

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

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

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

**Contact:**

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

Annual Performances of IIC Institute	Stars Secured
IIC 1.0 (2018-19)	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. K. VIJAYA KUMAR
Designation:	Head, CSE
Email ID:	hodcse@cmrcet.org
Mobile No.	9248727202

## 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. R ANAND	Advance	0
2	Dr. Suresh Merugu	Advance	4
3	Dr P Alekhya	Advance	2

Sr. No.	Name of the Faculty IA	Level of Training	No of I&E Expert Talks/Sessions Conducted
4	Dr P Alekhya	Advance	0
5	Dr. R. Bhargav Ram	Basic	0
6	Dr P Alekhya	Advance	0
7	Dr P Alekhya	Advance	0
8	Dr P Alekhya	Advance	0
9	DR. MANIR AHMED	Advance	0
10	Mr. Mohammad Sirajuddin	Advance	2
11	Dr. Mohd Dilshad Ansari	Basic	0
12	Abdul Subhani Shaik	Advance	1
13	MR. D. S. Sanjeev	Basic	0
14	Mr. B Venkateshwar Rao	Advance	0
15	Dr. P Vijaya Lakshmi	Basic	0
16	Dr. Musini Venkateshwarlu	Basic	0
17	DR. BANTUPALLI PREMALATHA	Advance	1
18	G SHYAM KISHORE	Advance	0
19	Dr.M.Vijayasanthi	Basic	0
20	Muthu Krishnan	Basic	0
21	Ansar Isak Sheikh	Basic	0
22	Damalla Jyothi	Basic	0

Sr. No.	Name of the Faculty IA	Level of Training	No of I&E Expert Talks/Sessions Conducted
23	Akula Harish	Basic	0
24	B.Balakrishna	Basic	0
25	Dr. D .NEELIMA PATNAIK	Advance	0
26	P V RAJYA LAKSHMI	Advance	2

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

HEI Registered in the KAPILA Portal	C-19735	Yes
HEI Participated in the Smart India Hackathon (2022)	C-19735	Yes

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

## 2.1) Academic Courses in Innovation, Entrepreneurship and IPR

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Course Start Date	Course End Date	Total Duration of the Course (in Days)	Total Numbers of Contact Hours of the Course	Me De
1	ENTREPRENEURSHIP	C30117	2020-21	Elective Course	Bachelor	MBA		09-12-2020 00:00:00	04-04-2021 00:00:00	117	68	Of
2	ENTREPRENEURSHIP	C30117	2020-21	Elective Course	Bachelor	ECE		09-12-2020 00:00:00	04-04-2021 00:00:00	117	68	Of
3	ENTREPRENEURSHIP	C30117	2020-21	Elective Course	Bachelor	Civil		09-12-2020 00:00:00	04-04-2021 00:00:00	117	68	Of
4	ENTREPRENEURSHIP	C30117	2020-21	Elective Course	Bachelor	EEE		09-12-2020 00:00:00	04-04-2021 00:00:00	117	68	Of
5	ENTREPRENEURSHIP	C30117	2020-21	Elective Course	Bachelor	Mechanical		09-12-2020 00:00:00	04-04-2021 00:00:00	117	68	Of
6	ENTREPRENEURSHIP	C30117	2020-21	Elective Course	Bachelor	IT		09-12-2020 00:00:00	04-04-2021 00:00:00	117	68	Of
7	ENTREPRENEURSHIP	C30117	2020-21	Elective Course	Bachelor	CSE		09-12-2020 00:00:00	04-04-2021 00:00:00	117	68	Of

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Course Start Date	Course End Date	Total Duration of the Course (in Days)	Total Numbers of Contact Hours of the Course	Me De
8	ENTREPRENEURSHIP	C30117	2020-21	Elective Course	Bachelor	CSE AI and ML		09-12-2020 00:00:00	04-04-2021 00:00:00	117	68	Of
9	ENTREPRENEURSHIP	C30117	2020-21	Elective Course	Bachelor	CSE Cyber Security		09-12-2020 00:00:00	04-04-2021 00:00:00	117	68	Of
10	ENTREPRENEURSHIP	C30117	2020-21	Elective Course	Bachelor	CSE Data Science		09-12-2020 00:00:00	04-04-2021 00:00:00	117	68	Of
11	Research Methodology and IPR	B30212	2020-21	Elective Course	Master	MBA		02-09-2020 00:00:00	31-12-2020 00:00:00	121	60	Of
12	Research Methodology and IPR	B30212	2021-22	Elective Course	Master	M Tech SE		02-09-2020 00:00:00	31-12-2020 00:00:00	121	60	Of
13	Research Methodology and IPR	B30212	2020-21	Elective Course	Master	M Tech PE		02-09-2020 00:00:00	31-12-2020 00:00:00	121	60	Of
14	Research Methodology and IPR	B30212	2020-21	Elective Course	Master	M Tech ES		02-09-2020 00:00:00	31-12-2020 00:00:00	121	60	Of

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Course Start Date	Course End Date	Total Duration of the Course (in Days)	Total Numbers of Contact Hours of the Course	Me De
15	Research Methodology and IPR	B30212	2020-21	Elective Course	Master	M Tech CSE		02-09-2020 00:00:00	31-12-2020 00:00:00	121	60	Of
16	Research Methodology and IPR	B30212	2020-21	Elective Course	Master	M Tech CS		02-09-2020 00:00:00	31-12-2020 00:00:00	121	60	Of
17	Research Methodology and IPR	B30212	2020-21	Elective Course	PhD	CSE		01-07-2020 00:00:00	09-11-2020 00:00:00	132	54	Of
18	Research Methodology and IPR	B30212	2020-21	Elective Course	PhD	ECE		01-07-2020 00:00:00	09-11-2020 00:00:00	132	54	Of
19	Research Methodology and IPR	B30212	2020-21	Elective Course	PhD	EEE		01-07-2020 00:00:00	09-11-2020 00:00:00	132	54	Of
20	Research Methodology and IPR	B30212	2020-21	Elective Course	PhD	MBA		01-07-2020 00:00:00	09-11-2020 00:00:00	132	54	Of
21	Engineering Exploration and Practic	A30019	2020-21	Elective Course	Bachelor	CEER		19-08-2020 00:00:00	17-12-2020 00:00:00	121	63	Of

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Course Start Date	Course End Date	Total Duration of the Course (in Days)	Total Numbers of Contact Hours of the Course	Me De
22	Introduction to Social Innovation	A30020	2020-21	Elective Course	Bachelor	CEER		09-01-2021 00:00:00	30-04-2021 00:00:00	112	70	Of
23	Social Innovation in Practice	A30021	2020-21	Core Course	Bachelor	CEER		01-07-2020 00:00:00	09-11-2020 00:00:00	132	68	Of
24	Social Innovation in Practice	A30021	2020-21	Core Course	Bachelor	Civil		01-07-2020 00:00:00	09-11-2020 00:00:00	132	68	Of
25	Social Innovation in Practice	A30021	2020-21	Core Course	Bachelor	EEE		01-07-2020 00:00:00	09-11-2020 00:00:00	132	68	Of
26	Social Innovation in Practice	A30021	2020-21	Core Course	Bachelor	Mechanical		01-07-2020 00:00:00	09-11-2020 00:00:00	132	68	Of
27	Social Innovation in Practice	A30021	2020-21	Core Course	Bachelor	ECE		01-07-2020 00:00:00	09-11-2020 00:00:00	132	68	Of
28	Social Innovation in Practice	A30021	2020-21	Core Course	Bachelor	IT		01-07-2020 00:00:00	09-11-2020 00:00:00	132	68	Of



Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Course Start Date	Course End Date	Total Duration of the Course (in Days)	Total Numbers of Contact Hours of the Course	Me De
29	Social Innovation in Practice	A30021	2020-21	Core Course	Bachelor	CSE		01-07-2020 00:00:00	09-11-2020 00:00:00	132	68	Of
30	Social Innovation in Practice	A30021	2020-21	Core Course	Bachelor	CSE AI and ML		01-07-2020 00:00:00	09-11-2020 00:00:00	132	68	Of
31	Social Innovation in Practice	A30021	2020-21	Core Course	Bachelor	CSE Cyber Security		01-07-2020 00:00:00	09-11-2020 00:00:00	132	68	Of
32	Social Innovation in Practice	A30021	2020-21	Core Course	Bachelor	CSE Data Science		01-07-2020 00:00:00	09-11-2020 00:00:00	132	68	Of
33	Business Management and Financial Analysis	A30013	2020-21	Core Course	Master	MBA		20-05-2021 00:00:00	15-09-2021 00:00:00	119	70	Of
34	Business Management and Financial Analysis	A30013	2020-21	Core Course	Master	M Tech SE		20-05-2021 00:00:00	15-09-2021 00:00:00	119	70	Of
35	Business Management and Financial Analysis	A30013	2020-21	Core Course	Master	M Tech PE		20-05-2021 00:00:00	15-09-2021 00:00:00	119	70	Of

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Course Start Date	Course End Date	Total Duration of the Course (in Days)	Total Numbers of Contact Hours of the Course	Me De
36	Business Management and Financial Analysis	A30013	2020-21	Core Course	Master	M Tech ES		20-05-2021 00:00:00	15-09-2021 00:00:00	119	70	Of
37	Business Management and Financial Analysis	A30013	2020-21	Core Course	Master	M Tech CSE		20-05-2021 00:00:00	15-09-2021 00:00:00	119	70	Of
38	Business Management and Financial Analysis	A30013	2020-21	Core Course	Master	M Tech CS		20-05-2021 00:00:00	15-09-2021 00:00:00	119	70	Of
39	Marketing Management	C30115	2020-21	Core Course	PhD	CSE		15-06-2021 00:00:00	23-10-2021 00:00:00	131	66	Of
40	Marketing Management	C30115	2020-21	Core Course	PhD	ECE		15-06-2021 00:00:00	23-10-2021 00:00:00	131	66	Of
41	Marketing Management	C30115	2020-21	Core Course	PhD	EEE		15-06-2021 00:00:00	23-10-2021 00:00:00	131	66	Of
42	Marketing Management	C30115	2020-21	Core Course	PhD	MBA		15-06-2021 00:00:00	23-10-2021 00:00:00	131	66	Of

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Course Start Date	Course End Date	Total Duration of the Course (in Days)	Total Numbers of Contact Hours of the Course	Me De
43	ENTREPRENEURSHIP	C30117	2021-22	Core Course	Bachelor	MBA	2	09-12-2021 00:00:00	09-03-2022 00:00:00	91	218	Of
44	ENTREPRENEURSHIP	C30117	2021-22	Elective Course	,Bachelor	CSE AI and ML	3	09-12-2021 00:00:00	09-03-2022 00:00:00	91	218	Of
45	ENTREPRENEURSHIP	C30117	2021-22	Elective Course	,Bachelor	CSE	4	09-12-2021 00:00:00	09-03-2022 00:00:00	91	218	Of
46	ENTREPRENEURSHIP	C30117	2021-22	Core Course	,Bachelor	CSE Data Science	3	09-12-2021 00:00:00	09-03-2022 00:00:00	91	218	Of
47	Research Methodology and IPR	B30212	2021-22	Elective Course	,Master	MBA	2	05-10-2021 00:00:00	31-12-2021 00:00:00	88	318	Of
48	Research Methodology and IPR	B30212	2021-22	Elective Course	,Master	M Tech SE	1	05-10-2021 00:00:00	31-12-2021 00:00:00	88	317	Of
49	Research Methodology and IPR	B30212	2021-22	Elective Course	,Master	M Tech PE	2	05-10-2021 00:00:00	31-12-2021 00:00:00	88	317	Of

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Course Start Date	Course End Date	Total Duration of the Course (in Days)	Total Numbers of Contact Hours of the Course	Me De
50	Research Methodology and IPR	B30212	2021-22	Elective Course	,Master	M Tech ES	1	05-10-2021 00:00:00	31-12-2021 00:00:00	88	317	Of
51	Research Methodology and IPR	B30212	2021-22	Elective Course	,Master	M Tech CSE	2	05-10-2021 00:00:00	31-12-2021 00:00:00	88	317	Of
52	Engineering Exploration and Practice	A30019	2021-22	Elective Course	,Bachelor	CEER	1	20-09-2021 00:00:00	04-01-2022 00:00:00	107	429	Of
53	Introduction to Social Innovation	A30020	2021-22	Elective Course	,Bachelor	MBA	1	05-01-2022 00:00:00	13-04-2022 00:00:00	99	350	Of
54	Business Management and Financial Analysis	A30013	2021-22	Core Course	Master	MBA	1	15-02-2022 00:00:00	01-05-2022 00:00:00	76	214	Of
55	Marketing Management	C30115	2021-22	Core Course	PhD	MBA	1	11-11-2021 00:00:00	16-02-2022 00:00:00	98	254	Of
56	Social Innovation in Practice	A30021	2021-22	Core Course	Bachelor	MBA	2	10-07-2021 00:00:00	17-11-2021 00:00:00	131	415	Of

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Course Start Date	Course End Date	Total Duration of the Course (in Days)	Total Numbers of Contact Hours of the Course	Me De
57	Social Innovation in Practice	A30021	2021-22	Core Course	Bachelor	CSE AI and ML	2	10-07-2021 00:00:00	17-11-2021 00:00:00	131	417	Of
58	Social Innovation in Practice	A30021	2021-22	Core Course	Bachelor	IT	2	10-07-2021 00:00:00	17-11-2021 00:00:00	131	417	Of
59	Business Management and Financial Analysis	A30013	2021-22	Core Course	Bachelor	M Tech CS	1	15-02-2022 00:00:00	01-05-2022 00:00:00	76	217	Of
60	Marketing Management	C30115	2021-22	Core Course	PhD	EEE	2	11-11-2021 00:00:00	16-02-2022 00:00:00	98	254	Of
61	Marketing Management	C30115	2021-22	Core Course	PhD	CSE	1	11-11-2021 00:00:00	16-02-2022 00:00:00	98	254	Of
62	Marketing Management	C30115	2021-22	Core Course	PhD	ECE	2	11-11-2021 00:00:00	16-02-2022 00:00:00	98	254	Of

