

## 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:

Faculty Name:	Dr. Subhendu Mishra
Designation:	Associate Professor
Email ID:	subhendu@cutm.ac.in
Mobile No.	9724059260

### 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)	
IIC 2.0 (2019-20)	
IIC 3.0 (2020-21)	3.5
IIC 4.0 (2021-22)	3.5

#### Contact:

IIC President of the Institute:	Dr. Anita Patra
Designation:	Registrar

Email ID:	registrar@cutm.ac.in
Mobile No.	9437424149

### 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	Subhendu kumar Mishra	Basic	0
2	Preetha Bhadra	Basic	0
3	Swarnaprabha Jena	Basic	0
4	Padmaja Patnaik	Basic	0
5	Suman Kumar	Basic	0
6	Sujata Chakravarty	Basic	0
7	Saurav Barman	Basic	0
8	Nitesh Dhar Badagyan	Basic	0
9	Girija Nandini	Basic	0
10	KVD Prakash	Basic	0
11	Prajna Pani	Basic	0
12	Kalee Prasanna Patnaik	Basic	0
13	Susanta Kumar Mishra	Basic	0
14	Dr Madhusmita Choudhury	Advance	0
15	Dr Girish Prasad Rath	Basic	0
16	Gurana Manasa	Basic	0
17	Pramod Kumar Patjoshi	Basic	0
18	Dr. Susanta Kumar Patnaik	Advance	0
19	Dr. Ashish Ranjan Dash	Basic	0
20	Swetalina Mishra	Basic	0

Sr. No.	Name of the Faculty IA	Level of Training	No of I&E Expert Talks/Sessions Conducted
21	Mr. Nimay Charan Giri	Basic	0

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

HEI Registered in the KAPILA Portal	U-0353	No
HEI Participated in the Smart India Hackathon (2022)	U-0353	No

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

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

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Co Sta Da
1	Industrial IOT and Automation	CUTM1017	2020-21	Core Course	Bachelor	School of Engineering and Technology	6	15-20:00:
2	Design Thinking	CUTM1021	2020-21	Core Course	Bachelor	School of Engineering and Technology	2	05-20:00:
3	Smart Engineering Project (G2M)	CUTM1023	2020-21	Core Course	Bachelor	School of Engineering and Technology	3	15-20:00:
4	Android App Development	CUTM1036	2020-21	Core Course	Bachelor	School of Engineering and Technology	2	15-20:00:

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Co Sta Da
5	Embedded System Design Using ARM Cortex	CUTM1039	2020-21	Core Course	Bachelor	School of Engineering and Technology	6	06-20:00:
6	Road Engineering	CUTM1070		Core Course	,Bachelor	School of Engineering and Technology	1	06-20:00:
7	Reverse Engineering and Rapid Prototype	CUTM1077		Core Course	Bachelor	School of Engineering and Technology	4	06-20:00:
8	Material in product design and development	CUTM1080	2020-21	Core Course	Bachelor	School of Engineering and Technology	2	06-20:00:
9	Computer Aided Engineering	CUTM1081	2020-21	Core Course	Bachelor	School of Engineering and Technology	3	06-20:00:
10	Food Microbiology	CUTM1119	2020-21	Core Course	Bachelor	School of Engineering and Technology	5	06-20:00:
11	Basics of Design Thinking	CUTM1190	2020-21	Core Course	Master	School of Management	2	06-20:00:
12	Introduction to Blockchain	CUTM1197	2020-21	Core Course	Master	School of Management	1	06-20:00:
13	Industry 4 0 and Smart Factory	CUTM1259	2020-21	Elective Course	Diploma	School of Vocational Education and Training	4	06-20:00:

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Co Sta Da
14	CNC Operation and Programming	CUTM3016	2020-21	Elective Course	Diploma	School of Vocational Education and Training	6	06-20:00:
15	Cloud solution Architect	CUTM3117	2020-21	Elective Course	Diploma	School of Vocational Education and Training	6	06-20:00:
16	Intellectual Property Rights	CUTM 1622	2020-21	Core Course	Master	School of Forensic Sciences	4	15-20:00:
17	Solar Off-grid Entrepreneur	CURE2194	2020-21	Core Course	Bachelor	School of Engineering and Technology	2	15-20:00:
18	Research Methodology and IPR	CUVA4009	2020-21	Elective Course	Bachelor	School of Engineering and Technology	3	15-20:00:
19	Design Thinking and Managing Innovation Through GATE Process	CUGM2140	2020-21	Elective Course	Bachelor	School of Engineering and Technology	3	15-20:00:
20	PLM Tools on Dassault Platform	CUGM2141	2020-21	Elective Course	Bachelor	School of Engineering and Technology	6	15-20:00:
21	Process Management ( Using Enovia )	CUGM2142	2020-21	Elective Course	Bachelor	School of Engineering and Technology	3	15-20:00:
22	Product Development	CUST2013	2020-21	Elective Course	Bachelor	School of Engineering and Technology	6	15-20:00:

