Internet of Things	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	Electronics and Communication Engineering
75	Cognitive radio-wireless sensor networks applications challenges and research trends	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	Electronics Communic Engineering
76	Online Teaching Learning processes using ICT tools for education	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	Electronics Communic Engineering
77	Research challenges in optical networks WDM optical Networks Sensor networks Unparalleled communication speed in the future A scalable Approach	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	Electronics Communic Engineering
78	Cyber Security	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	Electronics and Communication Engineering
79	Lab on chip	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	Electronics Communic Engineering

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
80	3 day workshop on Simulation of Wireless Networks using NS-3	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	ECE
81	Advanced Antenna Pattern Synthesis and Beamforming with Computational Intelligence	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	ECE
82	IoT Protocols and WSN- Theory and practice	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	Electronics and Communication Engineering
83	Advances in Signal and Image Processing with hands-on training using MATLAB	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	ECE
84	RF technology for energy harvesting Medical and commercial applications	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	Electronics and Communication Engineering
85	Trends in SoC Design and Its Applications	2020-21	Short-term Certificate Program	Self Sponsored/Supported	ECE
86	Universal Human value on the theme including universal human values in technical education	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	Electronics and Communication Engineering

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
87	VLSI Chip Design Hands-on using Open Source EDA Tools	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	ECE
88	Exploring the advanced FPGAs for partial Reconfiguration and embedded system design	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	Electronics and Communication Engineering
89	Menta material its applications	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	Electronics and Communication Engineering
90	Basic Matlab Programming	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	Electronics and Communication Engineering
91	Recent trends on RF and its applications	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	Electronics and Communication Engineering
92	Modern research trends in communication signal processing and VLSI-MEMS	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	Electronics Communic Engineering
93	Cyber Forensics and attacks	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	Electronics and Communication Engineering
94	Artificial intelligence	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	Electronics and Communication Engineering
95	Physical design and verification	2020-21	Short-term Certificate Program	Self Sponsored/Supported	Electronics and Communication Techr
96	Recent trends in VLSI	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	Electronics and Communication Engineering

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
97	3 day student workshop on arduino programming for beginners	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	Electronics and Communication Engineering
98	Innovation design thinking Entrepreneurship	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	Electronics and Communication Engineering
99	NAAC Accreditation	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	Electronics and Communication Engineering
100	Recent Development in Communication networking Research Opportunities	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	Electronics and Communication Engin
101	Recent trends advancements and applications of communication technologies	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	Electronics and Communication Engineering
102	Effective technical report writing using Latex	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	Electronics and Communication Engineering
103	NAAC Accreditation	2020-21	Management Development Program (MDP)	Self Sponsored/Supported	Electronics and Communication Engineering
104	Seminar series on design and development of cube sat	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	Electronics and Communication Engineering
105	Design of drones	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	Electronics and Communication Engineering

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
106	Research methodology	2020-21	Management Development Program (MDP)	Self Sponsored/Supported	Electronics and Communication Engineering
107	Metamaterial concept and applications	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	Electronics and Communication Engineering
108	Technical document preparation using latex	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	Electronics and Communication Engineering
109	Hands on online training with PIC18 Microcontroller using simulator	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	Electronics and Communication Engineering
110	Design of drones	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	Electronics and Communication Engineering
111	Contemporary research and IPR	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	Electronics and Communication Engineering
112	LATEX for Everyone	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	Electronics and Communication Engineering
113	Essential of Entrepreneurship	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	Electronics and Communication Engineering
114	Introduction to Networks	2020-21	Short-term Certificate Program	Self Sponsored/Supported	Electronics and Communication Engineering
115	Introduction to Networks	2020-21	Short-term Certificate Program	Self Sponsored/Supported	Electronics and Communication Engineering
116	Introduction to Networks	2020-21	Short-term Certificate Program	Self Sponsored/Supported	Electronics and Communication Engineering

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
117	Switching Routing and Wireless Essentials	2020-21	Short-term Certificate Program	Self Sponsored/Supported	Electronics and Communication Engineering
118	Programming Essentials in C	2020-21	Short-term Certificate Program	Self Sponsored/Supported	Electronics and Communication Engineering
119	Programming Essentials in C plus plus	2020-21	Short-term Certificate Program	Self Sponsored/Supported	Electronics and Communication Engineering
120	Introduction to Cyber security	2020-21	Short-term Certificate Program	Self Sponsored/Supported	Electronics and Communication Engineering
121	Introduction to IoT	2020-21	Short-term Certificate Program	Self Sponsored/Supported	Electronics and Communication Engineering
122	Programming Essentials in Python	2020-21	Short-term Certificate Program	Self Sponsored/Supported	Electronics and Communication Engineering
123	Programming Essentials in Python	2020-21	Short-term Certificate Program	Self Sponsored/Supported	Electronics and CommunicationEngine
124	Introduction to Networks	2020-21	Short-term Certificate Program	Self Sponsored/Supported	Electronics and Communication Engineering
125	Introduction to Networks	2020-21	Short-term Certificate Program	Self Sponsored/Supported	Electronics and Communication Engineering
126	Introduction to Cyber security	2020-21	Short-term Certificate Program	Self Sponsored/Supported	Electronics and Communication Engineering
127	Introduction to Packet Tracer	2020-21	Short-term Certificate Program	Self Sponsored/Supported	Electronics and Communication Engineering

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
128	Introduction to Cyber security	2021-22	Short-term Certificate Program	Self Sponsored/Supported	Electronics and Communication Engineering
129	Introduction to IoT	2021-22	Short-term Certificate Program	Self Sponsored/Supported	Electronics and Communication Engineering
130	Introduction to Packet Tracer	2021-22	Short-term Certificate Program	Self Sponsored/Supported	Electronics and Communication Engineering
131	Programming Essentials in Python	2020-21	Short-term Certificate Program	Self Sponsored/Supported	Electronics and Communication Engineering
132	AWS CLOUD VIRTUAL INTERNSHIP	2021-22	Short-term Certificate Program	Self Sponsored/Supported	Electronics and Communication Engineering
133	AWS INTERNSHIP BY AICTE	2021-22	Short-term Certificate Program	Self Sponsored/Supported	Computer Science and Engineeing
134	AWS INTERNSHIP BY AICTE	2021-22	Short-term Certificate Program	Self Sponsored/Supported	Computer Science and Engineering
135	AWS INTERNSHIP BY AICTE	2021-22	Short-term Certificate Program	Self Sponsored/Supported	Computer Science and Engineeing
136	AWS INTERNSHIP BY AICTE	2021-22	Short-term Certificate Program	Self Sponsored/Supported	Computer Science and ENGINEERING
137	AWS INTERNSHIP BY AICTE	2021-22	Short-term Certificate Program	Self Sponsored/Supported	Computer Science and Engineering
138	AWS INTERNSHIP BY AICTE	2021-22	Short-term Certificate Program	Self Sponsored/Supported	Computer Science and Engineering