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

Srno	Title of Course	Academic Year	Type of Certificate Program	Certificate Program/MDP/FDP/EDP Sponsored/Supported by	Certificate Program Offering Department/ Centre/ Unit Name	Program Start Date	Program End Date	Total Duration of the Course (in Days)	Total Numl of Cont: Hour: the Cour:
1	Session on India Startup Day	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	R and D	16-12-2020 00:00:00	21-12-2020 00:00:00	6	36
2	Workshop on Entrepreneurship and Innovation as Career Opportunity	2020-21	Entrepreneurship Development Program (EDP)	Self Sponsored/Supported	R and D	15-02-2021 00:00:00	27-02-2021 00:00:00	13	30
3	Workshop on Significance of Research and Innovation in Educational Institutions	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	CIE	02-12-2020 00:00:00	06-12-2020 00:00:00	5	35
4	My Story - Motivational Session by Successful Innovators	2020-21	Entrepreneurship Development Program (EDP)	Self Sponsored/Supported	CSE	16-12-2020 00:00:00	20-12-2020 00:00:00	5	35

Srno	Title of Course	Academic Year	Type of Certificate Program	Certificate Program/MDP/FDP/EDP Sponsored/Supported by	Certificate Program Offering Department/ Centre/ Unit Name	Program Start Date	Program End Date	Total Duration of the Course (in Days)	Total Numl of Cont: Hour: the Cour:
5	My Story - Motivational Session by Successful Entrepreneur Startup founder	2020-21	Entrepreneurship Development Program (EDP)	Self Sponsored/Supported	ECE	06-06-2020 00:00:00	11-06-2020 00:00:00	6	42
6	Session on Problem Solving and Ideation Workshop	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	EEE	14-07-2020 00:00:00	19-07-2020 00:00:00	6	42
7	National Innovation Day	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	CEER	16-01-2021 00:00:00	21-01-2021 00:00:00	6	35
8	ATAL Innovation Mission	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	CEER	20-02-2021 00:00:00	03-03-2021 00:00:00	12	72
9	Design Thinking and Innovation	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	CEER	27-04-2021 00:00:00	15-05-2021 00:00:00	19	114
10	Exposure and field visit for problem identification	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	CEER	04-05-2021 00:00:00	15-05-2021 00:00:00	12	65

Srno	Title of Course	Academic Year	Type of Certificate Program	Certificate Program/MDP/FDP/EDP Sponsored/Supported by	Certificate Program Offering Department/ Centre/ Unit Name	Program Start Date	Program End Date	Total Duration of the Course (in Days)	Total Numl of Cont: Hour: the Cour:
11	Pitching Event for Ideas Scouted and linkage with Innovation Ambassadors for mentorship support	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	CSE	18-05-2021 00:00:00	31-05-2021 00:00:00	14	65
12	National Education Day	2020-21	Management Development Program (MDP)	Self Sponsored/Supported	EEE	18-05-2021 00:00:00	29-05-2021 00:00:00	12	65
13	Ideathon-1	2020-21	Short-term Certificate Program	Self Sponsored/Supported	ECE	01-06-2021 00:00:00	12-06-2021 00:00:00	12	65
14	E-National Level Awareness Programme on Entrepreneurship	2020-21	Entrepreneurship Development Program (EDP)	Self Sponsored/Supported	ECE	01-06-2021 00:00:00	14-06-2021 00:00:00	14	85
15	Entrepreneurship as career opportunity	2020-21	Entrepreneurship Development Program (EDP)	Self Sponsored/Supported	Civil	15-06-2021 00:00:00	21-06-2021 00:00:00	7	85
16	Success story of Local successful Entrepreneur	2020-21	Entrepreneurship Development Program (EDP)	Self Sponsored/Supported	Civil	18-05-2021 00:00:00	31-05-2021 00:00:00	14	52



Srno	Title of Course	Academic Year	Type of Certificate Program	Certificate Program/MDP/FDP/EDP Sponsored/Supported by	Certificate Program Offering Department/ Centre/ Unit Name	Program Start Date	Program End Date	Total Duration of the Course (in Days)	Total Numl of Cont: Hour: the Cour:
17	Introduction to IPR and Patents	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	CSE	21-06-2021 00:00:00	25-06-2021 00:00:00	5	95
18	E-Symposium on Building Innovation Ecosystem in Educational Institutions	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	MBA	11-01-2022 00:00:00	15-01-2022 00:00:00	5	120
19	Developing Online Repository of Proof of Concepts (PoCs) Developed and Way forward plan	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	MBA	01-07-2021 00:00:00	06-07-2021 00:00:00	6	120
20	Bussiness plans for young entrepreneurs	2020-21	Entrepreneurship Development Program (EDP)	Self Sponsored/Supported	ECE	06-07-2021 00:00:00	10-07-2021 00:00:00	5	120
21	Realiability and Validity in Research Methodology	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	Civil	18-11-2021 00:00:00	24-11-2021 00:00:00	7	168
22	Funding Agencies and schemes	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	ECE	04-12-2021 00:00:00	09-12-2021 00:00:00	6	144

Srno	Title of Course	Academic Year	Type of Certificate Program	Certificate Program/MDP/FDP/EDP Sponsored/Supported by	Certificate Program Offering Department/ Centre/ Unit Name	Program Start Date	Program End Date	Total Duration of the Course (in Days)	Total Numl of Cont: Hour: the Cour:
23	National Pollution Control Day	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	CSE	02-12-2021 00:00:00	08-12-2021 00:00:00	7	168
24	National Energy Conservation Day(India)	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	EEE	14-12-2021 00:00:00	18-12-2021 00:00:00	5	120
25	E-Symposium on Building Innovation Ecosystem in Educational Institutions	2021-22	Entrepreneurship Development Program (EDP)	Self Sponsored/Supported	CEER	11-01-2022 00:00:00	15-01-2022 00:00:00	5	120
26	Orientation Session on IIC 4.0 and Features	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	MBA	24-01-2022 00:00:00	29-01-2022 00:00:00	6	168
27	Pitching Event for PoCs developed and linkage with Innovation Ambassadors for mentorship support	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	CSE	25-01-2022 00:00:00	31-01-2022 00:00:00	7	168
28	Social Entrepreneurship	2021-22	Entrepreneurship Development Program (EDP)	Self Sponsored/Supported	EEE	28-01-2022 00:00:00	02-02-2022 00:00:00	6	154

Srno	Title of Course	Academic Year	Type of Certificate Program	Certificate Program/MDP/FDP/EDP Sponsored/Supported by	Certificate Program Offering Department/ Centre/ Unit Name	Program Start Date	Program End Date	Total Duration of the Course (in Days)	Total Numl of Cont: Hour: the Cour:
29	A one day Workshop on How to Create Your Innovative Idea as Research paper	2021-22	Management Development Program (MDP)	Self Sponsored/Supported	ECE	01-02-2022 00:00:00	05-02-2022 00:00:00	5	150
30	Paper Writing and research Methodologies	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	MBA	02-02-2022 00:00:00	07-02-2022 00:00:00	6	144
31	Field Exposure Visit to Pre-incubation units such as Fab lab Makers Space Design Centers City MSME clusters workshops etc	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	H and S	03-02-2022 00:00:00	08-02-2022 00:00:00	6	144
32	Role of IPR in promoting entrepreneurship and innovation	2021-22	Entrepreneurship Development Program (EDP)	Self Sponsored/Supported	MBA	04-02-2022 00:00:00	10-02-2022 00:00:00	7	168
33	Workshop on Entrepreneurship Skill Attitude and Behavior Development	2021-22	Entrepreneurship Development Program (EDP)	Self Sponsored/Supported	CSE	04-02-2022 00:00:00	09-02-2022 00:00:00	6	144

Srno	Title of Course	Academic Year	Type of Certificate Program	Certificate Program/MDP/FDP/EDP Sponsored/Supported by	Certificate Program Offering Department/ Centre/ Unit Name	Program Start Date	Program End Date	Total Duration of the Course (in Days)	Total Numl of Cont: Hour: the Cour:
34	Expert talk on Process of Innovation Development and Technology Readiness Level TRL and Commerclation of Lab Technologies and Tech Transfer	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	CEER	05-02-2022 00:00:00	11-02-2022 00:00:00	7	168
35	Startup and Innovation for beginners	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	CEER	07-02-2022 00:00:00	12-02-2022 00:00:00	6	150
36	Work shop on Research Methodologies Project Proposal and Paper Writing	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	MBA	09-02-2022 00:00:00	14-02-2022 00:00:00	6	144
37	Workshop on Design Thinking Critical thinking and Innovation Design	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	ECE	10-02-2022 00:00:00	14-02-2022 00:00:00	5	120

Srno	Title of Course	Academic Year	Type of Certificate Program	Certificate Program/MDP/FDP/EDP Sponsored/Supported by	Certificate Program Offering Department/ Centre/ Unit Name	Program Start Date	Program End Date	Total Duration of the Course (in Days)	Total Numl of Cont: Hour: the Cour:
38	Research Methodologies towards Innovation	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	CEER	11-02-2022 00:00:00	16-02-2022 00:00:00	6	144
39	Patent registration procedure in India	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	Mech	12-02-2022 00:00:00	17-02-2022 00:00:00	6	144
40	Session on Achieving Problem-Solution Fit and Product-Market Fit	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	Mech	14-02-2022 00:00:00	19-02-2022 00:00:00	6	168
41	Importance of IPR in Research and Entrepreneurship	2021-22	Entrepreneurship Development Program (EDP)	Self Sponsored/Supported	Mech	15-02-2022 00:00:00	19-02-2022 00:00:00	5	120
42	Career opportunity Innovation and Entrepreneurship	2021-22	Entrepreneurship Development Program (EDP)	Self Sponsored/Supported	Mech	18-02-2022 00:00:00	23-02-2022 00:00:00	6	144
43	National science Day	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	CSE	28-02-2022 00:00:00	05-03-2022 00:00:00	6	144
44	Ideation Day-1 for new Innovations and Ideas from the students	2021-22	Entrepreneurship Development Program (EDP)	Self Sponsored/Supported	EEE	07-03-2022 00:00:00	12-03-2022 00:00:00	6	144

Srno	Title of Course	Academic Year	Type of Certificate Program	Certificate Program/MDP/FDP/EDP Sponsored/Supported by	Certificate Program Offering Department/ Centre/ Unit Name	Program Start Date	Program End Date	Total Duration of the Course (in Days)	Total Numl of Cont: Hour: the Cour:
45	E-Symposium on Building Innovation Ecosystem in Educational Institutions	2021-22	Management Development Program (MDP)	Self Sponsored/Supported	CSE	12-01-2022 00:00:00	17-01-2022 00:00:00	6	144
46	Design and Critical Thinking	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	CSE	15-03-2022 00:00:00	19-03-2022 00:00:00	5	120
47	Smart India Hackathon 2022	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	CIE	24-03-2022 00:00:00	29-03-2022 00:00:00	6	144
48	BRAIN RAIN-2K22	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	Mech	26-03-2022 00:00:00	31-03-2022 00:00:00	6	144
49	Expert Talk on Research Paper Writing	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	EEE	18-04-2022 00:00:00	22-04-2022 00:00:00	5	120
50	World Earth Day	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	CSE	22-04-2022 00:00:00	27-04-2022 00:00:00	6	144
51	World Intellectual Property Day	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	ECE	26-04-2022 00:00:00	30-04-2022 00:00:00	5	120

Srno	Title of Course	Academic Year	Type of Certificate Program	Certificate Program/MDP/FDP/EDP Sponsored/Supported by	Certificate Program Offering Department/ Centre/ Unit Name	Program Start Date	Program End Date	Total Duration of the Course (in Days)	Total Numl of Cont: Hour: the Cour:
52	Prototype Developed and Linkage with Innovation Ambassadors for mentorship support	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	MBA	26-04-2022 00:00:00	30-04-2022 00:00:00	5	120
53	One day Workshop on Investment avenues and opportunities for Entrepreneurship	2021-22	Entrepreneurship Development Program (EDP)	Self Sponsored/Supported	ECE	02-05-2022 00:00:00	07-05-2022 00:00:00	6	144
54	One Day Workshop on different types of marks PTO and Indian IPR organization	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	Civil	03-05-2022 00:00:00	07-05-2022 00:00:00	5	120
55	Prototype Process Design and Development - Prototyping	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	CEER	04-05-2022 00:00:00	09-05-2022 00:00:00	6	144

Srno	Title of Course	Academic Year	Type of Certificate Program	Certificate Program/MDP/FDP/EDP Sponsored/Supported by	Certificate Program Offering Department/ Centre/ Unit Name	Program Start Date	Program End Date	Total Duration of the Course (in Days)	Total Numl of Cont: Hour: the Cour:
56	Expert Talk on Intellectual Property Rights and IP Management for startup	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	EEE	05-05-2022 00:00:00	10-05-2022 00:00:00	6	144
57	Expert Talk on Financial Challenges for an investor and Entrepreneur	2021-22	Entrepreneurship Development Program (EDP)	Self Sponsored/Supported	ECE	05-05-2022 00:00:00	11-05-2022 00:00:00	7	150
58	A one day Workshop on Protection and Promotion of Intellectual property in India	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	EEE	06-05-2022 00:00:00	10-05-2022 00:00:00	5	120
59	A one day Workshop on Creative and Innovative methods for research and paper writing	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	CSE	06-05-2022 00:00:00	11-05-2022 00:00:00	6	144