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Co Sta Da
23	Flow Solver Techniques- Simulia	CUCF2182	2020-21	Elective Course	,Bachelor	School of Engineering and Technology	4	15-20:00:
24	Simulation and Validation	CUCF2183	2020-21	Elective Course	Bachelor	School of Engineering and Technology	5	15-20:00:
25	Hybrid Renewable Energy Systems	CURE2193	2020-21	Elective Course	Bachelor	School of Engineering and Technology	3	15-20:00:
26	Certification and Inspection Systems in Organic Farming in India	CUOF2231	2020-21	Elective Course	Master	School of Applied Sciences	3	15-20:00:
27	Processing Technology of Cereals and Millets	CUFP2310	2020-21	Elective Course	Master	School of Applied Sciences	3	15-20:00:
28	Product Development and Packaging Technologies	CUFP2313	2020-21	Elective Course	Master	School of Applied Sciences	3	06-20:00:
29	Sensory Evaluation and Nutritional Labelling of Foods	CUFP2315		Elective Course	Master	School of Applied Sciences	3	06-20:00:
30	Rainwater Harvesting and Artificial Recharge	CUSW2340	2020-21	Elective Course	Bachelor	School of Engineering and Technology	3	15-20:00:

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Co Sta Da
31	R programming in Watershed Hydrology	CUSW2343	2020-21	Elective Course	Bachelor	School of Engineering and Technology	3	15-20:00:
32	High Tech Fruit Culture	CUPH2302	2020-21	Elective Course	Master	School of Applied Sciences	3	15-20:00:
33	Applied Hi-tech Horticulture	CUPH2300	2020-21	Elective Course	Master	School of Applied Sciences	3	15-20:00:
34	Molecular Genomics	CUGE2273	2020-21	Elective Course	Bachelor	School of Engineering and Technology	3	06-20:00:
35	Plant Tissue Culture Technologies	CUGE2274	2020-21	Elective Course	Bachelor	School of Engineering and Technology	3	06-20:00:
36	Techniques in Molecular Biology	CUGE2275	2021-22	Elective Course	Bachelor	School of Engineering and Technology	3	06-20:00:
37	Introduction to Nutraceutical	CUNU2280	2021-22	Elective Course	Master	School of Applied Sciences	3	15-20:00:
38	Big Data Systems	MTDS1202	2021-22	Elective Course	Master	School of Engineering and Technology	4	06-20:00:
39	Computational Intelligence	MTDS1205	2021-22	Elective Course	Master	School of Engineering and Technology	4	06-20:00:
40	Genetic Engineering	CUTM1121	2021-22	Elective Course	Bachelor	School of Engineering and Technology	4	15-20:00:

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Co Sta Da
41	Ethical Hacking	CUOC1006	2021-22	Elective Course	Bachelor	School of Forensic Sciences	4	15-20:00:
42	Robotic automation with ROS and C	CUTM1020	2021-22	Elective Course	Bachelor	School of Engineering and Technology	4	06-20:00:
43	CNC Programming and CNC Machining	CUTM1085	2021-22	Core Course	Bachelor	School of Engineering and Technology	2	06-20:00:
44	Evolution of Management Thought	CUTM1181	2021-22	Core Course	Master	School of Management	1	15-20:00:
45	Cyber Crime and Investigations	CUTM1621	2021-22	Core Course	Master	School of Forensic Sciences	4	15-20:00:
46	Entrepreneurship Development	CUTM1692	2021-22	Core Course	Master	School of Management	4	15-20:00:
47	Basic of Magnetic Resonance Imaging	CUTM1776	2021-22	Core Course	Bachelor	School of Paramedics and Allied Health Sciences	4	15-20:00:
48	Advanced Web Programming	CUTM1889	2021-22	Core Course	Bachelor	School of Engineering and Technology	6	06-20:00:
49	Data Analysis and Visualisation using Python	CUTM1018	2021-22	Elective Course	Bachelor	School of Engineering and Technology	6	15-20:00:
50	ML for Hyperspectral Imaging	CUML2004	2021-22	Elective Course	Bachelor	School of Engineering and Technology	6	06-20:00:



Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Co Sta Da
51	IoT Analytics	CUML2008	2021-22	Core Course	Bachelor	School of Engineering and Technology	4	15-20:00:
52	AWS Developer	CUCT2031	2021-22	Elective Course	Bachelor	School of Applied Sciences	6	06-20:00:
53	Micro-Controller Based Embedded System Design	CUES2050	2021-22	Elective Course	Bachelor	School of Engineering and Technology	4	15-20:00:
54	IT Infrastructure Management	CUTM1874	2021-22	Elective Course	Diploma	School of Applied Sciences	5	01-20:00:
55	Binary Deployment and Cross-Platform Controls	CUAR2064	2021-22	Elective Course	Bachelor	School of Engineering and Technology	3	06-20:00:
56	Process Management Using Enovia	CUGM2142	2021-22	Elective Course	Bachelor	School of Engineering and Technology	3	15-20:00:
57	Natural Language Processing with Scikit Learn	CUDA2211	2021-22	Elective Course	Bachelor	School of Engineering and Technology	2	15-20:00:
58	Data Exploration	CUBA2217	2021-22	Elective Course	Master	School of Management	1	15-20:00:
59	Proactive Defence and Countermeasures	CUDF2361	2021-22	Elective Course	Bachelor	School of Engineering and Technology	4	15-20:00:
60	Cyber Hacking and Forensic Investigator	CUDF2363	2021-22	Elective Course	Bachelor	School of Engineering and Technology	4	15-20:00:

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

Srno	Title of Course	Academic Year	Type of Certificate Program	Certificate Program/MDP/FDP/EDP Sponsored/Supported by	Certificate Program Offering Department/ Centre/ Unit Name	Progra Start Date
1	FDP on ROS Training	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	Centurion University of Technology and Management	08-06-2020 00:00:0
2	3D GAME ART	2020-21	Short-term Certificate Program	Self Sponsored/Supported	Center for AR VR	01-07-2020 00:00:0
3	Simulation Techniques for FEM FVM cases	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	Department of Computer Science	27-07-2020 00:00:0
4	FDP Workshop on Drug Discovery using Biovia	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	School of Forensic Sciences	02-09-2020 00:00:0
5	Workshop on Insights on Writing Research Proposal	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	Center for Governance and Sustainable Societies	08-09-2020 00:00:0
6	CATIA FDP	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	School of Engineering and Technology	18-05-2021 00:00:0
7	Embedded System	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	Department of Computer Science	20-05-2021 00:00:0
8	Python FDP	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	Department of Computer Science	20-05-2021 00:00:0

<b>Srno</b>	<b>Title of Course</b>	<b>Academic Year</b>	<b>Type of Certificate Program</b>	<b>Certificate Program/MDP/FDP/EDP Sponsored/Supported by</b>	<b>Certificate Program Offering Department/ Centre/ Unit Name</b>	<b>Progra Start Date</b>
9	Material Studio FDP	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	School of Forensic Sciences	24-05-2021 00:00:0
10	FDP on Smart Agriculture	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	School Of Agriculture	25-05-2021 00:00:0
11	FDP on Suitable Journal Selection and Journal Metrics	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	School of Media and Communication	03-06-2021 00:00:0
12	SDP on Application of Remote Sensing and GIS for Natural Resource Management	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	School Of Agriculture	03-06-2021 00:00:0
13	FDP on AI ML and Video Processing	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	School of Engineering and Technology	12-06-2021 00:00:0
14	Webinar on Recent Advances in Crop Management	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	School Of Agriculture	14-06-2021 00:00:0
15	SIMULIA FDP	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	Department of Computer Science	17-06-2021 00:00:0
16	FDP training on Fundamental of Image and Video Processing	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	School of Media and Communication	24-06-2021 00:00:0

<b>Srno</b>	<b>Title of Course</b>	<b>Academic Year</b>	<b>Type of Certificate Program</b>	<b>Certificate Program/MDP/FDP/EDP Sponsored/Supported by</b>	<b>Certificate Program Offering Department/ Centre/ Unit Name</b>	<b>Progra Start Date</b>
17	Research Methodology and IPR	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	Department of Computer Science	12-09-2021 00:00:0
18	FDP on Advances in Mechanical Engineering Research	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	School of Engineering and Technology	25-05-2022 00:00:0
19	National Seminar on Coronal Mass Ejection Kinematics	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	School of Engineering and Technology	24-08-2022 00:00:0
20	Adobe Tools and Illustrations	2020-21	Short-term Certificate Program	Self Sponsored/Supported	Computer Science	15-07-2021 00:00:0
21	Business Plan Preparation	2020-21	Short-term Certificate Program	Self Sponsored/Supported	School of Management	15-02-2020 00:00:0
22	Computer Aided Drafting	2020-21	Short-term Certificate Program	Self Sponsored/Supported	Computer Science	10-02-2020 00:00:0
23	Computer Installation and Maintenance	2020-21	Short-term Certificate Program	Self Sponsored/Supported	Computer Science	15-07-2020 00:00:0
24	Desktop Publishing	2020-21	Short-term Certificate Program	Self Sponsored/Supported	School of Media and Communication	15-07-2020 00:00:0
25	Digital Painting	2020-21	Short-term Certificate Program	Self Sponsored/Supported	School of Media and Communication	15-07-2020 00:00:0
26	First Aid Service	2020-21	Short-term Certificate Program	Self Sponsored/Supported	School of Paramedics	06-01-2020 00:00:0
27	General Duty Assistance Service	2020-21	Short-term Certificate Program	Self Sponsored/Supported	School of Paramedics	15-07-2020 00:00:0