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
139	Embedded System Training	2021-22	Short-term Certificate Program	Self Sponsored/Supported	ECE
140	Embedded System Training	2021-22	Short-term Certificate Program	Self Sponsored/Supported	ECE
141	Embedded System Training	2020-21	Short-term Certificate Program	Self Sponsored/Supported	ECE
142	Embedded System Training	2020-21	Short-term Certificate Program	Self Sponsored/Supported	ECE
143	Internship	2021-22	Short-term Certificate Program	Self Sponsored/Supported	IT
144	Internship	2021-22	Short-term Certificate Program	Self Sponsored/Supported	IT
145	Internship	2021-22	Short-term Certificate Program	Self Sponsored/Supported	IT
146	Internship	2021-22	Short-term Certificate Program	Self Sponsored/Supported	IT
147	Robotic Process Automation	2021-22	Short-term Certificate Program	Self Sponsored/Supported	Mechanical
148	Robotic Process Automation	2021-22	Short-term Certificate Program	Self Sponsored/Supported	Mechanical

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	Gov
1	Innovation Cell	IOT- center of Excellence	Dr Shruti Bhargava Choubey	9425010423	shrutibhargava@sreenidhi.edu.in	Mer Gran Incu Supp Prot Busi Dev Facil (Inn Moc Mar Grov Stag Ang
2	EDC	Entrepreneurship Development Center	Dr.A Sandhya Rani	99482 5399	sandhyarania@sreenidhi.edu.in	Mer
3	IEDC	Technology Lab	Dr.S.krishna	97058 9004	krishnas@sreenidhi.edu.in	Mer Gran Incu Supp Prot Busi Dev Facil (Inn Moc Mar Grov Stag Ang
4	Innovation Cell	Fabrication CAM & Three D Printing	Dr.V Purushottam	98480 8621	apurushotham@sreenidhi.edu.in	Mer

Sr. No.	Type of the Unit	Name of Unit	In-charge Name	Contact no	Email	Gov
5	AICTE-IDEALab	IDEA -LAB	Dr.SPV Subba RAO	8008935630	spvsubbarao@sreenidhi.edu.in	Mer Incu Supp Prot Busi Dev
6	Tinkering Lab	Advance Material Testing	Dr.P.Niteesh Reddy	8309820025	nitishreddyp@sreenidhi.edu.in	Mer Gran Incu Supp Prot Busi Dev Faci (Inno Moc Mar Grov Stag Ang
7	Innovation Cell	Skill development cell	Dr.T Ch.siva Reddy	9948119481	principal@sreenidhi.edu.in	Mer Gran Incu Supp Prot Busi Dev Faci (Inno Moc Mar Grov Stag Ang

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

Sr. No.	Name of Unit	In-charge Name	Contact no	Email	Govt. Schemes
1	SREENIDHI ASCEND CENTER FOR ENTREPRENEURSHIP & INNOVATION	Dr Shruti Bhargava Choubey	9425010423	sreenidhiascend@gmail.com	MSME,AICTE-IDEALab,CSR/Private,(Resource

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. Scher
1	Technology Transfer Centre /TTO	IPR-Cell	Dr.N.Divya	90000 1809	naademdivya@sreenidhi.edu.in	Mentoring S Grant Suppo Incubation F Support (Ide Prototype a Business Pla Developmen Facility Supp (Innovative Model to St Market Link Growth Stage),Inves Angel a
2	Technology Transfer Centre /TTO	Web & mobile app development center	Dr.Preethi Jeevan	7032654377	preethij@sreenidhi.edu.in	Incubation F Support (Inr Business Mc Startup and Linkage &an Stage)

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	Curr Eng of T Lea Inst
1	Signature verification using neural networks	Academic Requirement/Study Project	2021-22	TRL 5 : Large scale prototype tested in intended environment	Kompala Priyadarshini	Stud
2	SOLAR BASED FAILURE BOAT LOCATION DETECTING SYSTEM	Academic Requirement/Study Project	2021-22	TRL 6 : Prototype system tested in intended environment close to expected performance	JILLA CHANDRA HASA	Stud
3	Automatic tunnel lighting system for road traffic with auto exhaust fan	Academic Requirement/Study Project	2021-22	TRL 6 : Prototype system tested in intended environment close to expected performance	Kompala Priyadarshini	Stud
4	SIGNAL PROCESSING AND MACHINE LEARNING BASED AUTOMATED CLASSIFICATION OF MENTAL, MOTOR AND IDLE IMAGERIES	Academic Requirement/Study Project	2021-22	TRL 6 : Prototype system tested in intended environment close to expected performance	JILLA CHANDRA HASA	Stud
5	Organic Diet for Sustainable Future (Orgo-Farm)	Academic Requirement/Study Project	2021-22	TRL 5 : Large scale prototype tested in intended environment	Akula Vamshikrishna	Stud

Sr. No.	Innovation Name	Developed as part of	FY of Development (FY. 2020-21,2021-22)	TRL Stage	Team Lead/Innovator Name	Curr Eng of T Lea Inst
6	SMART ENTRY SYSTEM FOLLOWING COVID-19 PROTOCOLS	Academic Requirement/Study Project	2021-22	TRL 6 : Prototype system tested in intended environment close to expected performance	BHUKYA HIMABINDU	Stud
7	Efficient power management system designed for street lights	Academic Requirement/Study Project	2021-22	TRL 6 : Prototype system tested in intended environment close to expected performance	Himanshu	Stud
8	IOT based Manhole Detection and Monitoring System	Academic Requirement/Study Project	2021-22	TRL 6 : Prototype system tested in intended environment close to expected performance	Himanshu	Stud
9	BIOMETRIC BASED SMART RATION DISTRIBUTION SYSTEM	Academic Requirement/Study Project	2021-22	TRL 6 : Prototype system tested in intended environment close to expected performance	Archana Mangalagiri	Stud
10	BIOMETRIC BASED SMART RATION DISTRIBUTION SYSTEM	Academic Requirement/Study Project	2021-22	TRL 6 : Prototype system tested in intended environment close to expected performance	Archana Mangalagiri	Stud