Srno	Title of Course	Academic Year	Type of Certificate Program	Certificate Program/MDP/FDP/EDP Sponsored/Supported by	Certificate Program Offering Department/ Centre/ Unit Name	Program Start Date	Program End Date	Total Duration of the Course (in Days)	Total Numl of Cont: Hour: the Cour:
60	one day Workshop on IPR and Patent Drafting	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	CSE	07-05-2022 00:00:00	11-05-2022 00:00:00	5	120
61	A one day Workshop on The Art of Critical Thinking	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	CSE	07-05-2022 00:00:00	12-05-2022 00:00:00	6	144
62	Journey of Entrepreneur and Small Business Model	2021-22	Entrepreneurship Development Program (EDP)	Self Sponsored/Supported	CSE	09-05-2022 00:00:00	14-05-2022 00:00:00	6	144
63	One Day workshop on English for Entrepreneurs	2021-22	Entrepreneurship Development Program (EDP)	Self Sponsored/Supported	H and S	09-05-2022 00:00:00	16-05-2022 00:00:00	8	192
64	A one day Workshop on Business Model Canvas	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	MBA	10-05-2022 00:00:00	16-05-2022 00:00:00	7	168
65	A one day Workshop on Webinar on Indian patent and International patent	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	IT	10-05-2022 00:00:00	16-05-2022 00:00:00	7	168

Srno	Title of Course	Academic Year	Type of Certificate Program	Certificate Program/MDP/FDP/EDP Sponsored/Supported by	Certificate Program Offering Department/ Centre/ Unit Name	Program Start Date	Program End Date	Total Duration of the Course (in Days)	Total Numl of Cont: Hour: the Cour:
66	National Technology Day	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	CEER	11-05-2022 00:00:00	16-05-2022 00:00:00	6	144
67	Field Visit to Technology Transfer Center - 2022	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	CSE	11-05-2022 00:00:00	18-05-2022 00:00:00	8	192
68	Entrepreneurship and Small Business Model	2021-22	Entrepreneurship Development Program (EDP)	Self Sponsored/Supported	EEE	11-05-2022 00:00:00	16-05-2022 00:00:00	6	144
69	Expert talk on Techniques of interpretation describing qualitative and quantitative research methods	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	ECE	12-05-2022 00:00:00	18-05-2022 00:00:00	7	168
70	A one day Workshop on How to plan for Start-up and legal and Ethical Steps	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	CSE	13-05-2022 00:00:00	19-05-2022 00:00:00	7	168

Srno	Title of Course	Academic Year	Type of Certificate Program	Certificate Program/MDP/FDP/EDP Sponsored/Supported by	Certificate Program Offering Department/ Centre/ Unit Name	Program Start Date	Program End Date	Total Duration of the Course (in Days)	Total Numl of Cont: Hour: the Cour:
71	World Environment Day	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	H and S	04-06-2022 00:00:00	09-06-2022 00:00:00	6	144
72	Out of the Box Thinking for Problem Solving	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	IIC	28-06-2022 00:00:00	04-07-2022 00:00:00	7	168
73	Session on Innovation Prototype Validation Converting Innovation into a Start-up or Session on Achieving Value Proposition Fit and Business Fit	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	CIE	19-07-2022 00:00:00	23-07-2022 00:00:00	5	120
74	Webinar on Awareness Programme on Intellectual Property Rights IPR	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	CSE	20-06-2022 00:00:00	27-06-2022 00:00:00	8	192

Srno	Title of Course	Academic Year	Type of Certificate Program	Certificate Program/MDP/FDP/EDP Sponsored/Supported by	Certificate Program Offering Department/ Centre/ Unit Name	Program Start Date	Program End Date	Total Duration of the Course (in Days)	Total Numl of Cont: Hour: the Cour:
75	Demo Day of Start Up developed and linkage with Innovation Ambassadors for	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	CIE	23-07-2022 00:00:00	30-07-2022 00:00:00	8	192
76	Women Entrepreneurs	2021-22	Entrepreneurship Development Program (EDP)	Self Sponsored/Supported	CSE Cyber Security	23-07-2022 00:00:00	27-07-2022 00:00:00	5	120
77	Entrepreneurship Awareness Camp	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	MBA	25-07-2022 00:00:00	31-07-2022 00:00:00	7	168
78	Designing of prototype models for Innovation	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	CEER	26-07-2022 00:00:00	31-07-2022 00:00:00	6	144
79	Session on Angel Investment VC Funding Opportunity for Early Stage Entrepreneurs	2021-22	Entrepreneurship Development Program (EDP)	Self Sponsored/Supported	ECE	27-07-2022 00:00:00	31-07-2022 00:00:00	5	120
80	A Workshop on IPR and STANDARDIZATION	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	IT	28-07-2022 00:00:00	02-08-2022 00:00:00	6	144

Srno	Title of Course	Academic Year	Type of Certificate Program	Certificate Program/MDP/FDP/EDP Sponsored/Supported by	Certificate Program Offering Department/ Centre/ Unit Name	Program Start Date	Program End Date	Total Duration of the Course (in Days)	Total Numl of Cont: Hour: the Cour:
81	A Workshop on Innovations in Electrical and Electronics Engineering	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	EEE	28-07-2022 00:00:00	03-08-2022 00:00:00	7	168
82	A Workshop on How to Become Successful Innovator and Entrepreneur	2021-22	Entrepreneurship Development Program (EDP)	Self Sponsored/Supported	EEE	29-07-2022 00:00:00	08-08-2022 00:00:00	11	264
83	BOOT Camp on Innovations	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	ECE	29-07-2022 00:00:00	03-08-2022 00:00:00	6	144
84	Leadership talk on problem solving for entrepreneurs	2021-22	Entrepreneurship Development Program (EDP)	Self Sponsored/Supported	CE	30-07-2022 00:00:00	03-08-2022 00:00:00	5	120
85	A Workshop on Entrepreneurship development program	2021-22	Entrepreneurship Development Program (EDP)	Self Sponsored/Supported	IT	30-07-2022 00:00:00	04-08-2022 00:00:00	6	144
86	Building in House Human Resource Capacity to Generate I and E	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	CE	30-07-2022 00:00:00	06-08-2022 00:00:00	8	192

Srno	Title of Course	Academic Year	Type of Certificate Program	Certificate Program/MDP/FDP/EDP Sponsored/Supported by	Certificate Program Offering Department/ Centre/ Unit Name	Program Start Date	Program End Date	Total Duration of the Course (in Days)	Total Numl of Cont: Hour: the Cour:
87	Innovations in Electronic Industry	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	ECE	30-07-2022 00:00:00	04-08-2022 00:00:00	6	144
88	Expert Talk on Acceleration Incubation- Opportunities for Students and Faculties- Early stage Entrepreneurs	2021-22	Entrepreneurship Development Program (EDP)	Self Sponsored/Supported	MECH	01-08-2022 00:00:00	06-08-2022 00:00:00	6	144
89	Session Panel discussion with innovation and Start-up Ecosystem Enablers from the region state national level	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	MBA	06-08-2022 00:00:00	10-08-2022 00:00:00	5	120
90	Expert Talk on Digital Entrepreneurship	2021-22	Entrepreneurship Development Program (EDP)	Self Sponsored/Supported	MECH	06-08-2022 00:00:00	10-08-2022 00:00:00	5	120
91	workshop on Soft Skills Development for Women Entrepreneurs	2021-22	Entrepreneurship Development Program (EDP)	Self Sponsored/Supported	H and S	10-08-2022 00:00:00	16-08-2022 00:00:00	7	168

Srno	Title of Course	Academic Year	Type of Certificate Program	Certificate Program/MDP/FDP/EDP Sponsored/Supported by	Certificate Program Offering Department/ Centre/ Unit Name	Program Start Date	Program End Date	Total Duration of the Course (in Days)	Total Numl of Cont: Hour: the Cour:
92	Participation of IIC Institutions in IIC Regional Meet	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	IIC	12-08-2022 00:00:00	18-08-2022 00:00:00	7	168
93	workshop on Entrepreneurship Traits	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	H and S	12-08-2022 00:00:00	16-08-2022 00:00:00	5	120
94	Lean Startup and amp Minimum Viable product Business Boot camp or Mentoring Session	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	CIE	17-08-2022 00:00:00	23-08-2022 00:00:00	7	168
95	THE WORLD ENTREPRENEURS DAY	2021-22	Entrepreneurship Development Program (EDP)	Self Sponsored/Supported	MBA	21-08-2022 00:00:00	25-08-2022 00:00:00	5	120
96	Developing Online Repository of Start ups Developed incubated and Way forward plan	2021-22	Entrepreneurship Development Program (EDP)	Self Sponsored/Supported	CIE	19-08-2022 00:00:00	23-08-2022 00:00:00	5	120

Srno	Title of Course	Academic Year	Type of Certificate Program	Certificate Program/MDP/FDP/EDP Sponsored/Supported by	Certificate Program Offering Department/ Centre/ Unit Name	Program Start Date	Program End Date	Total Duration of the Course (in Days)	Total Numl of Cont: Hour: the Cour:
97	Awareness program on Research Innovation Entrepreneurship design and critical thinking	2021-22	Entrepreneurship Development Program (EDP)	Self Sponsored/Supported	Centre for Innovation Entrepreneurship	25-08-2022 00:00:00	29-08-2022 00:00:00	5	120

### 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	Startup Cell	Startup Cell	Dr. M. Suresh	9100073692	cie@cmrcet.org	
2	Tinkering Lab	Tinkering Lab	Dr. A. Kotishwar	7416849349	hodceer@cmrcet.ac.in	



Sr. No.	Type of the Unit	Name of Unit	In-charge Name	Contact no	Email	Govt. Schemes
3	Innovation Cell	Innovation Cell	Dr. B. Premalatha	9100073692	cie@cmrcet.ac.in	Pre-Incubation Facility Support (Idea to Prototype and Innovative Business Plan Development)

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

Sr. No.	Name of Unit	In-charge Name	Contact no	Email	Govt. Schemes
1	Kodnov Software Solutions Pvt. Ltd.	Dr.K.Vijay Kumar	9248727202	hodcse@cmrcet.ac.in	Own Resource
2	Centre for Innovation and Entrepreneurship	Dr.B.Premalatha	9849051570	bpremalatha@cmrcet.org	MSME
3	Inventive Core Integrations Pvt. Ltd.	SK.Mohinuddin	7207457139	info@inventivecoreintegrations.com	Own 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. Schemes
1	IPR Cell	CIE	Dr. Merugu Suresh	9848276627	msuresh@cmrcet.org	Mentoring Support,Seed Grant Support,Pre-Incubation Facility Support (Idea to Prototype and Innovative Business Plan Development)
2	IPR Cell	IPR/PATENT FILING CENTER	Dr. Merugu Suresh	9848276627	msuresh@cmrcet.org	Mentoring Support,Seed Grant Support,Pre-Incubation Facility Support (Idea to Prototype and Innovative Business Plan Development),Incubation Facility Support (Innovative Business Model to Startup and Market Linkage & Growth Stage)

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

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

Sr. No.	Innovation Name	Developed as part of	FY of Development (FY. 2020-21,2021-22)	TRL Stage	Team Lead/Innovator Name	Current Engagement of Team Lead in Institute	Contact No	Email
1	Coin sorter and counter	Academic Requirement/Study Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	L L N V S R K SAI SURYA	Student		Surya.sai
2	WATER PURIFIER WITH AUTOMATIC WATER SYSTEM	Academic Requirement/Study Project	2021-22	TRL 6 : Prototype system tested in intended environment close to expected performance	Bandi sathwik	Student		20h51a0

Sr. No.	Innovation Name	Developed as part of	FY of Development (FY. 2020-21,2021-22)	TRL Stage	Team Lead/Innovator Name	Current Engagement of Team Lead in Institute	Contact No	Email
3	PORTABLE FLUID COOLING DEVICE	Academic Requirement/Study Project	2021-22	TRL 6 : Prototype system tested in intended environment close to expected performance	SAI KRISHNA KOLIPAKA	Student		saikrishn.
4	UV DISINFECTION BOX FOR CLOTHES	Academic Requirement/Study Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	SK SAHIL	Student		20h51a0.
5	Blood Connect App	Independent Assignment/Non-academic Study Project	2021-22	TRL 6 : Prototype system tested in intended environment close to expected performance	B. Vijayendar Reddy	Student		bvijayenc

Sr. No.	Innovation Name	Developed as part of	FY of Development (FY. 2020-21,2021-22)	TRL Stage	Team Lead/Innovator Name	Current Engagement of Team Lead in Institute	Contact No	Email
6	Plagiarism Detector	Independent Assignment/Non-academic Study Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	Yuvraj Singh	Student		yuvrajsin
7	MINI DISHWASHER	Academic Requirement/Study Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	KOSARAJU SAI HARSHA	Student		20h51a0!
8	smart garbage monitoring system	Academic Requirement/Study Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	SATYAMANISHANKAR PABBINEEDI	Student		satyamar

Sr. No.	Innovation Name	Developed as part of	FY of Development (FY. 2020-21,2021-22)	TRL Stage	Team Lead/Innovator Name	Current Engagement of Team Lead in Institute	Contact No	Email
9	HOOKESEVEN	Academic Requirement/Study Project	2021-22	TRL 5 : Large scale prototype tested in intended environment	K Harshith Srinivas	Student		srishith14
10	MODIGEON	Academic Requirement/Study Project	2021-22	TRL 6 : Prototype system tested in intended environment close to expected performance	Mohammad Sohail Baig	Student		sohail.ba
11	DIY AIR PURIFIER & HUMIDIFIER	Academic Requirement/Study Project	2021-22	TRL 6 : Prototype system tested in intended environment close to expected performance	Sudam Shiva	Student		sudamsk:

Sr. No.	Innovation Name	Developed as part of	FY of Development (FY. 2020-21,2021-22)	TRL Stage	Team Lead/Innovator Name	Current Engagement of Team Lead in Institute	Contact No	Email
12	AI(AQUIFER) INVERTER INDICATOR	Academic Requirement/Study Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	DASARI VARUN REDDY	Student		varunred
13	Automated smart shopping trolley using Arduino	Academic Requirement/Study Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	Achamma gari Poojitha	Student		21h51a0;
14	FOOD SPOILAGE DETECTOR	Academic Requirement/Study Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	PULI USHA KIRAN	Student		puliushak

Sr. No.	Innovation Name	Developed as part of	FY of Development (FY. 2020-21,2021-22)	TRL Stage	Team Lead/Innovator Name	Current Engagement of Team Lead in Institute	Contact No	Email
15	Rain Coat Fuel Generator	Academic Requirement/Study Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	Abhinav	Student		Abhinavb
16	continuous remote alcohol monitoring system(CRAM)	Academic Requirement/Study Project	2021-22	TRL 6 : Prototype system tested in intended environment close to expected performance	Dachavaram Snehal Patel	Student		21h51a7:
17	SMART ALECK	Academic Requirement/Study Project	2021-22	TRL 6 : Prototype system tested in intended environment close to expected performance	PIPPARA NITHIN RAJESH	Student		nithinraje

Sr. No.	Innovation Name	Developed as part of	FY of Development (FY. 2020-21,2021-22)	TRL Stage	Team Lead/Innovator Name	Current Engagement of Team Lead in Institute	Contact No	Email
18	Smart irrigation system using Arduino for roof gardening	Academic Requirement/Study Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	Bolla Dakshatha reddy	Student		21H51A0
19	smart billing using RFID	Academic Requirement/Study Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	Ashelli Pavan Goud	Student		21h51a0
20	AUTOMATIC GRASS CUTTER WITH SPRAY	Academic Requirement/Study Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	Ruksana	Student		ruksanak



Sr. No.	Innovation Name	Developed as part of	FY of Development (FY. 2020-21,2021-22)	TRL Stage	Team Lead/Innovator Name	Current Engagement of Team Lead in Institute	Contact No	Email
21	Automatic Clothesline	Academic Requirement/Study Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	C.Vedanth	Student		vedanthc
22	Measure Heart Rate And Spo2 Max 30*102 Using Arduino	Academic Requirement/Study Project	2021-22	TRL 6 : Prototype system tested in intended environment close to expected performance	B.Divyasri	Student		bodadivy
23	HAND CUES FOR COMPUTER	Academic Requirement/Study Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	MOHAMMAD SONU THAHREEN	Student		21h51a6

Sr. No.	Innovation Name	Developed as part of	FY of Development (FY. 2020-21,2021-22)	TRL Stage	Team Lead/Innovator Name	Current Engagement of Team Lead in Institute	Contact No	Email
24	ROTATING BRIDGE IN RAILWAY STATIONS	Academic Requirement/Study Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	Vangipurapu Sri Harsha	Student		21h51a0
25	Operating Swing	Academic Requirement/Study Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	Gujjula Srinitha	Student		gujjulasri
26	GESTURE CONTROL GADGET	Academic Requirement/Study Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	GANGASANI APARNA LAKSHMI	Student		gangasar

Sr. No.	Innovation Name	Developed as part of	FY of Development (FY. 2020-21,2021-22)	TRL Stage	Team Lead/Innovator Name	Current Engagement of Team Lead in Institute	Contact No	Email
27	automatic mosquito killer spary	Independent Assignment/Non-academic Study Project	2021-22	TRL 5 : Large scale prototype tested in intended environment	snehamedarapu	Student		21H51A0
28	universal remote control	Academic Requirement/Study Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	KOTAPATI SAIPRADEEP REDDY	Student		21H51a0
29	AUTO TEMPERATURE DETECTOR FOR COVID SAFETY AT ENTRANCE	Academic Requirement/Study Project	2021-22	TRL 6 : Prototype system tested in intended environment close to expected performance	Goskula Mahesh	Student	7981883427	21h51a0

Sr. No.	Innovation Name	Developed as part of	FY of Development (FY. 2020-21,2021-22)	TRL Stage	Team Lead/Innovator Name	Current Engagement of Team Lead in Institute	Contact No	Email
30	Keyless Entry	Academic Requirement/Study Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	Voruganti nikitha	Student		Vorugant
31	smart water tANK	Independent Assignment/Non-academic Study Project	2021-22	TRL 6 : Prototype system tested in intended environment close to expected performance	SRAVANI	Student		banalasra
32	VOICE CONTROL TICKET ISSUING MACHINE IN RTC BUSES	Academic Requirement/Study Project	2021-22	TRL 6 : Prototype system tested in intended environment close to expected performance	TEEGALA BHANU TEJA REDDY	Student		21H51A0

Sr. No.	Innovation Name	Developed as part of	FY of Development (FY. 2020-21,2021-22)	TRL Stage	Team Lead/Innovator Name	Current Engagement of Team Lead in Institute	Contact No	Email
33	OBJECT DETECTOR	Academic Requirement/Study Project	2021-22	TRL 6 : Prototype system tested in intended environment close to expected performance	NAMPALLY SIDDHARTHA	Student		21h51a0!
34	SUN DIRECTIONAL SOLAR PANEL	Academic Requirement/Study Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	Akshith Reddy	Student		21h51a0!
35	ARDUINO BASED SEED SPRINKLER	Academic Requirement/Study Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	MAMIDI VENUGOPAL	Faculty		vmamidi!

Sr. No.	Innovation Name	Developed as part of	FY of Development (FY. 2020-21,2021-22)	TRL Stage	Team Lead/Innovator Name	Current Engagement of Team Lead in Institute	Contact No	Email
36	WIRELESS COMMUNICATION SYSTEM USING LIGHT	Academic Requirement/Study Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	TUDURU SATHWIK	Student		21h51a0!
37	Natural Cooling Systems with Moist Earthen Ducts	Academic Requirement/Study Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	Mallela Sindhuja	Student		21h51a0!
38	REALTIME EMBEDDED ELECTRONICS FOR SOLDIER SECURITY	Academic Requirement/Study Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	LOKOTI SRICHARAN	Student		21H51A0

Sr. No.	Innovation Name	Developed as part of	FY of Development (FY. 2020-21,2021-22)	TRL Stage	Team Lead/Innovator Name	Current Engagement of Team Lead in Institute	Contact No	Email
39	DECODING MORSECODE USING EYE BLINK	Academic Requirement/Study Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	SAIKIRAN BLS	Student		21h51a0!
40	Coin sorting machine	Academic Requirement/Study Project	2021-22	TRL 9 : Full commercial application, technology available for consumers	VADDI RISHIKA	Student		21h51a0!
41	AUTOMATIC DISINFECTING SYSYTEM	Academic Requirement/Study Project	2021-22	TRL 5 : Large scale prototype tested in intended environment	C J VISHNU PRAKASH	Student		21h51a0!
42	AUTOMATIC DISINFECTING SYSYTEM	Academic Requirement/Study Project	2021-22	TRL 5 : Large scale prototype tested in intended environment	C J VISHNU PRAKASH	Student		21h51a0!

Sr. No.	Innovation Name	Developed as part of	FY of Development (FY. 2020-21,2021-22)	TRL Stage	Team Lead/Innovator Name	Current Engagement of Team Lead in Institute	Contact No	Email
43	AUTOMATIC DISINFECTING SYSYTEM	Academic Requirement/Study Project	2021-22	TRL 5 : Large scale prototype tested in intended environment	C J VISHNU PRAKASH	Student		21h51a0!
44	AUTOMATIC DISINFECTING SYSYTEM	Academic Requirement/Study Project	2021-22	TRL 5 : Large scale prototype tested in intended environment	C J VISHNU PRAKASH	Student		21h51a0!
45	AUTOMATIC DISINFECTING SYSYTEM	Academic Requirement/Study Project	2021-22	TRL 5 : Large scale prototype tested in intended environment	C J VISHNU PRAKASH	Student		21h51a0!
46	ROBOTIC FIRE EXTINGUISHER	Academic Requirement/Study Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	GUDELLI MANOJ	Student		21h51a7:



Sr. No.	Innovation Name	Developed as part of	FY of Development (FY. 2020-21,2021-22)	TRL Stage	Team Lead/Innovator Name	Current Engagement of Team Lead in Institute	Contact No	Email
47	SAMRT ALARM SYSTEM	Academic Requirement/Study Project	2021-22	TRL 6 : Prototype system tested in intended environment close to expected performance	MUKTHA GHOSH	Student		21h51a7:
48	cup crusher	Academic Requirement/Study Project	2021-22	TRL 6 : Prototype system tested in intended environment close to expected performance	P.Beulah Supragnya	Student		21H51A0
49	BREAKDOWN OF ELECTRIC WIRE	Academic Requirement/Study Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	sri venkata sai	Student		21h51a0!

Sr. No.	Innovation Name	Developed as part of	FY of Development (FY. 2020-21,2021-22)	TRL Stage	Team Lead/Innovator Name	Current Engagement of Team Lead in Institute	Contact No	Email
50	budget friendly billing cart	Academic Requirement/Study Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	s.megha shyam	Student		smeghasl
51	Cattle Indemnity	Academic Requirement/Study Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	Manchukuri Sai krishna	Student		urssaikris
52	ROAD ACCIDENT PREVENTION SYSTEM FOR NARROW CURVES AND MOUNTAIN AREAS	Academic Requirement/Study Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	U. NAGA MANASWINI	Student		21h51a0!

Sr. No.	Innovation Name	Developed as part of	FY of Development (FY. 2020-21,2021-22)	TRL Stage	Team Lead/Innovator Name	Current Engagement of Team Lead in Institute	Contact No	Email
53	Automatic board cleaner	Academic Requirement/Study Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	THANGUDU TEJA KARTHIK	Student		21h51a6t
54	Aurdino Based Temperature Controller in Green Houses	Academic Requirement/Study Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	Yashwanth Reddy	Student		yashsmi
55	Harvested Crop Protection System	Academic Requirement/Study Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	MYAKALA SURYATEJA	Student		myakalat

Sr. No.	Innovation Name	Developed as part of	FY of Development (FY. 2020-21,2021-22)	TRL Stage	Team Lead/Innovator Name	Current Engagement of Team Lead in Institute	Contact No	Email
56	Spy bug voice recorder	Academic Requirement/Study Project	2021-22	TRL 6 : Prototype system tested in intended environment close to expected performance	CH.RISHIKA	Student		rishikachi
57	Spy bug voice recorder	Academic Requirement/Study Project	2021-22	TRL 6 : Prototype system tested in intended environment close to expected performance	CH.RISHIKA	Student		rishikachi
58	Lithium Ion Testing System	Academic Requirement/Study Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	chakka venkata sriram	Student		21h51a6

Sr. No.	Innovation Name	Developed as part of	FY of Development (FY. 2020-21,2021-22)	TRL Stage	Team Lead/Innovator Name	Current Engagement of Team Lead in Institute	Contact No	Email
59	COOLING CAP IN SUMMER	Academic Requirement/Study Project	2021-22	TRL 8 : First of a kind commercial system. Manufacturing issues solved	G. Sri yagna	Student		21h51a0!
60	Parkinsons spoon	Academic Requirement/Study Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	KOTI NAVYASRI	Student		20h51a6;
61	UV-C DISINFECTOR FOR MOBILES AND ESSENTIALS	Academic Requirement/Study Project	2021-22	TRL 9 : Full commercial application, technology available for consumers	Madduri Sai Madhan Reddy	Student		20h51a6;
62	Anti Over Flow Glass Holder	Academic Requirement/Study Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	A. Venkata Karthik	Student		karthikak

Sr. No.	Innovation Name	Developed as part of	FY of Development (FY. 2020-21,2021-22)	TRL Stage	Team Lead/Innovator Name	Current Engagement of Team Lead in Institute	Contact No	Email
63	Color sorting Machine	Academic Requirement/Study Project	2021-22	TRL 6 : Prototype system tested in intended environment close to expected performance	M. Sai Teja	Student		20h51a6;
64	Library Books Management System	Academic Requirement/Study Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	CHALLA BHARATH KUMAR	Student		20h51a6;
65	Voice based switchinf of electrcal appliances for visually-impaired persons	Independent Assignment/Non-academic Study Project	2021-22	TRL 6 : Prototype system tested in intended environment close to expected performance	Maddisandeepmanikanta	Student		maddisar

Sr. No.	Innovation Name	Developed as part of	FY of Development (FY. 2020-21,2021-22)	TRL Stage	Team Lead/Innovator Name	Current Engagement of Team Lead in Institute	Contact No	Email
66	Bluetooth controlled door latch	Academic Requirement/Study Project	2020-21	TRL 8 : First of a kind commercial system. Manufacturing issues solved	Mamidi varun	Student		20h51a0!
67	PADDY RAINCOAT	Academic Requirement/Study Project	2020-21	TRL 6 : Prototype system tested in intended environment close to expected performance	P.MANI PRASAD GOUD	Student		21h51a6!
68	Fuel theft detection system	Academic Requirement/Study Project	2020-21	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	Bakka nagaraju	Student		21h51a0!