<b>Srno</b>	<b>Title of Course</b>	<b>Academic Year</b>	<b>Type of Certificate Program</b>	<b>Certificate Program/MDP/FDP/EDP Sponsored/Supported by</b>	<b>Certificate Program Offering Department/ Centre/ Unit Name</b>	<b>Progra Start Date</b>
28	Introduction to Block Chain Technology	2020-21	Short-term Certificate Program	Self Sponsored/Supported	School of Engineering	15-07-2020 00:00:0
29	Introduction to Computational Biology	2020-21	Short-term Certificate Program	Self Sponsored/Supported	Computer Science	15-07-2020 00:00:0
30	Introduction to High-performance Computing	2020-21	Short-term Certificate Program	Self Sponsored/Supported	School of Applied Sciences	15-07-2020 00:00:0
31	Introduction to Nutraceuticals	2020-21	Short-term Certificate Program	Self Sponsored/Supported	School of Applied Sciences	15-07-2020 00:00:0
32	Medical Lab Technology	2020-21	Short-term Certificate Program	Self Sponsored/Supported	School of Paramedics	15-07-2020 00:00:0
33	New material development with Biovia	2020-21	Short-term Certificate Program	Self Sponsored/Supported	School of Forensic Sciences	15-07-2020 00:00:0
34	Organic farming	2020-21	Short-term Certificate Program	Self Sponsored/Supported	School of Applied Sciences	15-07-2020 00:00:0
35	Phlebotomy Technology	2020-21	Short-term Certificate Program	Self Sponsored/Supported	School of Paramedics	15-07-2020 00:00:0
36	Retail Sales	2020-21	Short-term Certificate Program	Self Sponsored/Supported	School of Management	15-07-2020 00:00:0
37	Satellite data processing	2020-21	Short-term Certificate Program	Self Sponsored/Supported	School of Engineering and Technology	05-01-2020 00:00:0
38	Solar PV Installation	2020-21	Short-term Certificate Program	Self Sponsored/Supported	School of Engineering and Technology	15-07-2020 00:00:0

<b>Srno</b>	<b>Title of Course</b>	<b>Academic Year</b>	<b>Type of Certificate Program</b>	<b>Certificate Program/MDP/FDP/EDP Sponsored/Supported by</b>	<b>Certificate Program Offering Department/ Centre/ Unit Name</b>	<b>Progra Start Date</b>
39	E-Vehicle Assembly and Service Technology	2021-22	Short-term Certificate Program	Self Sponsored/Supported	School of Engineering and Technology	06-01-2021 00:00:0
40	INTERNET OF THINGS	2021-22	Short-term Certificate Program	Self Sponsored/Supported	School of Engineering and Technology	15-07-2021 00:00:0
41	Introduction to Nanotechnology	2021-22	Short-term Certificate Program	Self Sponsored/Supported	School of Engineering and Technology	15-07-2021 00:00:0
42	Camera Operation	2021-22	Short-term Certificate Program	Self Sponsored/Supported	School of Engineering and Technology	06-01-2021 00:00:0
43	Editor	2021-22	Short-term Certificate Program	Self Sponsored/Supported	School of Media and Communication	06-01-2021 00:00:0
44	Desktop Publishing	2021-22	Short-term Certificate Program	Self Sponsored/Supported	School of Engineering and Technology	15-07-2021 00:00:0
45	Refraction Technology	2021-22	Short-term Certificate Program	Self Sponsored/Supported	Bsc in Medical Radiation Technology	15-07-2021 00:00:0
46	Medical Lab Technology	2021-22	Short-term Certificate Program	Self Sponsored/Supported	School of Paramedics and Allied Health Sciences	16-01-2021 00:00:0
47	Solar PV Microgrid System	2020-21	Short-term Certificate Program	Self Sponsored/Supported	School of Engineering and Technology	15-07-2020 00:00:0
48	Spectroscopy	2020-21	Short-term Certificate Program	Self Sponsored/Supported	School of Applied Sciences	15-07-2020 00:00:0
49	Wantrepreneur to Entrepreneur	2020-21	Short-term Certificate Program	Self Sponsored/Supported	School of Engineering and Technology	15-07-2020 00:00:0

<b>Srno</b>	<b>Title of Course</b>	<b>Academic Year</b>	<b>Type of Certificate Program</b>	<b>Certificate Program/MDP/FDP/EDP Sponsored/Supported by</b>	<b>Certificate Program Offering Department/ Centre/ Unit Name</b>	<b>Progra Start Date</b>
50	Agri-busuniss Entrepreneurship and finacing for bankers	2021-22	Management Development Program (MDP)	Industry/Non-Govt.	School of Management	28-11-2021 00:00:0
51	Leadership Development Program	2021-22	Management Development Program (MDP)	Industry/Non-Govt.	School of Management	24-08-2021 00:00:0
52	Nano Micro and SME Ecosystem Development	2021-22	Management Development Program (MDP)	Industry/Non-Govt.	School of Management	22-02-2021 00:00:0
53	Training Program and Exposure visit on Housing Micro Finance and Digitalisation of Microfinance operations in India	2021-22	Management Development Program (MDP)	Industry/Non-Govt.	School of Management	04-04-2022 00:00:0
54	Exposure visit and Training Program on Nano Micro and SME Ecosystem Development	2021-22	Management Development Program (MDP)	Industry/Non-Govt.	School of Management	06-08-2022 00:00:0
55	Radiology Technology	2021-22	Short-term Certificate Program	Self Sponsored/Supported	School of Paramedics and Allied Health Sciences	06-01-2021 00:00:0
56	First Aid Service	2021-22	Short-term Certificate Program	Self Sponsored/Supported	School of Applied Sciences	06-01-2021 00:00:0
57	General Duty Assistance Service	2021-22	Short-term Certificate Program	Self Sponsored/Supported	School of Paramedics and Allied Health Sciences	06-01-2021 00:00:0