Sr. No.	Innovation Name	Developed as part of	FY of Development (FY. 2020-21,2021-22)	TRL Stage	Team Lead/Innovator Name	Curr Eng of T Lea Insti
11	Unique Signal System for Road Traffic	Academic Requirement/Study Project	2021-22	TRL 6 : Prototype system tested in intended environment close to expected performance	Vishal Pranav	Stud
12	WIRELESS POWER CHARGER WITH DIGITAL MONITORING SYSTEM	Academic Requirement/Study Project	2021-22	TRL 6 : Prototype system tested in intended environment close to expected performance	Siddamshetti Sathwik	Stud
13	IOT BASED UNATTAINED TEMPER PROOF DIGITAL ENERGY METER	Academic Requirement/Study Project	2021-22	TRL 6 : Prototype system tested in intended environment close to expected performance	TANKASHALA KOMAL	Stud
14	ROUTER 1X3-RTL DESIGN AND VERIFICATION	Academic Requirement/Study Project	2021-22	TRL 5 : Large scale prototype tested in intended environment	Kamuni Sharath	Stud
15	Tic Tac Toe by minimax Alpha-Beta pruning using arduino	Academic Requirement/Study Project	2021-22	TRL 5 : Large scale prototype tested in intended environment	Sandeep Hemadribhotla	Stud

Sr. No.	Innovation Name	Developed as part of	FY of Development (FY. 2020-21,2021-22)	TRL Stage	Team Lead/Innovator Name	Curr Eng of T Lea Inst
16	PROJECT-2 SKY BUS	Academic Requirement/Study Project	2021-22	TRL 6 : Prototype system tested in intended environment close to expected performance	pramod	Alur
17	UNATTAINED TAMPER PROOF DIGITAL ENERGY METER BASED ON IOT	Academic Requirement/Study Project	2021-22	TRL 6 : Prototype system tested in intended environment close to expected performance	A.Rohith	Stud
18	BIOACOUSTIC MONITORING OF ENDANGERED BIRD POPULATION	Academic Requirement/Study Project	2021-22	TRL 5 : Large scale prototype tested in intended environment	Geeta Vemula	Facu
19	CARDIOVASCULAR DISEASE PREDICTION USING MACHINE LEARNING ALGORITHMS TO FIND THE BEST ACCURATE MODEL	Academic Requirement/Study Project	2021-22	TRL 5 : Large scale prototype tested in intended environment	Geeta Vemula	Facu
20	AUTOMATIC LICENSE NUMBER PLATE DETECTION USING DEEP LEARNING	Academic Requirement/Study Project	2021-22	TRL 5 : Large scale prototype tested in intended environment	Geeta Vemula	Facu

Sr. No.	Innovation Name	Developed as part of	FY of Development (FY. 2020-21,2021-22)	TRL Stage	Team Lead/Innovator Name	Curr Eng of T Lea Inst
21	Electrocution Prevention using IOT	Academic Requirement/Study Project	2021-22	TRL 7 : Demonstration system operating in operational environment at pre-commercial scale	GANTLA HARISH REDDY	Facu
22	DIGITALIZING THE PRINTING MARKETING	Academic Requirement/Study Project	2021-22	TRL 5 : Large scale prototype tested in intended environment	Geeta Vemula	Facu
23	KEPLER 425B	Academic Requirement/Study Project	2021-22	TRL 5 : Large scale prototype tested in intended environment	Geeta Vemula	Facu
24	Customer Churn Prediction	Academic Requirement/Study Project	2021-22	TRL 5 : Large scale prototype tested in intended environment	Geeta Vemula	Facu
25	ANALYSIS OF IMAGE PROCESSING TECHNIQUES FOR CLASSIFICATION OF PLANT DISEASES	Academic Requirement/Study Project	2021-22	TRL 5 : Large scale prototype tested in intended environment	N.Shivani	Facu
26	ASSISTED VISION	Academic Requirement/Study Project	2021-22	TRL 5 : Large scale prototype tested in intended environment	N.Shivani	Facu

Sr. No.	Innovation Name	Developed as part of	FY of Development (FY. 2020-21,2021-22)	TRL Stage	Team Lead/Innovator Name	Curr Eng of T Lea Inst
27	FOOD WASTE MANAGEMENT SYSTEM	Academic Requirement/Study Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	N.Shivani	Facu
28	Detecting Anomalies in Crowded Scenes Using CNN	Academic Requirement/Study Project	2021-22	TRL 5 : Large scale prototype tested in intended environment	N.Shivani	Facu
29	SONG RECOMMENDATION SYSTEM USING SPOTIFY API	Academic Requirement/Study Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	N.Shivani	Facu
30	Smart Air Purifying and Health monitoring system	Academic Requirement/Study Project	2021-22	TRL 7 : Demonstration system operating in operational environment at pre-commercial scale	Sreenidhi Hub	Facu
31	TRAVEL ESCORT	Independent Assignment/Non-academic Study Project	2021-22	TRL 6 : Prototype system tested in intended environment close to expected performance	Sreenidhi Hub	Facu

Sr. No.	Innovation Name	Developed as part of	FY of Development (FY. 2020-21,2021-22)	TRL Stage	Team Lead/Innovator Name	Curr Eng of T Lea Inst
32	PRINTSMARTER	Independent Assignment/Non-academic Study Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	Gelli Tharuni	Stud
33	Develop a YouTube Transcript Summarizer using Natural language processing	Academic Requirement/Study Project	2021-22	TRL 6 : Prototype system tested in intended environment close to expected performance	Dr. Manu Gupta	Facu
34	EMAIL SPAM CLASSIFICATION USING NATURAL LANGUAGE PROCESSING (NLP)	Academic Requirement/Study Project	2021-22	TRL 6 : Prototype system tested in intended environment close to expected performance	Dr. Manu Gupta	Facu
35	Fake news detection using Machine Learning	Academic Requirement/Study Project	2021-22	TRL 7 : Demonstration system operating in operational environment at pre-commercial scale	Dr. Manu Gupta	Facu
36	Forest Fires Detection using IOT	Academic Research Assignment/Industry Sponsored Project	2021-22	TRL 6 : Prototype system tested in intended environment close to expected performance	Dr.Rohita Y	Facu

Sr. No.	Innovation Name	Developed as part of	FY of Development (FY. 2020-21,2021-22)	TRL Stage	Team Lead/Innovator Name	Curr Eng of T Lea Inst
37	C HARSH VARDHAN	Academic Requirement/Study Project	2021-22	TRL 7 : Demonstration system operating in operational environment at pre-commercial scale	C HARSH VARDHAN	Stud
38	THERMOELECTRIC COOLER USING WIND ENERGY	Academic Requirement/Study Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	TVS KRISHNA SAKET	Stud
39	DESIGN OF MULTI-PURPOSE AGRICULTURE MACHINE BASED ON SOLAR ENERGY	Academic Requirement/Study Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	P Rahul	Stud
40	Design and fabrication of a prototype for beach cleaning machine	Academic Requirement/Study Project	2021-22	TRL 5 : Large scale prototype tested in intended environment	SAILAJA SREEYA NEMANI	Stud
41	Prototype of Automatic irrigation system	Academic Requirement/Study Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	GUBBA PAVAN KUMAR	Stud