## 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	KODNV SOFTWARE SOLUTIONS PRIVATE LIMITED	Private Limited Firm (Pvt. Ltd.)	U93090TG2018PTC128300  <b>View Document</b> ( <a href="https://api.mic.gov.in/uploads/institutes/innovationcontest/images/innovationcontest/idea/IC201">https://api.mic.gov.in/uploads/institutes/innovationcontest/images/innovationcontest/idea/IC201</a> )
2	KODNV SOFTWARE SOLUTIONS PRIVATE LIMITED	Private Limited Firm (Pvt. Ltd.)	U93090TG2018PTC128300  <b>View Document</b> ( <a href="https://api.mic.gov.in/uploads/institutes/innovationcontest/images/innovationcontest/idea/IC201">https://api.mic.gov.in/uploads/institutes/innovationcontest/images/innovationcontest/idea/IC201</a> )

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



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

Sr. No.	Collaborated Agency Name	Collaborated Agency Type	Period of Collaboration (No. of Years)	Current Status of Collaboration	Date of MOU / Agreement Signed on	View
1	Chennai Institute of Technology	Educational Institute	3	Active	07-07-2020	<a href="#">View (/Uploads/Institute/ARI-C-19735/2021-22/Col</a>
2	Micro Small and Medium Enterprises MSME	Govt. Agency (State)	5	Active	27-06-2022	<a href="#">View (/Uploads/Institute/ARI-C-19735/2021-22/Col</a>
3	Robocoupler Pvt.Ltd.	Corporate/Industry Association	3	Active	03-11-2022	<a href="#">View (/Uploads/Institute/ARI-C-19735/2021-22/Col</a>
4	BYTEXL India Pvt Ltd	Corporate/Industry Association	5	Active	13-10-2020	<a href="#">View (/Uploads/Institute/ARI-C-19735/2021-22/Col</a>
5	UTL Technology Ltd	Corporate/Industry Association	5	Active	05-08-2022	<a href="#">View (/Uploads/Institute/ARI-C-19735/2021-22/Col</a>
6	Bharatiya Engineering Science and Technology Innovation University	Educational Institute	5	Active	10-03-2020	<a href="#">View (/Uploads/Institute/ARI-C-19735/2021-22/Col</a>
7	Stumagz	Corporate/Industry Association	2	Active	01-03-2022	<a href="#">View (/Uploads/Institute/ARI-C-19735/2021-22/Col</a>

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
8	COIGN Consultants Pvt Ltd	Corporate/Industry Association	4	Active	29-01-2021	<a href="#">View (/Uploads/Institute/ARI-C-19735/2021-22/Col</a>
9	International Technology University	International Agency	5	Active	01-04-2020	<a href="#">View (/Uploads/Institute/ARI-C-19735/2021-22/Col</a>
10	Spoorti Foundation	Corporate/Industry Association	3	Active	06-02-2021	<a href="#">View (/Uploads/Institute/ARI-C-19735/2021-22/Col</a>
11	TiE GRAD	Corporate/Industry Association	1	Active	01-04-2022	<a href="#">View (/Uploads/Institute/ARI-C-19735/2021-22/Col</a>
12	Engineering Projects in Community Services EPICS	Corporate/Industry Association	3	Active	16-03-2020	<a href="#">View (/Uploads/Institute/ARI-C-19735/2021-22/Col</a>
13	Blackbuck Engineers Pvt Ltd	Corporate/Industry Association	5	Active	09-07-2020	<a href="#">View (/Uploads/Institute/ARI-C-19735/2021-22/Col</a>
14	IBC Media	Knowledge/Mentoring Agency	5	Active	02-08-2022	<a href="#">View (/Uploads/Institute/ARI-C-19735/2021-22/Col</a>
15	Literacy Helping Hand	Corporate/Industry Association	4	Active	29-10-2022	<a href="#">View (/Uploads/Institute/ARI-C-19735/2021-22/Col</a>
16	Nlrmaan Organization	Corporate/Industry Association	5	Active	06-08-2022	<a href="#">View (/Uploads/Institute/ARI-C-19735/2021-22/Col</a>

## 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	SMART DEVICES TO AUTOMATICALLY DETECT THE STRENGTH OF BUILDINGS AND LAND DURING THE CONSTRUCTION OF MULTISTOREY BUILDINGS	Design	202241022416	29-04-2022	No
2	PRACTICALITIES OF MACHINE LEARNING IN PROVIDING SOLUTIONS FOR PREDICTIONS AND SELF-THINKING	Design	202241024950	13-05-2022	No
3	STRENGTH AND RESILIENCE FEATURES OF RECYCLED AGGREGATE CONCRETE WITH ADMIXTURES	Design	No.2022410290	17-06-2022	No
4	HIGH STRENGTH CONCRETE PERFORMANCE WITH ULTRA-FINE MINERAL ADMIXTURES	Design	202221026808	20-05-2022	No
5	MACHINE LEARNING APPROACHES IN STOCK MARKET PREDICTION AND MUTUAL FUND PORTFOLIO MANAGEMENT	Design	202241030686	03-06-2022	No
6	MACHINE LEARNING BASED APPROACH TO STUDY THE POSITIVE AND NEGATIVE TRAITS OF GENOME EDITING TECHNIQUE IN CANCER PATIENTS	Design	202241029354	03-06-2022	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?
7	HEAD MOUNTED DISPLAY DEVICE (BLIND'S NAVIGATOR DEVICE) AND METHOD EMPLOYED THEREOF	Design	202241030225	17-06-2022	No
8	SMART HOME AUTOMATION SYSTEM AND METHOD FOR CONTROLLING OF ELECTRICAL APPLIANCES	Design	202241025727	03-05-2022	No
9	MACHINE LEARNING BASED APPROACH TO STUDY THE POSITIVE AND NEGATIVE TRAITS OF GENOME EDITING TECHNIQUE IN CANCER PATIENTS	Design	202241029354	21-05-2022	No
10	MACHINE LEARNING APPROACHES IN STOCK MARKET PREDICTION AND MUTUAL FUND PORTFOLIO MANAGEMENT	Design	202241030686	03-06-2022	No
11	SYSTEM AND METHOD FOR SUGGESTING VEHICLE PARKING SPACE AVAILABILITY TO USER IN REAL-TIME	Design	202241026691	20-05-2022	No
12	SYSTEM AND METHOD FOR SENSING AND TRANSLATING SIGN LANGUAGE GESTURES TO GENERATE TEXT AND SPEECH ON A COMPUTING DEVICE	Design	.202241026168	20-05-2022	No
13	SYSTEM AND METHOD FOR HUMAN-COMPUTER INTERACTION USING MANUAL HAND GESTURES	Design	202241026698	13-05-2022	No
14	SYSTEM AND METHOD TO AUTOMATING CONTROLS OF SMART CEILING FAN	Design	202241026963	20-05-2022	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?
15	BLOOD DONORS APPLICATION AND METHOD EMPLOYED THEREOF	Design	202241026414	20-05-2022	No
16	THREE WHEEL ELECTRIC VEHICLE	Design	202241017801	08-04-2022	No
17	SYSTEM AND METHOD FOR CONTROLLING WHEELCHAIR IN REAL-TIME	Design	202241017802	08-04-2022	No
18	SYSTEM AND METHOD FOR PROTECTION OF A SELECTED AREA	Design	202241017730	08-04-2022	No
19	SYSTEM AND METHOD FOR AUTOMATED COLLECTION OF WASTE	Design	202241019447	08-04-2022	No
20	SYSTEM AND METHOD FOR RECOGNIZING HAND GESTURES AND CONTROLLING VOLUME OF ELECTRONIC DEVICES IN REAL-TIME	Design	202241019451	08-04-2022	No
21	AUTOMATIC BIKE SIDESTAND RETRIEVAL SYSTEM AND METHOD THEREOF	Design	202241018973	08-04-2022	No
22	FRUIT PLUCKING DEVICE AND METHOD THEREOF	Design	202241018366	15-04-2022	No
23	SEWAGE CLEANING MACHINE AND METHOD THEREOF	Design	202241017944	08-04-2022	No
24	SOLAR AIR COOLER	Design	202241017851	15-04-2022	No
25	SYSTEM AND METHOD FOR AUTOMATED CLEANING OF DISHES	Design	202241017014	01-04-2022	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?
26	CONCRETE WITH PARTIAL REPLACEMENT WITH ALCCOFINE AND COPPER SLAG	Design	202141045002	28-01-2022	No
27	EXPERIMENTAL INVESTIGATION OF HRP/INDUSTRIAL WASTE COMPOSITION AS AN AUXILIARY ADDITIVE TO CEMENT AND LIME IN SOIL STABILIZATION	Design	202241001078	04-02-2022	No
28	TUBERCULOSIS DETECTION USING ARTIFICIAL INTELLIGENCE (AI)	Design	202241001179	04-02-2022	No
29	DESIGN A SERVER OF TRUST IDENTITY MODEL FOR SPAM MESSAGE BY MACHINE LEARNING	Design	202141058783	04-02-2022	No
30	CLOUD COMPUTING AND BIG DATA BASED CONSTRUCTION ASSESSMENT SYSTEM FOR ANDROID APPLICATIONS	Design	202141058290	04-02-2022	No
31	A MACHINE LEARNING MODEL TO PREDICT THE SEVERITY OF CANCER AND TO DECREASE SURGICAL TREATMENT	Design	202141059326	04-02-2022	No
32	HANAFIN METHOD VALUE ASSESSMENT OF E-LMS EDUCATION	Design	202141048971	05-11-2021	No
33	ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING BASED FACIAL RECOGNITION SYSTEM FOR SONGS SELECTION	Design	202141053271	03-12-2021	No
34	Virtual reality based skill development system for construction workers	Design	202141033595	30-07-2021	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?
35	EFFECTS OF GEOGRID REINFORCEMENT ON THE STATIC LIQUEFACTION BEHAVIOR OF GRANULAR FILL BY TRIAXIAL TEST METHOD	Design	202141018133	30-04-2021	No
36	PERFORMANCE EVALUATION OF INDIAN SOAPBERRY SAPINDUS MUKOROSI INNER NUTS IN THE PARTIAL SUBSTITUTE MATERIAL OF SAND	Design	202141042921	01-10-2021	No
37	AN IMAGE PROCESSING SYSTEM WITH CONVOLUTIONAL NEURAL NETWORK MODULES AND METHOD THEREOF	Design	202141047288	05-11-2021	No
38	COVID 19 DETECTION USING ADVANCED CNN	Design	202141050728	19-11-2021	No
39	LOW ENERGY COMMUNICATOR BETWEEN EXTERNAL PROGRAMMER AND IM PLANTABLE MEDICAL DEVICES USING BLE TECHNOLOGY	Design	2020101619 A4	10-09-2020	No
40	TRAFFIC CONTROL SYSTEM AND METHOD FOR MONITORING TRAFFIC SIGNALS AND CONTROLLING SPIKE BARRIER	Design	202141060345	04-02-2022	No
41	ELECTRICITY CONSERVING STREET LIGHT SYSTEM AND METHOD EMPLOYED THEREOF	Design	202141048288	29-10-2021	No

<b>Sr. No.</b>	<b>Title/Name of IP (Copyright/Design Only)</b>	<b>Type of IP</b>	<b>IP Registration Number of Copyright/Design</b>	<b>Date of Filed/Published</b>	<b>Has this IP(Copyright &amp; Designs Only) been Commercialized/Transferred to Industry/Startup/Society?</b>
42	SYSTEM AND METHOD FOR CONNECTING USERS IN REAL-TIME TO FASCILITATE FARMING ACTIVITIES	Design	202141048292	29-10-2021	No
43	ELECTRONIC WASTE MANAGEMENT SYSTEM TO IMPROVE EFFICIENCY OF RECYCLING BY REDUCING ELECTRONIC WASTE	Design	202141048252	29-10-2021	No
44	HYBRID ELECTRIC SYSTEM TO GENERATE ELECTRICAL ENERGY	Design	202141048293	29-10-2021	No
45	DISTRACTION AND DROWSINESS DETECTION DEVICE FOR DRIVERS AND METHOD EMPLOYED THEREOF	Design	202141048871	05-11-2021	No
46	AUTOMATED IMMERSION WATER HEATER ASSEMBLY AND METHOD EMPLOYED THEREOF	Design	202141049655	12-11-2021	No
47	ROBOT ASSISTANT SYSTEM TO REDUCE MANUAL EFFORTS AND PERFORM MULTIPLE ACTIVITIES IN REAL-TIME	Design	202141049653	12-11-2021	No
48	VEHICLE LIVE LOCATION TRACKING SYSTEM AND METHOD EMPLOYED THEREOF	Design	202141049645	12-11-2021	No
49	SYSTEM AND METHOD FOR ESTABLISHING COMMUNICATION BETWEEN COMPUTING DEVICES	Design	202141050732	19-11-2021	No



Sr. No.	Title/Name of IP (Copyright/Design Only)	Type of IP	IP Registration Number of Copyright/Design	Date of Filed/Published	Has this IP(Copyright & Designs Only) been Commercialized/Transferred to Industry/Startup/Society?
50	VEHICLE TRAFFIC CONTROL SYSTEM FOR DETECTING SIGNAL JUMP AND METHOD EMPLOYED THEREOF	Design	202141051000	19-11-2021	No
51	MOTORCYCLE SIDE STAND FOR AUTOMATIC RETRIEVAL AND METHOD EMPLOYED THEREOF	Design	202141051088	19-11-2021	No
52	EXOSKELETON SYSTEM FOR ADAPTIVE RESISTANCE TO BODY MOVEMENT	Design	202141053909	10-12-2021	No
53	SMART PARKING SYSTEM AND METHOD EMPLOYED THEREOF	Design	202141051512	26-11-2021	No
54	PORTABLE ROTI MAKER	Design	202141020647	14-05-2021	No
55	AN IMAGE PROCESSING SYSTEM WITH CONVOLUTIONAL NEURAL NETWORK MODULES AND METHOD THEREOF	Design	202141047288	05-11-2021	No
56	Feed forward neural networks combined with extreme learning machine approach for large weather data	Design	2020103741	04-01-2021	No
57	DYNAMIC DEVICE MANAGEMENT FRAME WORK FOR SMART INDUSTRIES USING OMADM IOT PROTOCOL	Design	202141005635	19-02-2021	No
58	SYSTEM AND METHOD FOR ASSISTING VISUALLY IMPAIRED PEOPLE IN REAL-TIME	Design	202141000932	05-01-2021	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?
59	IOT BASED MUNICIPAL GARBAGE MONITORING SYSTEM FOR THE SMART CITIES	Design	202041047751A	13-11-2020	No
60	AN AUTOMATED AND INTEGRATED MOBILE APP FOR HANDLING ROAD ACCIDENT AND EMERGENCY SITUATION SMARTLY	Design	202041041120A	09-10-2020	No
61	DESIGN OF AUTONOMOUS 5D ARMROBOT FOR INDUSTRIAL APPLICATIONS	Design	202041024083A	12-06-2020	No
62	IMPROVEMENT OF WIRELESS HEARTBEAT AND TEMPERATURE MONITORING SYSTEM FOR REMOTE PATIENTS	Design	202041026068A	10-07-2020	No
63	SLEEP APNEA DETECTION METHOD FOR IN BED PATIENTS FROM SPO2 SIGNAL USING MACHINE LEARNING	Design	202041028286	10-07-2020	No
64	AUTOMATED FOOD FRESHNESS DETECTION USING FEATURE DEEP LEARNING	Design	2020100953	01-07-2020	No
65	MUSIC RECOMMENDATION, MOTION SENSORS ON MOBILE DEVICE USING INTERNET OF THINGS (IOT)	Design	202011034751	18-09-2020	No
66	ROBOTIC PEN	Design	202041038885	25-09-2020	No
67	SYSTEM AND METHOD FOR TRAFFIC CONTROL	Design	202041038883	25-09-2020	No