<b>Srno</b>	<b>Title of Course</b>	<b>Academic Year</b>	<b>Type of Certificate Program</b>	<b>Certificate Program/MDP/FDP/EDP Sponsored/Supported by</b>	<b>Certificate Program Offering Department/ Centre/ Unit Name</b>	<b>Progra Start Date</b>
58	Solar PV Installation	2021-22	Short-term Certificate Program	Self Sponsored/Supported	School of Applied Sciences	06-01-2021 00:00:0
59	Solar Lighting Technology	2021-22	Short-term Certificate Program	Self Sponsored/Supported	BTech Civil Engineering	06-01-2021 00:00:0
60	Organic Farming	2021-22	Short-term Certificate Program	Self Sponsored/Supported	School of Applied Sciences	15-07-2021 00:00:0
61	Mushroom Farming	2021-22	Short-term Certificate Program	Self Sponsored/Supported	School of Paramedics and Allied Health Sciences	15-07-2021 00:00:0
62	Vermicomposting Farming	2021-22	Short-term Certificate Program	Self Sponsored/Supported	School of Applied Sciences	15-07-2021 00:00:0
63	Repair and Maintenance of Home Appliances	2021-22	Short-term Certificate Program	Self Sponsored/Supported	School of Paramedics and Allied Health Sciences	15-07-2021 00:00:0
64	Business Plan Preparation	2021-22	Short-term Certificate Program	Self Sponsored/Supported	School of Management	15-07-2021 00:00:0
65	Bio fertilizers preparation	2021-22	Short-term Certificate Program	Self Sponsored/Supported	School of Applied Sciences	15-07-2021 00:00:0
66	PCB designing and fabrication	2021-22	Short-term Certificate Program	Self Sponsored/Supported	School of Engineering and Technology	06-01-2021 00:00:0
67	Introduction to Block Chain Technology	2021-22	Short-term Certificate Program	Self Sponsored/Supported	School of Engineering and Technology	15-07-2021 00:00:0



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	Progra Start Date
68	Product Life Cycle Management through Gate process	2021-22	Management Development Program (MDP)	Self Sponsored/Supported	School of Management	06-01-2021 00:00:0
69	New material development with Biovia	2021-22	Short-term Certificate Program	Self Sponsored/Supported	School of Applied Sciences	06-01-2021 00:00:0
70	Digital Painting	2021-22	Short-term Certificate Program	Self Sponsored/Supported	School of Engineering Technology	15-07-2021 00:00:0
71	Drug Design using Biovia Discovery Studio	2021-22	Short-term Certificate Program	Self Sponsored/Supported	School of Engineering and Technology	06-01-2021 00:00:0
72	Medical Diagnostic Techniques	2021-22	Short-term Certificate Program	Self Sponsored/Supported	School of Applied Sciences	15-07-2021 00:00:0
73	Gamified DIY kits using Lasers	2021-22	Short-term Certificate Program	Self Sponsored/Supported	School of Applied Sciences	06-01-2021 00:00:0
74	Brew Master	2021-22	Short-term Certificate Program	Self Sponsored/Supported	School of Forensic Sciences	06-01-2021 00:00:0

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

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

Sr. No.	Type of the Unit	Name of Unit	In-charge Name	Contact no	Email	Govt. Schemes
1	EDC	CCIE	Dr. Madhusmita Choudhury	9861517059	madhusmitachoudhury@cutmap.ac.in	Mentoring Support Grant Support, Pre Incubation Facility Support (Idea to Prototype and In Business Plan Development), Inc Facility Support (Innovative Business Model to Startup Market Linkage & Growth Stage), Investment Angel a

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

Sr. No.	Name of Unit	In-charge Name	Contact no	Email	Govt. Schemes
1	Center for Innovators and Entrepreneurs	Sanjeev Kumar Mishra	8144920976	sanjeev@gramtarang.org.in	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	CUTM-IPR	Dr Preetha Bhadra	9073388391	preetha.bhadra@cutm.ac.in	Mentoring 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 Engagemer of Team Lead in Institute
1	"Development of a mono-facial agriphotovoltaic system"	Academic Requirement/Study Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	Nimay Chandra Giri	Faculty

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

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

Sr. No.	Startup/Venture Name	Startup/Venture Registered as	CIN No/LLP/OPC/RC No	GST No	FY of Establishment	Startup/Venture Recognized by DPIIT/Startup India
---------	----------------------	-------------------------------	----------------------	--------	---------------------	---