Sr. No.	Innovation Name	Developed as part of	FY of Development (FY. 2020-21,2021-22)	TRL Stage	Team Lead/Innovator Name	Curr Eng of T Lead Inst
42	Design and Fabrication of Advanced Multipurpose Agricultural Robot	Academic Requirement/Study Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	T CHANDRA SHEKAR	Stud
43	MITHRA	Academic Requirement/Study Project	2021-22	TRL 5 : Large scale prototype tested in intended environment	Gummadelly Bhargav	Stud
44	Gas Leakage Detector with SMS Alert using ARDUNIO and GSM module	Academic Requirement/Study Project	2021-22	TRL 7 : Demonstration system operating in operational environment at pre-commercial scale	MADISHETTY VIVEK	Stud
45	Segmentation of Hyperspectral Image	Academic Research Assignment/Industry Sponsored Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	V SARAVANA KUMAR	Facu
46	IoT BASED SMART CONTAINER USING NODE-MCU	Academic Requirement/Study Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	Chiluveri Madhan Kumar	Stud

Sr. No.	Innovation Name	Developed as part of	FY of Development (FY. 2020-21,2021-22)	TRL Stage	Team Lead/Innovator Name	Curr Eng of T Lea Inst
47	EMBEDDED BASED AUTOMATIC TICKETING SYSTEM FOR PUBLIC TRANSPORT	Academic Requirement/Study Project	2021-22	TRL 7 : Demonstration system operating in operational environment at pre-commercial scale	Venu Gopala Krishna. Sista	Stud
48	Smart Agriculture And Pest Detection	Academic Requirement/Study Project	2021-22	TRL 7 : Demonstration system operating in operational environment at pre-commercial scale	V . TANVI	Stud
49	SMART HELMET FOR MINING	Academic Requirement/Study Project	2021-22	TRL 7 : Demonstration system operating in operational environment at pre-commercial scale	M. ANJALI SRI TEJA	Stud
50	SMART HELMET FOR MINING	Academic Requirement/Study Project	2021-22	TRL 7 : Demonstration system operating in operational environment at pre-commercial scale	M. ANJALI SRI TEJA	Stud

Sr. No.	Innovation Name	Developed as part of	FY of Development (FY. 2020-21,2021-22)	TRL Stage	Team Lead/Innovator Name	Curr Eng of T Lea Inst
51	Artifical Irrigation system using Arduino	Academic Requirement/Study Project	2021-22	TRL 6 : Prototype system tested in intended environment close to expected performance	SUDHEER KUMAR	Stud
52	LINE FOLLOWER AND BLUETOOTH CONTROLLED CAR	Academic Requirement/Study Project	2021-22	TRL 7 : Demonstration system operating in operational environment at pre-commercial scale	GOGADA VARUN KUMAR	Stud
53	Third Eye for Blind	Academic Requirement/Study Project	2021-22	TRL 6 : Prototype system tested in intended environment close to expected performance	M.Srujan	Stud
54	SMART RECEPTIONIST WITH SMART LOCK SYSTEM	Academic Requirement/Study Project	2021-22	TRL 7 : Demonstration system operating in operational environment at pre-commercial scale	SHAGAMREDDY PAVANI	Stud
55	Voice controlled robot with Obstacle Avoidance	Academic Requirement/Study Project	2021-22	TRL 7 : Demonstration system operating in operational environment at pre-commercial scale	Harsh Yellai	Stud

Sr. No.	Innovation Name	Developed as part of	FY of Development (FY. 2020-21,2021-22)	TRL Stage	Team Lead/Innovator Name	Curr Eng of T Lea Inst
56	Bluetooth controlled Robotic Arm	Academic Requirement/Study Project	2021-22	TRL 7 : Demonstration system operating in operational environment at pre-commercial scale	Valluri sri keerthiraj	Stud
57	Smart Waste Management System using Aurdino	Academic Requirement/Study Project	2021-22	TRL 7 : Demonstration system operating in operational environment at pre-commercial scale	Revanth Reddy Ayyala	Stud
58	Patient Health Monitoring Using Arduino	Academic Requirement/Study Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	Ananthula. Shiva	Stud
59	ALCHOL SENSING ALERT WITH ENGINE LOCKING SYSTEM	Academic Requirement/Study Project	2021-22	TRL 6 : Prototype system tested in intended environment close to expected performance	Soma Samrat	Stud
60	IoT Based Smart Key Chain	Academic Requirement/Study Project	2021-22	TRL 7 : Demonstration system operating in operational environment at pre-commercial scale	Valishetti Pooja	Stud

Sr. No.	Innovation Name	Developed as part of	FY of Development (FY. 2020-21,2021-22)	TRL Stage	Team Lead/Innovator Name	Curr Eng of T Lea Inst
61	Secret door knocking system	Academic Requirement/Study Project	2021-22	TRL 6 : Prototype system tested in intended environment close to expected performance	Gujjula Shiva Prasad Reddy	Stud
62	Elevator Controller using verilog HDL	Academic Requirement/Study Project	2021-22	TRL 7 : Demonstration system operating in operational environment at pre-commercial scale	Shreya	Stud
63	Smart doorlock system using fingerprint and arduino	Academic Requirement/Study Project	2021-22	TRL 7 : Demonstration system operating in operational environment at pre-commercial scale	Kulkarni sumanth	Stud
64	Wi-Fi BASED SMART DOORBELL SECURITY SYSTEM USING IOT	Academic Requirement/Study Project	2021-22	TRL 5 : Large scale prototype tested in intended environment	Blessy Vejendla	Stud
65	IoT Based Vehicle Accident Detection and Alert System	Academic Requirement/Study Project	2021-22	TRL 7 : Demonstration system operating in operational environment at pre-commercial scale	MADAM VAMSHI KRISHNA	Stud