<b>Sr. No.</b>	<b>Title/Name of IP (Copyright/Design Only)</b>	<b>Type of IP</b>	<b>IP Registration Number of Copyright/Design</b>	<b>Date of Filed/Published</b>	<b>Has this IP(Copyright &amp; Designs Only) been Commercialized/Transferred to Industry/Startup/Society?</b>
68	SYSTEM AND METHOD TO IDENTIFY ACCURATE LOCATION OF EXPLOSIVE DEVICES	Design	202041037906	25-09-2020	No
69	WASTE MANAGEMENT SYSTEM AND METHOD EMPLOYED THEREOF	Design	202041039054	25-09-2020	No
70	WIRELESS POWER TRANSMISSION SYSTEM AND METHOD EMPLOYED THEREOF	Design	202041038051	11-09-2020	No
71	SYSTEM AND METHOD FOR AUTOMATIC RECHARGE OF HANDHELD DEVICE	Design	202041037904	11-09-2020	No
72	MANUAL REFRIGERATION DEVICE AND METHOD EMPLOYED THEREOF	Design	202041038053	11-09-2020	No
73	EMERGENCY VEHICLE TRACKING SYSTEM	Design	202041038049	11-09-2020	No
74	DEVICE AND METHOD FOR POWER SUPPLY THROUGH AIR AS THE MEDIUM	Design	202041037903	11-09-2020	No
75	GRAINS DEHUSKING MACHINE AND METHOD EMPLOYED THEREOF	Design	202041037908	11-09-2020	No
76	CUTTER DEVICE FOR REMOVING INVASIVE PLANT SPECIES	Design	202041038054	11-09-2020	No
77	COMPUTER IMPLEMENTED METHOD FOR DETECTION TEXT-BASED CYBER STALKING IN DATA TRANSMISSION USING MACHINE LEARNING	Design	202041028541	17-07-2020	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?
78	NANOSTRUCTURED GAS SENSORS FOR HEALTHCARE AND MEDICAL SECTOR	Design	202141035750	13-08-2020	No

## 7.2) Patents Filed by HEI

Sr. No.	Title/Name of Patent	IP Registration Number	Date of Filed/Published
1	: PRACTICALITIES OF MACHINE LEARNING IN PROVIDING SOLUTIONS FOR PREDICTIONS AND SELF-THINKING	202241024950	13-05-2022
2	SMART DEVICES TO AUTOMATICALLY DETECT THE STRENGTH OF BUILDINGS AND LAND DURING THE CONSTRUCTION OF MULTISTOREY BUILDINGS	202241022416	29-04-2022
3	STRENGTH AND RESILIENCE FEATURES OF RECYCLED AGGREGATE CONCRETE WITH ADMIXTURES	202241029001	17-06-2022
4	HIGH STRENGTH CONCRETE PERFORMANCE WITH ULTRA-FINE MINERAL ADMIXTURES	202221026808	20-05-2022
5	MACHINE LEARNING APPROACHES IN STOCK MARKET PREDICTION AND MUTUAL FUND PORTFOLIO MANAGEMENT	202241030686	03-06-2022
6	MACHINE LEARNING BASED APPROACH TO STUDY THE POSITIVE AND NEGATIVE TRAITS OF GENOME EDITING TECHNIQUE IN CANCER PATIENTS	202241029354	03-06-2022
7	HEAD MOUNTED DISPLAY DEVICE (BLIND'S NAVIGATOR DEVICE) AND METHOD EMPLOYED THEREOF	202241030225	17-06-2022
8	SMART HOME AUTOMATION SYSTEM AND METHOD FOR CONTROLLING OF ELECTRICAL APPLIANCES	202241025727	03-06-2022

Sr. No.	Title/Name of Patent	IP Registration Number	Date of Filed/Published
9	MACHINE LEARNING BASED APPROACH TO STUDY THE POSITIVE AND NEGATIVE TRAITS OF GENOME EDITING TECHNIQUE IN CANCER PATIENTS	202241029354	03-06-2022
10	MACHINE LEARNING APPROACHES IN STOCK MARKET PREDICTION AND MUTUAL FUND PORTFOLIO MANAGEMENT	202241030686	03-06-2022
11	SYSTEM AND METHOD FOR SUGGESTING VEHICLE PARKING SPACE AVAILABILITY TO USER IN REAL-TIME	202241026691	20-05-2022
12	SYSTEM AND METHOD FOR SENSING AND TRANSLATING SIGN LANGUAGE GESTURES TO GENERATE TEXT AND SPEECH ON A COMPUTING DEVICE	202241026168	20-05-2022
13	SYSTEM AND METHOD FOR HUMAN-COMPUTER INTERACTION USING MANUAL HAND GESTURES	202241026698	13-05-2022
14	SYSTEM AND METHOD TO AUTOMATING CONTROLS OF SMART CEILING FAN	202241026963	20-05-2022
15	BLOOD DONORS APPLICATION AND METHOD EMPLOYED THEREOF	202241026414	20-05-2022
16	THREE WHEEL ELECTRIC VEHICLE	202241017801	08-04-2022
17	SYSTEM AND METHOD FOR CONTROLLING WHEELCHAIR IN REAL-TIME	202241017802	08-04-2022
18	SYSTEM AND METHOD FOR PROTECTION OF A SELECTED AREA	202241017730	08-04-2022
19	SYSTEM AND METHOD FOR AUTOMATED COLLECTION OF WASTE	202241019447	08-04-2022
20	SYSTEM AND METHOD FOR RECOGNIZING HAND GESTURES AND CONTROLLING VOLUME OF ELECTRONIC DEVICES IN REAL-TIME	202241019451	08-04-2022
21	AUTOMATIC BIKE SIDESTAND RETRIEVAL SYSTEM AND METHOD THEREOF	202241018973	08-04-2022
22	FRUIT PLUCKING DEVICE AND METHOD THEREOF	202241018366	15-04-2022
23	SEWAGE CLEANING MACHINE AND METHOD THEREOF	202241017944	08-04-2022

Sr. No.	Title/Name of Patent	IP Registration Number	Date of Filed/Published
24	SOLAR AIR COOLER	202241017851	15-04-2022
25	SYSTEM AND METHOD FOR AUTOMATED CLEANING OF DISHES	202241017014	01-04-2022
26	CONCRETE WITH PARTIAL REPLACEMENT WITH ALCCOFINE AND COPPER SLAG	202141045002	28-01-2022
27	EXPERIMENTAL INVESTIGATION OF HRP/INDUSTRIAL WASTE COMPOSITION AS AN AUXILIARY ADDITIVE TO CEMENT AND LIME IN SOIL STABILIZATION	202241001078	04-02-2022
28	TUBERCULOSIS DETECTION USING ARTIFICIAL INTELLIGENCE (AI)	.202241001179	04-02-2022
29	DESIGN A SERVER OF TRUST IDENTITY MODEL FOR SPAM MESSAGE BY MACHINE LEARNING	202141058783	04-02-2022
30	CLOUD COMPUTING AND BIG DATA BASED CONSTRUCTION ASSESSMENT SYSTEM FOR ANDROID APPLICATIONS	202141058290	04-02-2022
31	A MACHINE LEARNING MODEL TO PREDICT THE SEVERITY OF CANCER AND TO DECREASE SURGICAL TREATMENT	202141059326	04-02-2022
32	HANAFIN METHOD VALUE ASSESSMENT OF E-LMS EDUCATION	.202141048971	05-11-2021
33	ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING BASED FACIAL RECOGNITION SYSTEM FOR SONGS SELECTION	.202141053271	03-12-2021
34	Virtual reality based skill development system for construction workers	202141033595	30-07-2021
35	EFFECTS OF GEOGRID REINFORCEMENT ON THE STATIC LIQUEFACTION BEHAVIOR OF GRANULAR FILL BY TRIAXIAL TEST METHOD	202141018133	30-04-2021
36	PERFORMANCE EVALUATION OF INDIAN SOAPBERRY SAPINDUS MUKOROSI INNER NUTS IN THE PARTIAL SUBSTITUTE MATERIAL OF SAND	.202141042921	01-10-2021
37	AN IMAGE PROCESSING SYSTEM WITH CONVOLUTIONAL NEURAL NETWORK MODULES AND METHOD THEREOF	202141047288	05-11-2021

Sr. No.	Title/Name of Patent	IP Registration Number	Date of Filed/Published
38	COVID 19 DETECTION USING ADVANCED CNN	202141050728	19-11-2021
39	LOW ENERGY COMMUNICATOR BETWEEN EXTERNAL PROGRAMMER AND IM PLANTABLE MEDICAL DEVICES USING BLE TECHNOLOGY	2020101619 A4	09-10-2020
40	TRAFFIC CONTROL SYSTEM AND METHOD FOR MONITORING TRAFFIC SIGNALS AND CONTROLLING SPIKE BARRIER	202141060345	04-02-2022
41	ELECTRICITY CONSERVING STREET LIGHT SYSTEM AND METHOD EMPLOYED THEREOF	202141048288	29-10-2021
42	SYSTEM AND METHOD FOR CONNECTING USERS IN REAL-TIME TO FASCILITATE FARMING ACTIVITIES	202141048292	29-10-2021
43	ELECTRONIC WASTE MANAGEMENT SYSTEM TO IMPROVE EFFICIENCY OF RECYCLING BY REDUCING ELECTRONIC WASTE	202141048252	29-10-2021
44	HYBRID ELECTRIC SYSTEM TO GENERATE ELECTRICAL ENERGY	202141048293	29-10-2021
45	DISTRACTION AND DROWSINESS DETECTION DEVICE FOR DRIVERS AND METHOD EMPLOYED THEREOF	.202141048871	05-11-2021
46	AUTOMATED IMMERSION WATER HEATER ASSEMBLY AND METHOD EMPLOYED THEREOF	202141049655	12-11-2021
47	ROBOT ASSISTANT SYSTEM TO REDUCE MANUAL EFFORTS AND PERFORM MULTIPLE ACTIVITIES IN REAL-TIME	202141049653	12-11-2021
48	VEHICLE LIVE LOCATION TRACKING SYSTEM AND METHOD EMPLOYED THEREOF	202141049645	12-11-2021
49	SYSTEM AND METHOD FOR ESTABLISHING COMMUNICATION BETWEEN COMPUTING DEVICES	202141050732	19-11-2021
50	VEHICLE TRAFFIC CONTROL SYSTEM FOR DETECTING SIGNAL JUMP AND METHOD EMPLOYED THEREOF	202141051000	19-11-2021
51	MOTORCYCLE SIDE STAND FOR AUTOMATIC RETRIEVAL AND METHOD EMPLOYED THEREOF	202141051088	19-11-2021

Sr. No.	Title/Name of Patent	IP Registration Number	Date of Filed/Published
52	EXOSCELETON SYSTEM FOR ADAPTIVE RESISTANCE TO BODY MOVEMENT	202141053909	10-12-2021
53	SMART PARKING SYSTEM AND METHOD EMPLOYED THEREOF	202141051512	26-11-2021
54	PORTABLE ROTI MAKER	202141020647	14-05-2021
55	AN IMAGE PROCESSING SYSTEM WITH CONVOLUTIONAL NEURAL NETWORK MODULES AND METHOD THEREOF	202141047288	05-11-2021
56	Feed forward neural networks combined with extreme learning machine approach for large weather data	2020103741	27-01-2021
57	DYNAMIC DEVICE MANAGEMENT FRAME WORK FOR SMART INDUSTRIES USING OMADM IOT PROTOCOL	202141005635	19-02-2021
58	SYSTEM AND METHOD FOR ASSISTING VISUALLY IMPAIRED PEOPLE IN REAL-TIME	202141000932	15-01-2021
59	IOT BASED MUNICIPAL GARBAGE MONITORING SYSTEM FOR THE SMART CITIES	202041047751A	13-11-2020
60	AN AUTOMATED AND INTEGRATED MOBILE APP FOR HANDLING ROAD ACCIDENT AND EMERGENCY SITUATION SMARTLY	202041041120A	09-10-2020
61	DESIGN OF AUTONOMOUS 5D ARMROBOT FOR INDUSTRIAL APPLICATIONS	202041024083A	12-06-2020
62	IMPROVEMENT OF WIRELESS HEARTBEAT AND TEMPERATURE MONITORING SYSTEM FOR REMOTE PATIENTS	202041026068A	10-07-2020
63	SLEEP APNEA DETECTION METHOD FOR IN BED PATIENTS FROM SPO2 SIGNAL USING MACHINE LEARNING	202041028286	10-07-2020
64	AUTOMATED FOOD FRESHNESS DETECTION USING FEATURE DEEP LEARNING	2020100953	01-07-2020
65	MUSIC RECOMMENDATION, MOTION SENSORS ON MOBILE DEVICE USING INTERNET OF THINGS (IOT)	.202011034751	18-09-2020