No Data Found

## 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	CSIR-Central Building Research Institute, Roorkee	Non Govt. Agency	5	Active	25-04-2022	<a href="#">View (/Uplc</a>
2	HEH The Nizam & Alladin Technical Center Industrial Training Centre, Hyderabad	Non Govt. Agency	3	Active	11-03-2021	<a href="#">View (/Uplc</a>
3	Atal Incubation Centre	Corporate/Industry Association	5	Active	15-12-2021	<a href="#">View (/Uplc</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
4	SRINERGY CLEANTECH PRIVATE LIMITED	Corporate/Industry Association	5	Active	13-08-2021	<a href="#">View (/Uplc</a>
5	Fly Tech Aviation Ltd.	Corporate/Industry Association	3	Active	07-08-2021	<a href="#">View (/Uplc</a>
6	General Aeronautics	Corporate/Industry Association	3	Active	07-08-2021	<a href="#">View (/Uplc</a>
7	Confederation Of Indian Industry	Non Govt. Agency	1	Inactive	30-07-2021	<a href="#">View (/Uplc</a>
8	Institute of Applied Quality Management	Corporate/Industry Association	2	Active	18-06-2021	<a href="#">View (/Uplc</a>
9	Banking Finance and Insurance Institute of Nepal Limited (BFIN)	Corporate/Industry Association	5	Active	25-02-2021	<a href="#">View (/Uplc</a>
10	(IFFCO KISAN), New Delhi	Corporate/Industry Association	3	Active	30-07-2020	<a href="#">View (/Uplc</a>
11	IFFCO Sanchar Limited	Corporate/Industry Association	1	Inactive	21-05-2020	<a href="#">View (/Uplc</a>
12	Paygate India Pvt. Ltd, Gurgaon, Haryana	Corporate/Industry Association	3	Active	09-03-2020	<a href="#">View (/Uplc</a>
13	ICAR-Central Institute of Freshwater Aquaculture (CIFA), Bhubaneswar	Govt. Agency (Central)	3	Active	11-11-2021	<a href="#">View (/Uplc</a>
14	Entrepreneurship Cell, IUT Kharagpur	Educational Institute	1	Inactive	27-08-2021	<a href="#">View (/Uplc</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
15	EPOWERX Learning Technologies Private Ltd.	Corporate/Industry Association	3	Active	08-09-2022	
16	ICAR National Rice Research Institute	Govt. Agency (Central)	3	Active	29-07-2022	<a href="#">View (/Uplc</a>
17	Hexaware Technologies Ltd.	Corporate/Industry Association	3	Active	01-03-2022	<a href="#">View (/Uplc</a>
18	FICCI FLO	Corporate/Industry Association	1	Active	01-04-2022	<a href="#">View (/Uplc</a>

## S 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	A role of extrinsic and intrinsic factors on the purchaseintention toward processed food: A cross-sectional study in Bhubaneswar city	Copy Right	16301/2022-CO	29-07-2022	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?
2	Student's Willingness towards online learning & itseffectiveness during the COVID-19 pandemic-An exploratory studyof Centurions AP Campus	Copy Right	16302/2022-CO	29-07-2022	No
3	Brand Evangelism & Customer Satisfaction of Car Purchase	Copy Right	19131/2022-CO	12-09-2022	No
4	Community Action Learning Program (CALP)	Copy Right	8504/2020-CO/	25-06-2020	No
5	Ratcheting Pedagogy for FDP	Copy Right	8513/2020-CO/	25-06-2020	No
6	Go to Market Lab and Its Practices	Copy Right	8574/2020-CO/	25-06-2020	No
7	Learning Reflection Record (LLR): A Multipurpose Tool to Students Success	Copy Right	8505/2020-CO/	25-06-2020	No
8	Paddy Predict APP	Copy Right	8509/2020-CO/	25-06-2020	No
9	Money Instant Transaction (MINT)	Copy Right	8511/2020-CO/	25-06-2020	No
10	The Five Stages Matrix of Level of Empowerment of SHGs	Copy Right	8512/2020-CO/	25-06-2020	No
11	Compact Commercial Electric Vehicle	Design	330537-001	29-06-2020	No
12	Dual Sport Electric bike	Design	330538-001	29-06-2020	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?
13	Ergonomically designed bamboo bottle & cap with aesthetics	Design	339289-001	18-02-2021	No
14	Ergonomically designed compact and sturdy chair manufactured by Fused deposition modelling process	Design	346872-001	31-05-2021	No

## 7.2) Patents Filed by HEI

Sr. No.	Title/Name of Patent	IP Registration Number	Date of Filed/Published
1	A Bio-Pesticide Composition Based On Peppermint Extract And Its Preparation Method Thereof	202031024943	13-06-2020
2	A Biopesticide Composition Based On Bael Extract And Its Preparation Method Thereof	202031024944	13-06-2020
3	Cumin Extract Based Biopesticide Composition	202031024945	13-06-2020
4	Methi Extract Based Biopesticide Composition	202031024946	13-06-2020
5	Extraction Of Bioactive Principles From Oecophylla Smaragdina Based Antibacterial Composition	202031027644	29-06-2020
6	Artificial Intelligence Based Smart Touchless Medicine Dispensing System	202141010684	13-03-2021
7	Extraction Of Bioactive Principles From Oecophylla Smaragdina Based Anticancer Composition	202031027645	29-06-2020
8	Soil Fertility In Vermicomposting Prediction Utilizing Wca Based Deep Cnn-Model For The Agricultural-Domain	2021102320	02-05-2021
9	Extraction Of Bioactive Principles From Oecophylla Smaragdina Based Anti-Fungal Composition	202031027646	29-06-2020
10	Prevention Of Food Harmfulness From Production To Customer For Centralized Kitchen Facility Using Iot	2020103242	04-10-2020