Sr. No.	Innovation Name	Developed as part of	FY of Development (FY. 2020-21,2021-22)	TRL Stage	Team Lead/Innovator Name	Curr Eng of T Lea Inst
66	Attractiveness and User-friendliness of AICTE Website	Academic Requirement/Study Project	2021-22	TRL 5 : Large scale prototype tested in intended environment	Nimmagadda Veera Venkata Satyanarayana	Stud
67	SOCIAL DISTANCING PROTECTION	Academic Requirement/Study Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	chandana somineni	Stud
68	HUMAN AILMENT CLASSIFICATION USING MACHINE LEARNING ALGORITHMS	Academic Requirement/Study Project	2021-22	TRL 6 : Prototype system tested in intended environment close to expected performance	sanika narayanpethkar	Stud
69	BRAIN TUMOR DETECTION USING DEEP LEARNUNG	Academic Requirement/Study Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	BOBBA KAVYA REDDY	Stud
70	SALES FORECASTING FOR SUPERSTORE DATA	Academic Requirement/Study Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	KOLLURI SAHAJA	Stud

Sr. No.	Innovation Name	Developed as part of	FY of Development (FY. 2020-21,2021-22)	TRL Stage	Team Lead/Innovator Name	Curr Eng of T Lead Inst
71	DROWSINESS DETECTION USING MACHINE LEARNING	Academic Requirement/Study Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	KAVYA DODLA	Stud
72	DROWSINESS DETECTION USING MACHINE LEARNING	Academic Requirement/Study Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	KAVYA DODLA	Stud
73	Emergency 911	Academic Requirement/Study Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	Lingala Pranavi Rao	Stud
74	Emergency 911	Academic Requirement/Study Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	Lingala Pranavi Rao	Stud
75	fake currency detection using machine learning	Academic Requirement/Study Project	2021-22	TRL 5 : Large scale prototype tested in intended environment	BHATTA PARDHU	Stud

Sr. No.	Innovation Name	Developed as part of	FY of Development (FY. 2020-21,2021-22)	TRL Stage	Team Lead/Innovator Name	Curr Eng of T Lea Inst
76	DEPLOYING AN APPLICATION ON KUBERNETES	Academic Requirement/Study Project	2021-22	TRL 6 : Prototype system tested in intended environment close to expected performance	Dr. Manu Gupta	Facu
77	PRASAAR - Automatic Foot Massager	Academic Requirement/Study Project	2021-22	TRL 7 : Demonstration system operating in operational environment at pre-commercial scale	Keerthigari Shivani	Stud
78	Pranayaan Low Cost Ventilator	Academic Research Assignment/Industry Sponsored Project	2020-21	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	Aditya Reddy Lellapati	Stud
79	UV sterilization robot	Independent Assignment/Non-academic Study Project	2020-21	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	Mugala Shravani	Stud

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

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

Sr. No.	Startup/Venture Name	Startup/Venture Registered as	CIN No/LLP/OPC/RC No
1	Magniity	SME Registered Unit (Valid GST No.)	null
2	New gen faucet	Registered Partnership Firm	U28990HP2012PLC000198 **View Document (https://api.mic.gov.in//uploads/institutes/innovationcontes**

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	Murata Electronics Singapore	International Agency	2	Active	22-10-2021	View (/Upl
2	Juniper Networks	Research Park	2	Active	30-06-2021	View (/Upl

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	Revature Educational Oraganisation	Non Govt. Agency	2	Active	25-04-2022	View (/Upl
4	Six Phrase	Research Park	3	Active	01-02-2022	View (/Upl
5	T-Hub Foundation	Corporate/Industry Association	3	Active	31-12-2022	View (/Upl
6	EPAM Center of Excellence	Corporate/Industry Association	2Yrs	Active	29-03-2022	View (/Upl
7	IBC Media	Corporate/Industry Association	2Yrs	Active	01-08-2022	View (/Upl
8	EduSkills	Non Govt. Agency	3	Active	01-02-2022	View (/Upl
9	Bala Vikasa International Center	Non Govt. Agency	2	Active	24-08-2022	View (/Upl
10	Astropreneurs HUB Pvt Ltd	Incubation Unit	2Yrs	Active	17-02-2021	View (/Upl
11	MAGNITY invoice	Incubation Unit	2Yrs	Active	30-11-2021	View (/Upl
12	Your Dost Health Solutions	Corporate/Industry Association	2Yrs	Active	27-10-2020	View (/Upl
13	Aspiring Minds Assessment	Incubation Unit	3	Active	06-02-2021	View (/Upl
14	Aspiring Minds	Research Park	2	Active	13-09-2020	View (/Upl
15	National Association of Software and Service Companies	Corporate/Industry Association	3Yrs	Active	25-09-2020	View (/Upl
16	KRK Power Pvt Limited	Corporate/Industry Association	3Yrs	Active	01-09-2021	View (/Upl

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
17	National Institute of Technology	Research Park	2	Active	01-02-2022	View (/Upl
18	Mahatma Gandhi National Council of Rural Education	Corporate/Industry Association	3Yrs	Active	02-12-2021	View (/Upl
19	CANTILEVER LABS	Incubation Unit	2Yrs	Active	24-02-2020	View (/Upl
20	Palo Alto Cyber security Academy Membership	Knowledge/Mentoring Agency	2	Active	03-02-2021	View (/Upl
21	Blue Prism	Corporate/Industry Association	2Yrs	Active	01-02-2021	View (/Upl
22	IBS GLOBAL	Non Govt. Agency	2	Active	26-09-2022	
23	National Academy of Construction	Non Govt. Agency	2	Active	15-06-2022	View (/Upl

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	Cycle Handle Grip'	Design	347771-001	15-09-2021	Yes

Sr. No.	Title/Name of IP (Copyright/Design Only)	Type of IP	IP Registration Number of Copyright/Design	Date of Filed/Published	Has this IP(Copyright & Designs Only) been Commercialized/Transferred to Industry/Startup/Society?
2	Support Structure for Adaptive Dampening System of Wind Mil	Design	355685-001	10-08-2022	Yes
3	Advanced Construction Truck'	Design	363460-001	06-07-2022	Yes
4	Construction Barrier'	Design	367055-001	04-05-2022	Yes
5	5 Row Scaffolding Gallery Structure'	Design	367772-001	02-04-2022	Yes
6	Prefabricated Bridge Element'	Design	368685-001	11-10-2022	Yes
7	Zamindar- Soil Nutrients Analysis Kiosk. (Zamindar)	Design	337363-001	01-09-2021	No
8	Hango Engine Pump	Design	337362-001	01-09-2021	No
9	Saline Dispenser Case	Design	329804-001	04-06-2020	No
10	Zamindar- Soil Nutrients Analysis Kiosk. (Zamindar)	Design	337363-001	09-01-2021	No
11	New Gen Faucet	Design	334216-001	13-10-2020	No
12	Camping Stove with Mobile Charging Facility	Design	360149-001	08-03-2022	No