Sr. No.	Title/Name of Patent	IP Registration Number	Date of Filed/Published
66	ROBOTIC PEN	202041038885	25-09-2020
67	SYSTEM AND METHOD FOR TRAFFIC CONTROL	202041038883	25-09-2020
68	SYSTEM AND METHOD TO IDENTIFY ACCURATE LOCATION OF EXPLOSIVE DEVICES	202041037906	29-09-2020
69	WASTE MANAGEMENT SYSTEM AND METHOD EMPLOYED THEREOF	202041039054	25-09-2020
70	WIRELESS POWER TRANSMISSION SYSTEM AND METHOD EMPLOYED THEREOF	202041038051	11-09-2020
71	SYSTEM AND METHOD FOR AUTOMATIC RECHARGE OF HANDHELD DEVICE	202041037904	11-09-2020
72	MANUAL REFRIGERATION DEVICE AND METHOD EMPLOYED THEREOF	202041038053	11-09-2020
73	EMERGENCY VEHICLE TRACKING SYSTEM	202041038049	11-09-2020
74	DEVICE AND METHOD FOR POWER SUPPLY THROUGH AIR AS THE MEDIUM	202041037903	11-09-2020
75	GRAINS DEHUSKING MACHINE AND METHOD EMPLOYED THEREOF	202041037908	11-09-2020
76	CUTTER DEVICE FOR REMOVING INVASIVE PLANT SPECIES	202041038054	11-09-2020
77	COMPUTER IMPLEMENTED METHOD FOR DETECTION TEXT-BASED CYBER STALKING IN DATA TRANSMISSION USING MACHINE LEARNING	202041028541	17-07-2020
78	NANOSTRUCTURED GAS SENSORS FOR HEALTHCARE AND MEDICAL SECTOR	202141035750	13-08-2021

### 7.3) Patent Published / Granted Data

Sr. No.	Patent Registration Application No	Patent Title	Patent Application Date	Status of Patent Applications	Patent Published / Granted Calendar Year	Institute applied the Patent as	View
1	202241022416 A	SMART DEVICES TO AUTOMATICALLY DETECT THE STRENGTH OF BUILDINGS AND LAND DURING THE CONSTRUCTION OF MULTISTOREY BUILDINGS	29-04-2022	Published	2022	Applicant	<a href="/Uploads/Institute/PatentFiledNew/">View (/Uploads/Institute/PatentFiledNew/</a>
2	202241024950 A	PRACTICALITIES OF MACHINE LEARNING IN PROVIDING SOLUTIONS FOR PREDICTIONS AND SELF-THINKING	13-05-2022	Published	2022	Applicant	<a href="/Uploads/Institute/PatentFiledNew/">View (/Uploads/Institute/PatentFiledNew/</a>
3	202241029001	STRENGTH AND RESILIENCE FEATURES OF RECYCLED AGGREGATE CONCRETE WITH ADMIXTURES	17-06-2022	Published	2022	Applicant	<a href="/Uploads/Institute/PatentFiledNew/">View (/Uploads/Institute/PatentFiledNew/</a>

Sr. No.	Patent Registration Application No	Patent Title	Patent Application Date	Status of Patent Applications	Patent Published / Granted Calendar Year	Institute applied the Patent as	View
4	202221026808	HIGH STRENGTH CONCRETE PERFORMANCE WITH ULTRA-FINE MINERAL ADMIXTURES	20-05-2022	Published	2022	Applicant	<a href="#">View (/Uploads/Institute/PatentFiledNew/</a>
5	202241030686	MACHINE LEARNING APPROACHES IN STOCK MARKET PREDICTION AND MUTUAL FUND PORTFOLIO MANAGEMENT	03-06-2022	Published	2022	Applicant	<a href="#">View (/Uploads/Institute/PatentFiledNew/</a>
6	202241029354	MACHINE LEARNING BASED APPROACH TO STUDY THE POSITIVE AND NEGATIVE TRAITS OF GENOME EDITING TECHNIQUE IN CANCER PATIENTS	03-06-2022	Published	2022	Applicant	<a href="#">View (/Uploads/Institute/PatentFiledNew/</a>

Sr. No.	Patent Registration Application No	Patent Title	Patent Application Date	Status of Patent Applications	Patent Published / Granted Calendar Year	Institute applied the Patent as	View
7	202241030225	HEAD MOUNTED DISPLAY DEVICE (BLIND'S NAVIGATOR DEVICE) AND METHOD EMPLOYED THEREOF	17-06-2022	Published	2022	Applicant	<a href="#">View (/Uploads/Institute/PatentFiledNew/</a>
8	202241025727	SMART HOME AUTOMATION SYSTEM AND METHOD FOR CONTROLLING OF ELECTRICAL APPLIANCES	03-05-2022	Published	2022	Applicant	<a href="#">View (/Uploads/Institute/PatentFiledNew/</a>
9	202241029354	MACHINE LEARNING BASED APPROACH TO STUDY THE POSITIVE AND NEGATIVE TRAITS OF GENOME EDITING TECHNIQUE IN CANCER PATIENTS	21-05-2022	Published	2022	Applicant	<a href="#">View (/Uploads/Institute/PatentFiledNew/</a>

Sr. No.	Patent Registration Application No	Patent Title	Patent Application Date	Status of Patent Applications	Patent Published / Granted Calendar Year	Institute applied the Patent as	View
10	202241030686	MACHINE LEARNING APPROACHES IN STOCK MARKET PREDICTION AND MUTUAL FUND PORTFOLIO MANAGEMENT	03-06-2022	Published	2022	Applicant	<a href="#">View (/Uploads/Institute/PatentFiledNew/</a>
11	202241026691	SYSTEM AND METHOD FOR SUGGESTING VEHICLE PARKING SPACE AVAILABILITY TO USER IN REAL-TIME	20-05-2022	Published	2022	Applicant	<a href="#">View (/Uploads/Institute/PatentFiledNew/</a>
12	202241026168	SYSTEM AND METHOD FOR SENSING AND TRANSLATING SIGN LANGUAGE GESTURES TO GENERATE TEXT AND SPEECH ON A COMPUTING DEVICE	20-05-2022	Published	2022	Applicant	<a href="#">View (/Uploads/Institute/PatentFiledNew/</a>

Sr. No.	Patent Registration Application No	Patent Title	Patent Application Date	Status of Patent Applications	Patent Published / Granted Calendar Year	Institute applied the Patent as	View
13	202241026698	SYSTEM AND METHOD FOR HUMAN-COMPUTER INTERACTION USING MANUAL HAND GESTURES	13-05-2022	Published	2022	Applicant	<a href="#">View (/Uploads/Institute/PatentFiledNew/</a>
14	202241026963	SYSTEM AND METHOD TO AUTOMATING CONTROLS OF SMART CEILING FAN	20-05-2022	Published	2022	Applicant	<a href="#">View (/Uploads/Institute/PatentFiledNew/</a>
15	202241026414	BLOOD DONORS APPLICATION AND METHOD EMPLOYED THEREOF	20-05-2022	Published	2022	Applicant	<a href="#">View (/Uploads/Institute/PatentFiledNew/</a>
16	202241017801	THREE WHEEL ELECTRIC VEHICLE	08-04-2022	Published	2022	Applicant	<a href="#">View (/Uploads/Institute/PatentFiledNew/</a>
17	202241017802	SYSTEM AND METHOD FOR CONTROLLING WHEELCHAIR IN REAL-TIME	08-04-2022	Published	2022	Applicant	<a href="#">View (/Uploads/Institute/PatentFiledNew/</a>

Sr. No.	Patent Registration Application No	Patent Title	Patent Application Date	Status of Patent Applications	Patent Published / Granted Calendar Year	Institute applied the Patent as	View
18	202241017730	SYSTEM AND METHOD FOR PROTECTION OF A SELECTED AREA	08-04-2022	Published	2022	Applicant	<a href="#">View (/Uploads/Institute/PatentFiledNew/</a>
19	202241019447	YSTEM AND METHOD FOR AUTOMATED COLLECTION OF WASTE	08-04-2022	Published	2022	Applicant	<a href="#">View (/Uploads/Institute/PatentFiledNew/</a>
20	202241019451	SYSTEM AND METHOD FOR RECOGNIZING HAND GESTURES AND CONTROLLING VOLUME OF ELECTRONIC DEVICES IN REAL-TIME	08-04-2022	Published	2022	Applicant	<a href="#">View (/Uploads/Institute/PatentFiledNew/</a>
21	202241018973	AUTOMATIC BIKE SIDESTAND RETRIEVAL SYSTEM AND METHOD THEREOF	08-04-2022	Published	2022	Applicant	<a href="#">View (/Uploads/Institute/PatentFiledNew/</a>
22	202241018366	FRUIT PLUCKING DEVICE AND METHOD THEREOF	15-04-2022	Published	2022	Applicant	<a href="#">View (/Uploads/Institute/PatentFiledNew/</a>

Sr. No.	Patent Registration Application No	Patent Title	Patent Application Date	Status of Patent Applications	Patent Published / Granted Calendar Year	Institute applied the Patent as	View
23	202241017944	SEWAGE CLEANING MACHINE AND METHOD THEREOF	08-04-2022	Published	2022	Applicant	<a href="/Uploads/Institute/PatentFiledNew/">View (/Uploads/Institute/PatentFiledNew/</a>
24	202241017851	SOLAR AIR COOLER	15-04-2022	Published	2022	Applicant	<a href="/Uploads/Institute/PatentFiledNew/">View (/Uploads/Institute/PatentFiledNew/</a>
25	202241017014	SYSTEM AND METHOD FOR AUTOMATED CLEANING OF DISHES	01-04-2022	Published	2022	Applicant	<a href="/Uploads/Institute/PatentFiledNew/">View (/Uploads/Institute/PatentFiledNew/</a>
26	202141045002	CONCRETE WITH PARTIAL REPLACEMENT WITH ALCCOFINE AND COPPER SLAG	28-01-2022	Published	2022	Applicant	<a href="/Uploads/Institute/PatentFiledNew/">View (/Uploads/Institute/PatentFiledNew/</a>
27	202241001078	EXPERIMENTAL INVESTIGATION OF HRP/INDUSTRIAL WASTE COMPOSITION AS AN AUXILIARY ADDITIVE TO CEMENT AND LIME IN SOIL STABILIZATION	04-02-2022	Published	2022	Applicant	<a href="/Uploads/Institute/PatentFiledNew/">View (/Uploads/Institute/PatentFiledNew/</a>



Sr. No.	Patent Registration Application No	Patent Title	Patent Application Date	Status of Patent Applications	Patent Published / Granted Calendar Year	Institute applied the Patent as	View
28	202241001179	TUBERCULOSIS DETECTION USING ARTIFICIAL INTELLIGENCE (AI)	04-02-2022	Published	2022	Applicant	<a href="#">View (/Uploads/Institute/PatentFiledNew/</a>
29	202141058783	DESIGN A SERVER OF TRUST IDENTITY MODEL FOR SPAM MESSAGE BY MACHINE LEARNING	04-02-2022	Published	2022	Applicant	<a href="#">View (/Uploads/Institute/PatentFiledNew/</a>
30	202141058290	CLOUD COMPUTING AND BIG DATA BASED CONSTRUCTION ASSESSMENT SYSTEM FOR ANDROID APPLICATIONS	04-02-2022	Published	2022	Applicant	<a href="#">View (/Uploads/Institute/PatentFiledNew/</a>
31	202141059326	A MACHINE LEARNING MODEL TO PREDICT THE SEVERITY OF CANCER AND TO DECREASE SURGICAL TREATMENT	04-02-2022	Published	2022	Applicant	<a href="#">View (/Uploads/Institute/PatentFiledNew/</a>

Sr. No.	Patent Registration Application No	Patent Title	Patent Application Date	Status of Patent Applications	Patent Published / Granted Calendar Year	Institute applied the Patent as	View
32	202141048971	HANAFIN METHOD VALUE ASSESSMENT OF E-LMS EDUCATION	05-11-2021	Published	2021	Applicant	<a href="#">View (/Uploads/Institute/PatentFiledNew/</a>
33	202141053271	ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING BASED FACIAL RECOGNITION SYSTEM FOR SONGS SELECTION	03-12-2021	Published	2021	Applicant	<a href="#">View (/Uploads/Institute/PatentFiledNew/</a>
34	202141033595	Virtual reality based skill development system for construction workers	30-07-2021	Published	2021	Applicant	<a href="#">View (/Uploads/Institute/PatentFiledNew/</a>
35	202141018133	EFFECTS OF GEOGRID REINFORCEMENT ON THE STATIC LIQUEFACTION BEHAVIOR OF GRANULAR FILL BY TRIAXIAL TEST METHOD	30-04-2021	Published	2021	Applicant	<a href="#">View (/Uploads/Institute/PatentFiledNew/</a>