<b>Sr. No.</b>	<b>Title/Name of Patent</b>	<b>IP Registration Number</b>	<b>Date of Filed/Published</b>
11	Extraction Of Bioactive Principles From Oecophylla Smaragdina Based Multi Targeting Anti-Sars Composition	202031027647	29-06-2020
12	Compact Semi-Automatic Paper Pen And Pencil Making Machine	202031027660	30-06-2020
13	Extraction Of Bioactive Principles From Oecophylla Smaragdina Based Anti-Diabetic Composition	202031027661	30-06-2020
14	A Method To Measure The Air Pollution Impact On Terrestrial And Natural Vegetation In Urban Locations	2021100000	01-01-2021
15	Automated Portable Diagnostic System And Method For The Patients In Covid Hospitals	202031035686	19-06-2020
16	Method And Automated Safety Equipment For Quick Detection Of Biological Events Of Hospitalized Patents For Covid Thereof.	202031039046	10-09-2020
17	System And Method For Health Care Data Processing Through Lot By Using Block Chain Technology	202031048523	06-11-2020
18	Technique To Gis Modelling Of Water Bodies By Mapping Riparian Vegetation Along The Shore	2021100002	01-01-2021
19	Herbal Care Composition For Gastritis And Preparation Method For The Same	202041052200	01-12-2020
20	Eclipta Alba Based Composition For Haemorrhoids And Its Preparation Method Thereof	202141004378	01-10-2021
21	Artificial Intelligence Based Animal Detection And Identification For Protection Of Field Crops	202141018335	21-04-2021
22	Smart Attendance And Body Temperature Monitoring System At Working Site	202131001373	12-01-2021
23	Methods And Systems For Agricultural Work By Smart Agriculture Field Boundary With Ai & Ict	202131028359	24-06-2021
24	Intelligent System For Satellite Communication From Mobile Devices To Public Land Mobile Networks Using Iot & Method Thereof	202141033481	26-07-2021
25	Method For Molecular Mapping And Developing Diagnostic Markers For Detecting Anthracnose Resistance In Chili Pepper	2021104155	14-07-2021
26	Smart Framework For Providing Privacy and Protection In Block Chain Based Private Transactions Using Cloud Computing Approach	2021104564	26-07-2021

Sr. No.	Title/Name of Patent	IP Registration Number	Date of Filed/Published
27	Hybrid Statistical Model To Distributed Server on Cloud Computing Environment	202131042186	17-10-2021
28	A Method For Creating Novel Anthracnose Resistant Pepper Plants Using Genome Modification Technique	2021105189	09-08-2022
29	A System For Encoding And Decoding Data Using Cloud Computing And Method Thereof	202141049308	28-10-2022
30	A System Based on Deep Learning Three-Dimensional Pipeline Reconstruction and Method Thereof	202131050687	04-10-2022
31	AN INTEGRATED SOLAR POWER DRIVEN ELECTRIC DEVICE FOR DRIVING AN E- VEHICLE	2022/07882	15-07-2022
32	DEEP LEARNING BASED INTUITIVE COGNIZANCE FOR SOCIALIZATION PROCES	2021106399	22-08-2021

### 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	202131053753	A DATA PROCESSING SYSTEM AND METHOD FOR VEHICLE-END DEVICE WITH A CLOUD COMPUTING	23-11-2021	Published	2021		
2	202131052161	A SYSTEM FOR DETERMINING INDOOR LOCATION USING A DIGITAL VISUAL SYSTEM BASED ON INTERNET OF THINGS (IOT) AND METHOD THEREOF	14-11-2021	Published	2021		
3	202141050117	IMPROVED THE QUALITY OF SERVICES IN HOSPITAL	01-11-2021	Published	2021		

Sr. No.	Patent Registration Application No	Patent Title	Patent Application Date	Status of Patent Applications	Patent Published / Granted Calendar Year	Institute applied the Patent as	View
4	202141044803	SENSOR BASED INTELLIGENT WEARABLE HELMET FOR EARLY DETECTION OF STROKE IN PATIENTS	03-10-2021	Published	2021		
5	202141043525	AN EFFECTIVE VLSI ARCHITECTURE FOR DATA ENCRYPTION STANDARD AND ITS FPGA IMPLEMENTATION	25-09-2021	Published	2021		
6	202141043014	Methodology for prevention of children trapping in borewell open holes	22-09-2021	Published	2021		
7	202141042998	A Novel Method of Power Quality Enhancement in Grid Integrated System using PV-STATCOM	22-09-2021	Published	2021		
8	202141038259	PRODUCTS / SERVICES BASED ON MCDSN USING SQL SERVER	24-08-2021	Published	2021		
9	202141037142	AI FOR EFFICIENT ASSESSMENT AND PREDICTION OF HUMAN PERFORMANCE IN COLLABORATIVE LEARNING ENVIRONMENTS	16-08-2021	Published	2021		
10	202141033333	INTELLIGENT HUMAN BODY DETECTION SYSTEM THROUGH WALL	24-07-2021	Published	2021		