7.2) Patents Filed by HEI

Sr. No.	Title/Name of Patent	IP Registration Number	Date of Filed/Published
1	AN INTEGRATED COOLING SYSTEM WITH CEILING FAN AND AN AIR CONDITIONING EQUIPMENT CONTAINED THEREIN TO ACHIEVE OPTIMAL COOLING AND COMFORT FACTOR	201941024871	03-03-2022

Sr. No.	Title/Name of Patent	IP Registration Number	Date of Filed/Published
2	A SYSTEM AND MODULE AND DEVICE BASED UPON MOBILE APPLICATION FOR IDENTIFYING OF ARTICLES / OBJECTS WHICH ARE FREQUENTLY MISPLACED	201941046998	21-05-2021
3	A TERTIARY ATTACHMENT MODEL FOR CREATING A DYNAMIC NETWORK	201941048051	28-05-2021
4	TECHNOLOGY DRIVEN-REAL TIME AIR POLLUTION MONITORING	201941052812	03-01-2020
5	ACOUSTIC ECHO CANCELLATION ALGORITHM FOR CHANNEL ESTIMATION IN FULLY SCHEDULED PRECODER BASED POMA STRUCTURED LTE NETWORK	202041044247	16-10-2020
6	DIGITAL IMAGE PROCESSING TECHNIQUES USING MATLAB	202141027199	02-02-2021
7	BLOCKCHAIN TECHNOLOGY BASED SYSTEM FOR PRESERVING ELECTRONIC HEALTH RECORDS	202141039782	09-09-2021
8	Integration of HVAC and Refrigeration Systems Through Interfacing in Supermarkets for Improved Energy Savings	202141031469	02-02-2021
9	A Novel Experimental Set Up For Testing Of Mechanical-Thermal Behaviour of 4D Printed Specimen	202141004178	30-08-2022
10	An improved thermo-luminescent bio-glass and a method of manufacture thereof	202041037196	02-08-2020
11	VLSI Based Implementation of Robotic ARM Control with Leap Motion	202141001394	15-01-2021
12	AIR Quality Monitoring Device using Internet of Things (IOT)	202041031947	21-08-2021
13	A Utility Based on Speech Enable Interactive Voice Response (SEIVR) for Providing Online Market Place for Farmers for Selling of Farm Produce	202041034753	20-04-2020
14	Intelligent IoT system to predict rainfall in a targeted location based on current weather parameters	202141037611	09-10-2021
15	Security card of ATM	202141007247	26-03-2021
16	"A system and query based mining method on public open Data repository for knowledge extraction "	202041056820	01-08-2021
17	Apparatus for performing operations in a farm	202041009625	13-03-2020
18	Human activity prediction using AI- based machine learning Programming	202041030779	21-08-2020
19	Automatic voltage Level UP/ Level DOWN shifter for VLSI circuits	202041017082	05-06-2020

Sr. No.	Title/Name of Patent	IP Registration Number	Date of Filed/Published
20	Health related crisis ready plan through wireless sensor network and the cloud computing at populated spots	202041009022	06-03-2020
21	"A Robotic Device for cleaning of beaches enabled by Wireless Control "	202041022652	19-06-2020
22	A Transmission gate voltage level translator for deep sub-micron technology	202141028829	17-06-2021
23	A SYSTEM FOR PREAMBLE DATA GENERATION AND ENCODING NESTED QR CODE AND METHOD THEREOF	202141040652	07-09-2022
24	A SYSTEM FOR PREAMBLE DATA GENERATION AND ENCODING NESTED QR CODE AND METHOD THEREOF	202141040841	09-09-2021
25	A SMART PUMPING MOTOR WITH INBUILT MAINTAINANCEMECHANISMS	202141007676	24-02-2021
26	Design and Implementation for Traffic Violation Detection of Vehicles using OCR Algorithm Based on Artificial Intelligence Technique	202141040841	17-09-2021
27	A Dual Role Antenna System with Noise Mitigation	202141032274	13-08-2022
28	SMART CITY BUS SYSTEM BASED UPON NEAR FIELD COMMUNICATION (NFC) TECHNIQUE	202041025347	07-12-2022
29	ASPT- IDENTIFYING PAPER CURRENCY: AUTOMATIC IDENTIFYING PAPER CURRENCY, STOCKS, STAMPS USING IMAGE PROCESSING TECHNOLOGY	202041030474	07-07-2021
30	A Robotic Device for Cleaning of Beaches enabled by Wireless Control	202041022652	19-06-2022
31	Doorbell using Piezo Electric Energy Harvesting Unit as a Doormat	202041017470	29-05-2020
32	Enforced Thermal Regeneration Engine	202141042243	19-09-2021
33	MACHINE LEARNING AND EMBEDDED SENSOR BASED SMART ROBOT FOR RAILWAY TRACK INSPECTION	202241026380	06-05-2022
34	Damper Control for Structural Vibrational Compensation Adopting Principles of Machine Learning	2021102483	16-06-2021
35	IoT and Machine Learning-based Headlight Intensity Changing device for Electrical Vehicles	2021101737	09-06-2021
36	IoT and Machine Learning based Power Generation from Sewage Water	2021101956	16-06-2021
37	AI and IoT enabled Smart Medicine Box	2021102001	09-06-2021

Sr. No.	Title/Name of Patent	IP Registration Number	Date of Filed/Published
38	SOLAR PARK MONITORING AND FAULT DETECTION SYSTEM USING IOT AND MACHINE LEARNING	2021102330	09-06-2021
39	SMART RIGID PAVEMENT	2021106229	19-01-2022