Sr. No.	Patent Registration Application No	Patent Title	Patent Application Date	Status of Patent Applications	Patent Published / Granted Calendar Year	Institute applied the Patent as	View
36	202141042921	PERFORMANCE EVALUATION OF INDIAN SOAPBERRY SAPINDUS MUKOROSI INNER NUTS IN THE PARTIAL SUBSTITUTE MATERIAL OF SAND	01-10-2021	Published	2021	Applicant	<a href="#">View (/Uploads/Institute/PatentFiledNew/</a>
37	202141047288	AN IMAGE PROCESSING SYSTEM WITH CONVOLUTIONAL NEURAL NETWORK MODULES AND METHOD THEREOF	05-11-2021	Published	2021	Applicant	<a href="#">View (/Uploads/Institute/PatentFiledNew/</a>
38	202141050728	COVID 19 DETECTION USING ADVANCED CNN	19-11-2021	Published	2021	Applicant	<a href="#">View (/Uploads/Institute/PatentFiledNew/</a>
39	2020101619 A4	LOW ENERGY COMMUNICATOR BETWEEN EXTERNAL PROGRAMMER AND IM PLANTABLE MEDICAL DEVICES USING BLE TECHNOLOGY	10-09-2020	Published	2020	Applicant	<a href="#">View (/Uploads/Institute/PatentFiledNew/</a>

Sr. No.	Patent Registration Application No	Patent Title	Patent Application Date	Status of Patent Applications	Patent Published / Granted Calendar Year	Institute applied the Patent as	View
40	202141060345	TRAFFIC CONTROL SYSTEM AND METHOD FOR MONITORING TRAFFIC SIGNALS AND CONTROLLING SPIKE BARRIER	04-02-2022	Published	2022	Applicant	<a href="#">View (/Uploads/Institute/PatentFiledNew/</a>
41	202141048288	ELECTRICITY CONSERVING STREET LIGHT SYSTEM AND METHOD EMPLOYED THEREOF	29-10-2021	Published	2021	Applicant	<a href="#">View (/Uploads/Institute/PatentFiledNew/</a>
42	202141048292	SYSTEM AND METHOD FOR CONNECTING USERS IN REAL-TIME TO FACILITATE FARMING ACTIVITIES	29-10-2021	Published	2021	Applicant	<a href="#">View (/Uploads/Institute/PatentFiledNew/</a>

Sr. No.	Patent Registration Application No	Patent Title	Patent Application Date	Status of Patent Applications	Patent Published / Granted Calendar Year	Institute applied the Patent as	View
43	202141048252	ELECTRONIC WASTE MANAGEMENT SYSTEM TO IMPROVE EFFICIENCY OF RECYCLING BY REDUCING ELECTRONIC WASTE	29-10-2021	Published	2021	Applicant	<a href="#">View (/Uploads/Institute/PatentFiledNew/</a>
44	202141048293	HYBRID ELECTRIC SYSTEM TO GENERATE ELECTRICAL ENERGY	29-10-2021	Published	2021	Applicant	<a href="#">View (/Uploads/Institute/PatentFiledNew/</a>
45	202141048871	DISTRACTION AND DROWSINESS DETECTION DEVICE FOR DRIVERS AND METHOD EMPLOYED THEREOF	05-11-2021	Published	2021	Applicant	<a href="#">View (/Uploads/Institute/PatentFiledNew/</a>
46	202141049655	AUTOMATED IMMERSION WATER HEATER ASSEMBLY AND METHOD EMPLOYED THEREOF	12-11-2021	Published	2021	Applicant	<a href="#">View (/Uploads/Institute/PatentFiledNew/</a>

Sr. No.	Patent Registration Application No	Patent Title	Patent Application Date	Status of Patent Applications	Patent Published / Granted Calendar Year	Institute applied the Patent as	View
47	202141049653	ROBOT ASSISTANT SYSTEM TO REDUCE MANUAL EFFORTS AND PERFORM MULTIPLE ACTIVITIES IN REAL-TIME	12-11-2021	Published	2021	Applicant	<a href="#">View (/Uploads/Institute/PatentFiledNew/</a>
48	202141049645	VEHICLE LIVE LOCATION TRACKING SYSTEM AND METHOD EMPLOYED THEREOF	12-11-2021	Published	2021	Applicant	<a href="#">View (/Uploads/Institute/PatentFiledNew/</a>
49	202141050732	SYSTEM AND METHOD FOR ESTABLISHING COMMUNICATION BETWEEN COMPUTING DEVICES	19-11-2021	Published	2021	Applicant	<a href="#">View (/Uploads/Institute/PatentFiledNew/</a>
50	202141051000	VEHICLE TRAFFIC CONTROL SYSTEM FOR DETECTING SIGNAL JUMP AND METHOD EMPLOYED THEREOF	19-11-2021	Published	2021	Applicant	<a href="#">View (/Uploads/Institute/PatentFiledNew/</a>

Sr. No.	Patent Registration Application No	Patent Title	Patent Application Date	Status of Patent Applications	Patent Published / Granted Calendar Year	Institute applied the Patent as	View
51	202141051088	MOTORCYCLE SIDE STAND FOR AUTOMATIC RETRIEVAL AND METHOD EMPLOYED THEREOF	19-11-2021	Published	2021	Applicant	<a href="/Uploads/Institute/PatentFiledNew/">View (/Uploads/Institute/PatentFiledNew/</a>
52	202141053909	EXOSCELETON SYSTEM FOR ADAPTIVE RESISTANCE TO BODY MOVEMENT	10-12-2021	Published	2021	Applicant	<a href="/Uploads/Institute/PatentFiledNew/">View (/Uploads/Institute/PatentFiledNew/</a>
53	202141051512	SMART PARKING SYSTEM AND METHOD EMPLOYED THEREOF	26-11-2021	Published	2021	Applicant	<a href="/Uploads/Institute/PatentFiledNew/">View (/Uploads/Institute/PatentFiledNew/</a>
54	202141020647	PORTABLE ROTI MAKER	14-05-2021	Published	2021	Applicant	<a href="/Uploads/Institute/PatentFiledNew/">View (/Uploads/Institute/PatentFiledNew/</a>
55	202141047288	AN IMAGE PROCESSING SYSTEM WITH CONVOLUTIONAL NEURAL NETWORK MODULES AND METHOD THEREOF	05-11-2021	Published	2021	Applicant	<a href="/Uploads/Institute/PatentFiledNew/">View (/Uploads/Institute/PatentFiledNew/</a>

Sr. No.	Patent Registration Application No	Patent Title	Patent Application Date	Status of Patent Applications	Patent Published / Granted Calendar Year	Institute applied the Patent as	View
56	2020103741	Feed forward neural networks combined with extreme learning machine approach for large weather data	04-01-2021	Published	2021	Applicant	<a href="#">View (/Uploads/Institute/PatentFiledNew/</a>
57	202141005635	DYNAMIC DEVICE MANAGEMENT FRAME WORK FOR SMART INDUSTRIES USING OMADM IOT PROTOCOL	19-02-2021	Published	2021	Applicant	<a href="#">View (/Uploads/Institute/PatentFiledNew/</a>
58	202141000932	SYSTEM AND METHOD FOR ASSISTING VISUALLY IMPAIRED PEOPLE IN REAL-TIME	05-01-2021	Published	2021	Applicant	<a href="#">View (/Uploads/Institute/PatentFiledNew/</a>
59	202041047751A	IOT BASED MUNICIPAL GARBAGE MONITORING SYSTEM FOR THE SMART CITIES	13-11-2020	Published	2020	Applicant	<a href="#">View (/Uploads/Institute/PatentFiledNew/</a>



Sr. No.	Patent Registration Application No	Patent Title	Patent Application Date	Status of Patent Applications	Patent Published / Granted Calendar Year	Institute applied the Patent as	View
60	202041041120	AN AUTOMATED AND INTEGRATED MOBILE APP FOR HANDLING ROAD ACCIDENT AND EMERGENCY SITUATION SMARTLY	09-10-2020	Published	2020	Applicant	<a href="#">View (/Uploads/Institute/PatentFiledNew/</a>
61	202041024083	DESIGN OF AUTONOMOUS 5D ARMROBOT FOR INDUSTRIAL APPLICATIONS	12-06-2020	Published	2020	Applicant	<a href="#">View (/Uploads/Institute/PatentFiledNew/</a>
62	202041026068	IMPROVEMENT OF WIRELESS HEARTBEAT AND TEMPERATURE MONITORING SYSTEM FOR REMOTE PATIENTS	10-07-2020	Published	2020	Applicant	<a href="#">View (/Uploads/Institute/PatentFiledNew/</a>
63	202041028286	SLEEP APNEA DETECTION METHOD FOR IN BED PATIENTS FROM SPO2 SIGNAL USING MACHINE LEARNING	10-07-2020	Published	2020	Applicant	<a href="#">View (/Uploads/Institute/PatentFiledNew/</a>

Sr. No.	Patent Registration Application No	Patent Title	Patent Application Date	Status of Patent Applications	Patent Published / Granted Calendar Year	Institute applied the Patent as	View
64	2020100953	AUTOMATED FOOD FRESHNESS DETECTION USING FEATURE DEEP LEARNING	01-07-2020	Published	2020	Applicant	<a href="/Uploads/Institute/PatentFiledNew/">View (/Uploads/Institute/PatentFiledNew/</a>
65	202011034751	MUSIC RECOMMENDATION, MOTION SENSORS ON MOBILE DEVICE USING INTERNET OF THINGS (IOT)	18-09-2020	Published	2020	Applicant	<a href="/Uploads/Institute/PatentFiledNew/">View (/Uploads/Institute/PatentFiledNew/</a>
66	202041038885	ROBOTIC PEN	25-09-2020	Published	2020	Applicant	<a href="/Uploads/Institute/PatentFiledNew/">View (/Uploads/Institute/PatentFiledNew/</a>
67	202041038883	SYSTEM AND METHOD FOR TRAFFIC CONTROL	25-09-2020	Published	2020	Applicant	<a href="/Uploads/Institute/PatentFiledNew/">View (/Uploads/Institute/PatentFiledNew/</a>
68	202041037906	SYSTEM AND METHOD TO IDENTIFY ACCURATE LOCATION OF EXPLOSIVE DEVICES	25-09-2020	Granted	2020	Applicant	<a href="/Uploads/Institute/PatentFiledNew/">View (/Uploads/Institute/PatentFiledNew/</a>

Sr. No.	Patent Registration Application No	Patent Title	Patent Application Date	Status of Patent Applications	Patent Published / Granted Calendar Year	Institute applied the Patent as	View
69	202041039054	WASTE MANAGEMENT SYSTEM AND METHOD EMPLOYED THEREOF	25-09-2020	Published	2020	Applicant	<a href="#">View (/Uploads/Institute/PatentFiledNew/</a>
70	202041038051	WIRELESS POWER TRANSMISSION SYSTEM AND METHOD EMPLOYED THEREOF	11-09-2020	Published	2020	Applicant	<a href="#">View (/Uploads/Institute/PatentFiledNew/</a>
71	202041037904	SYSTEM AND METHOD FOR AUTOMATIC RECHARGE OF HANDHELD DEVICE	11-09-2020	Published	2020	Applicant	<a href="#">View (/Uploads/Institute/PatentFiledNew/</a>
72	202041038053	MANUAL REFRIGERATION DEVICE AND METHOD EMPLOYED THEREOF	11-09-2020	Published	2020	Applicant	<a href="#">View (/Uploads/Institute/PatentFiledNew/</a>
73	202041038049	EMERGENCY VEHICLE TRACKING SYSTEM	11-09-2020	Published	2020	Applicant	<a href="#">View (/Uploads/Institute/PatentFiledNew/</a>

Sr. No.	Patent Registration Application No	Patent Title	Patent Application Date	Status of Patent Applications	Patent Published / Granted Calendar Year	Institute applied the Patent as	View
74	202041037903	DEVICE AND METHOD FOR POWER SUPPLY THROUGH AIR AS THE MEDIUM	11-09-2020	Published	2020	Applicant	<a href="#">View (/Uploads/Institute/PatentFiledNew/</a>
75	202041037908	GRAINS DEHUSKING MACHINE AND METHOD EMPLOYED THEREOF	11-09-2020	Published	2020	Co-Applicant	<a href="#">View (/Uploads/Institute/PatentFiledNew/</a>
76	202041038054	CUTTER DEVICE FOR REMOVING INVASIVE PLANT SPECIES	11-09-2020	Published	2020	Applicant	<a href="#">View (/Uploads/Institute/PatentFiledNew/</a>
77	202041028541	COMPUTER IMPLEMENTED METHOD FOR DETECTION TEXT-BASED CYBER STALKING IN DATA TRANSMISSION USING MACHINE LEARNING	17-07-2020	Published	2020	Applicant	<a href="#">View (/Uploads/Institute/PatentFiledNew/</a>
78	202141035750	NANOSTRUCTURED GAS SENSORS FOR HEALTHCARE AND MEDICAL SECTOR	30-08-2020	Published	2020	Applicant	<a href="#">View (/Uploads/Institute/PatentFiledNew/</a>

**7.4) IP Commercialized and Transferred to Industry/Startup**

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

# Declaration

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

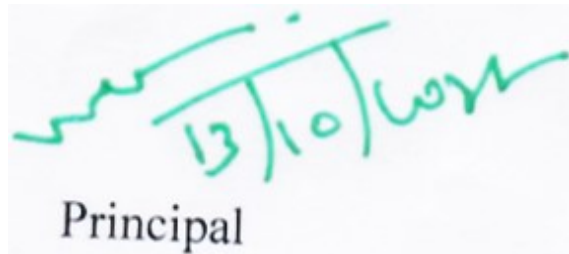
## Joint Declaration by the Head of the Institute and Nodal Officer

Dear Sir,

Herewith, myself **Dr. V. A. Narayana** (Head of Institute) and **Dr. Merugu Suresh** (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



Principal

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Dr. V. A. Narayana,  
Head of the Institution,  
CMR College of Engineering & Technology,  
Hyderabad, Telangana

Nodal officer



## Merugu Suresh

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Dr. Merugu Suresh,  
Nodal Officer,  
CMR College of Engineering & Technology,  
Hyderabad, Telangana