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	2021106924	smart refrigerator using IOT & intelligent cloud for life expedidence	24-08-2021	Granted	2021	Other(Individual)
2	202141055255	IOT AND WIRELESS SENSOR NETWORK BASED INTELLIGENT HOME BELL SYSTEM FOR EFFECTIVE HOUSE PROTECTIONS	29-11-2021	Published	2021	Applicant
3	202141053482	A SYSTEM AND METHOD FOR ADJUSTING RESONANT HIGH FREQUENCY, FILTER WITH MULTIPLE FILTER CIRCUIT FOR COMMUNICATION DEVICE	21-11-2021	Published	2021	Applicant
4	202141053359	Mobile Commerce: Consumer Risk Perception When Purchasing	19-11-2021	Published	2021	Applicant
5	202141048070	IoT and Machine Learning-based Navigation Device for Blind	21-10-2021	Published	2021	Co-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
6	202141047283	Anti-Theft system based on the Internet of Things (IoT) to monitor unusual movements-	18-10-2021	Published	2021	Co-Applicant
7	202141046600	The challenges, opportunities and key role of rural market in India for GDP growth	12-10-2021	Published	2021	Applicant
8	202141046100	INTELLIGENT SYSTEM FOR AUTOMATIC HEEL ADJUSTMENT IN WOMEN SHOES USING IOT & DEEP LEARNING	09-10-2021	Published	2021	Co-Applicant
9	202141045557	An investigation into the factors that influence the IoT-based smart hospitals design-	06-10-2021	Published	2021	Co-Applicant
10	202141040841	A SYSTEM FOR PREAMBLE DATA GENERATION AND ENCODING NESTED QR CODE AND METHOD THEREOF	09-09-2021	Published	2021	Co-Applicant
11	202141040652	Design and Implementation for Traffic Violation Detection of Vehicles using OCR Algorithm Based on Artificial Intelligence Technique	07-09-2021	Published	2021	Co-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
12	202141039782	BLOCKCHAIN TECHNOLOGY BASED SYSTEM FOR PRESERVING ELECTRONIC HEALTH RECORDS	02-09-2021	Published	2021	Co-Applicant
13	202141036720	B-ATM Transaction: Biometric Transaction Authorization based on user location Verification-	13-08-2021	Published	2021	Co-Applicant
14	202141028829	TRANSMISSION GATE VOLTAGE LEVEL TRANSLATOR FOR DEEP SUB-MICRON TECHNOLOGY	27-06-2021	Published	2021	Co-Applicant
15	202141027199	DIGITAL IMAGE PROCESSING TECHNIQUES USING MATLAB	18-06-2021	Published	2021	Applicant
16	202141019090	RECOGNIZING PARKING SPOTS AND DISTINGUISHING INHABITANCE UTILIZING VISION-BASED IOT	26-04-2021	Published	2021	Applicant
17	202141016887	System and Method of Intelligent Coffee Vending Machine	10-04-2021	Published	2021	Co-Applicant
18	202141014146	SMART RENEWABLE ENERGY BASED SHOES TO SUPPORT HEALTHY LIFE	30-03-2021	Published	2021	Co-Applicant
19	202141010013	A GENERIC FRAMEWORK FOR BUSINESS INNOVATION THROUGH SOCIAL NETWORKS	10-03-2021	Published	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
20	202141007676	A SMART PUMPING MOTOR WITH INBUILT MAINTAINANCE MECHANISMS	24-02-2021	Published	2021	Co-Applicant
21	202141007441	ENHANCED IMAGE COMPRESSION SYSTEM WITH PARALLELIZED BINARY SEARCH TREE OPTIMIZATION METHOD FOR MEDICAL IMAGES	23-02-2021	Published	2021	Applicant
22	202141007247	SINGLE DEBIT CUM CREDIT CARD FOR MAKING MONEY TRANSACTIONS	21-02-2021	Published	2021	Co-Applicant
23	202141006788	A NOVEL METHOD TO DETECT ADVERSARIES USING MSOM ALGORITHM'S LONGITUDINAL CONJECTURE MODEL IN SCADA NETWORK	16-02-2021	Published	2021	Co-Applicant
24	202141004191	DEVELOPMENT OF ARTIFICIAL INTELLIGENCE BASED TRAFFIC MANAGEMENT SYSTEM FOR EMERGENCY VEHICLES	31-01-2021	Published	2021	Applicant
25	202141001394	VLSI BASED IMPLEMENTATION OF ROBOTIC ARM CONTROL WITH LEAP MOTION	12-01-2021	Published	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
26	202141001081	IOT BASED AUTONOMOUS FLOOR DISINFECTING SMART UV ROBOTIC SYSTEM	09-01-2021	Published	2020	Co-Applicant
27	202041056820	A SYSTEM AND QUERY BASED MINING METHOD ON PUBLIC OPEN DATA REPOSITORY FOR KNOWLEDGE EXTRACTION	29-12-2020	Published	2020	Applicant
28	202041056657	SMART AND EFFICIENT MICROWAVE OVEN EMBEDDED WITH SYSTEMS TO COMMUNICATION OVER CLOUD	28-12-2020	Published	2020	Co-Applicant
29	2020101987	DIMA-Dataset Discovery: DATASET DISCOVERY IN DATA INVESTIGATIVE USING MACHINE LEARNING AND AI-BASED PROGRAMMING	26-08-2020	Published	2021	Co-Applicant
30	202041034753	A UTILITY BASED ON SPEECH ENABLE INTERACTIVE VOICE RESPONSE (SEIVR) FOR PROVIDING ONLINE MARKET PLACE FOR FARMERS FOR SELLING OF FARM PRODUCE	13-08-2020	Published	2020	Applicant
31	202041031947 A	AIR Quality Monitoring Device using Internet of Things (IOT)	26-07-2020	Published	2020	Co-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
32	202041009625	Apparatus for performing operations in a farm	06-03-2020	Published	2020	Applicant
33	202041030779	Human activity prediction using AI-based machine learning Programming	16-07-2020	Published	2020	Applicant
34	202041009022	Health related crisis ready plan through wireless sensor network and the cloud computing at populated spots	03-03-2020	Published	2020	Applicant
35	202041044247	ACOUSTIC ECHO CANCELLATION ALGORITHM FOR CHANNEL ESTIMATION IN FULLY SCHEDULED PRECODER BASED POMA STRUCTURED LTE NETWORK	11-10-2020	Published	2021	Applicant
36	202041017082 A	Automatic voltage Level UP/ Level DOWN shifter for VLSI circuits	21-04-2020	Published	2020	Co-Applicant
37	202041022652 A	A Robotic Device for cleaning of beaches enabled byWireless Control	29-05-2020	Published	2020	Applicant
38	202041050552	Investigation of Iot Based Life Care Autonomous System	20-11-2020	Published	2020	Applicant
39	202041044774	VLSI Based EEG Signal Processing For Smart Patient Monitoring System	14-10-2020	Published	2020	Co-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
40	202041000393	METHOD AND SYTEM AND DEVICE FOR ESTIMATING THE POWER REQUIREMENTS OF VARIOUS CIRCUITS AND APPROACHES FOR LOWERING OF POWER CONSUMPTION FOR GIVEN CIRCUIT	04-01-2020	Published	2020	Applicant
41	202041030474	ASPT- IDENTIFYING PAPER CURRENCY: AUTOMATIC IDENTIFYING PAPER CURRENCY, STOCKS, STAMPS USING IMAGE PROCESSING TECHNOLOGY	07-07-2020	Published	2020	Applicant
42	202041045375	An Interactive system and method for effective communication in hospitals for patients and hospital support staff	19-10-2020	Published	2020	Applicant
43	202041022652 A	A Robotic Device for Cleaning of Beaches enabled by Wireless Control	29-05-2020	Published	2020	Co-Applicant
44	202041017470	Doorbell using Piezo Electric Energy Harvesting Unit as a Doormat	23-04-2020	Published	2020	Co-Applicant
45	201941004416	IOT-Traffic System: IOT based Intelligent Traffic, Transport Management System	02-04-2019	Published	2019	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
46	201921000271	Cloud Parking Management System and Vehicle Anti-Theft Method	01-03-2019	Published	2019	Applicant
47	201941033143	Attendance-intelligent attendance excel sheet generate through mobile location, advanced-ATM-card location on defined area	16-08-2019	Published	2019	Co-Applicant
48	201941023815	IDV screen: interacting with digital screens using all type of voice system	16-08-2019	Published	2019	Co-Applicant
49	201941025201	DESIGN, DEVELOPMENT ON SOLAR ADSORPTION DESALINATION & COOLING SYSTEM"	25-05-2019	Published	2019	Co-Applicant
50	201821015636	Add pendrive wifi: add more than two pen drives with WIFI	25-04-2018	Published	2019	Co-Applicant
51	201821015641	I-chair: intelligent office chair	25-04-2018	Published	2019	Co-Applicant
52	201941024871	AN INTEGRATED COOLING SYSTEM WITH CEILING FAN AND AN AIR CONDITIONING EQUIPMENT CONTAINED THEREIN TO ACHIEVE OPTIMAL COOLING AND COMFORT FACTOR	23-06-2019	Published	2019	Co-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
53	201941050551	PDCML- SOFTWARE DEVELOPMENT: USING MACHINE LEARNING TO PREDICT BEHAVIOR, COST AND DURATION IN SOFTWARE DEVELOPMENT BASED ON GLOBAL CONDITIONS.	07-12-2019	Published	2019	Applicant
54	201941052812	TECHNOLOGY DRIVEN-REAL TIME AIR POLLUTION MONITORING	19-12-2019	Published	2019	Applicant
55	201941020883	PATIENT MONITORING SYSTEM BASED ON EEG SIGNAL ACQUISITIONMOBILE COMPUTING DEVICE	27-05-2019	Published	2019	Applicant
56	201841042342	AUTOMATED INTRAVENOUS FLUIDS (IV FLUIDS) DISPENSING SYSTEM FOR PATIENTS FOR ENHANCED HEALTH CARE	10-11-2018	Published	2019	Applicant
57	2021102483	Damper Control for Structural Vibrational Compensation Adopting Principles of Machine Learning	16-06-2021	Granted	2021	Applicant
58	2021101737	IoT and Machine Learning-based Headlight Intensity Changing device for Electrical Vehicles	09-06-2021	Granted	2021	Co-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
59	2021101956	IoT and Machine Learning based Power Generation from Sewage Water	16-06-2021	Granted	2021	Co-Applicant
60	2021102001	AI and IoT enabled Smart Medicine Box	09-06-2021	Granted	2021	Co-Applicant
61	2021102330	SOLAR PARK MONITORING AND FAULT DETECTION SYSTEM USING IOT AND MACHINE LEARNING	09-06-2021	Granted	2021	Co-Applicant
62	2021106229	SMART RIGID PAVEMENT	19-01-2022	Granted	2022	Co-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
1	Car Driving Alerting Device	IP/Patented Technology	Dr. T. Ch Siva reddy	Industry	Mr. Bhanu Prakash
2	Aquart-smart water conservation and budgeting solution	IP/Patented Technology	D. T. Ch Sivareddy	Industry	Mr. Bhanu Prakash Varla
3	A system and method for speech detection	IP/Patented Technology	Dr. T Ch Sivareddy	Industry	Mr. Abhigyanam giri
4	Apparatus for performing operations in a farm	IP/Patented Technology	Dr. T. Ch Sivareddy	Industry	Mr. Abhigyanam giri
5	Automated Intravenous Fluids(IV fluids) dispensing system for patients for enhancing health care	IP/Patented Technology	Dr T Ch Sivareddy	Industry	Mr. Abhigyanam

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
6	The patient monitoring system based on EEG signal acquisition, mobile computing device	IP/Patented Technology	Dr Tch Sivareddy	Industry	Mr. Abhigyanam

Declaration

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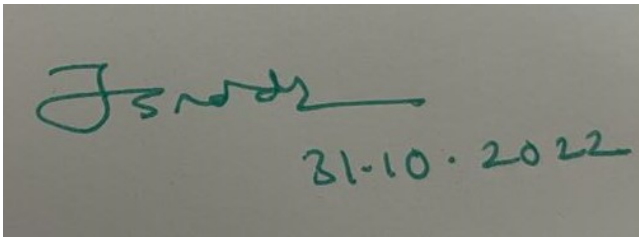The ARIIA Committee
MHRD's Innovation Cell
New Delhi

Joint Declaration by the Head of the Institute and Nodal Officer

Dear Sir,

Herewith, myself **Dr. T. Ch. Siva Reddy** (Head of Institute) and **Dr. shruti Bhargava Choubey** (Nodal Officer) jointly declaring on behalf of our institute is that all the information submitted are true and correct to best of our knowledge.
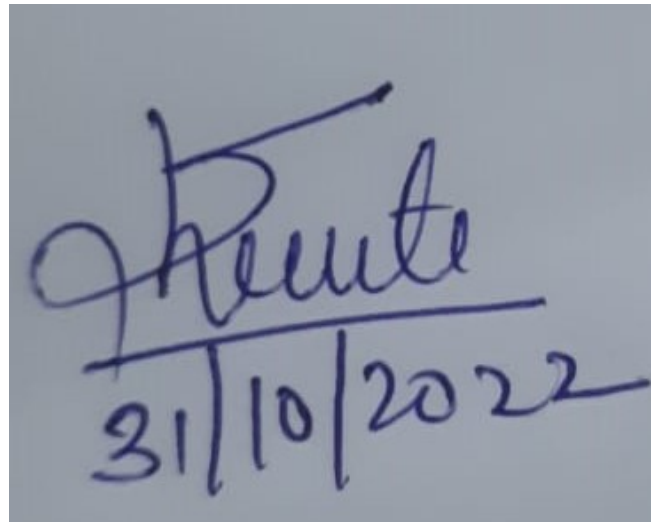
Thank you

<div style="display:flex; justify-content:space-between;">

The Head of Institute

Nodal officer

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Dr. T. Ch. Siva Reddy,
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