Sr. No.	Patent Registration Application No	Patent Title	Patent Application Date	Status of Patent Applications	Patent Published / Granted Calendar Year	Institute applied the Patent as	View
11	202141030193	IOT AND CLOUD BASED DESIGN AND DEVELOPMENT OF SMART BUS MANAGEMENT SYSTEM	05-07-2021	Published	2021		
12	202141025104	SYSTEM FOR CONTROLLING VARIOUS CROP HARVEST ACTIVITIES USING BIG DATA ANALYTICS BASED MACHINE LEARNING AND IOT	06-06-2021	Published	2021		
13	202141024073	ONLINE MARKETING - HOW CONSUMERS RESPOND TO THE SCHEMES OF INTERNET MARKETING	30-05-2021	Published	2021		
14	202141024063	HUMAN ACTION ACKNOWLEDGMENT UTILIZING DEEP LEARNING WITH PROFOUND PORTRAYALS	30-05-2021	Published	2021		
15	202141022674	MACHINE LEARNING SUPPORTED PREDICTIVE SYSTEM AND METHOD OF ANALYZING THE EMOTION OF CUSTOMERS THEREOF	21-05-2021	Published	2021		
16	202141019090	RECOGNIZING PARKING SPOTS AND DISTINGUISHING INHABITANCE UTILIZING VISION-BASED IOT	26-04-2021	Published	2021		

Sr. No.	Patent Registration Application No	Patent Title	Patent Application Date	Status of Patent Applications	Patent Published / Granted Calendar Year	Institute applied the Patent as	View
17	202141016244	DEVELOPMENT OF BROWN GAS BASED THERMO JET TYPE ENGINE	07-04-2021	Published	2021		
18	202121009744	STOCK TRADING: STOCK TRADING USING MACHINE LEARNING AND DEEP LEARNING PROGRAMMING-	09-03-2021	Published	2021		
19	202141007208	ARTIFICIAL INTELLIGENCE BASED SMART DETECTION OF LUNG DISEASE FROM CHEST X-RAY	20-02-2021	Published	2021		
20	202141007184	IMPROVEMENT OF BUSINESS INTELLIGENCE UTILIZING DATA DIGITALIZATION AND DATA ANALYTICS TECHNIQUES	20-02-2021	Published	2021		
21	202141006874	EMPLOYEES PERFORMANCE MANAGEMENT USING ARTIFICIAL INTELLIGENCE AND METHODS THEREOF	18-02-2021	Published	2021		
22	202141001394	VLSI BASED IMPLEMENTATION OF ROBOTIC ARM CONTROL WITH LEAP MOTION	12-01-2021	Published	2021		
23	202041051974	INTELLIGENT IOT – Based combined health monitoring, Notification, home automation system	29-11-2020	Published	2020		

Sr. No.	Patent Registration Application No	Patent Title	Patent Application Date	Status of Patent Applications	Patent Published / Granted Calendar Year	Institute applied the Patent as	View
24	20204105231	Live Start-Up Circuit For Bandgap Reference (Bgr)	12-01-2020	Published	2020		
25	202041053586	Santulan: A device for Car safety	12-09-2020	Published	2020		
26	202041029018 A	Off-Grid Energy Kiosk System Using IoT	07-08-2020	Published	2020		
27	202041017198	ILED-Facial Mask: Intelligent LED Facial Mask Device Control by ML Programming	22-04-2020	Published	2020		
28	201941034109	An apparatus and method for remotely monitoring an aquatic animal and classification there of	23-08-2019	Published	2020		
29	2020101738	Automated Real-Time Driving Behavioural Modelling Analysis And Reporting In Denser Traffic Using Data Mining	28-08-2020	Published	2020		
30	201941052333 A	Consumer end load scheduling and monitoring using IOT	17-12-2019	Published	2019		
31	201941043773	Siscoplan Composite Material	11-01-2019	Published	2019		
32	201941042764A	Search Based Binary Classification For Web Attacks Detection	22-10-2019	Published	2019		
33	201941030301	System and Method for Securing Smart Ca and Transmitting Vehicle Events to Users in Real – Time-	26-07-2019	Published	2019		

Sr. No.	Patent Registration Application No	Patent Title	Patent Application Date	Status of Patent Applications	Patent Published / Granted Calendar Year	Institute applied the Patent as	View
34	201941034109A	AN APPARATUS AND METHOD FOR REMOTELY MONITORING AN AQUATIC ANIMAL AND CLASSIFICATION THEREOF	23-08-2019	Granted	2019		
35	201921008522A	METHOD AND SYSTEMS FOR TWO WHEELER SECURITY	05-03-2019	Published	2019		
36	201941000049A	METHOD AND SYSTEM FOR RENDERING A PANORAMIC VIEW OF TRAFFIC TO A DRIVER OF A VEHICLE	01-01-2019	Granted	2019		
37	201941000050A	METHOD AND SYSTEM FOR AIDING DRIVER OF A VEHICLE TO ENSURE A SAFE DRIVING	01-01-2019	Published	2019		
38	201941004200A	METHOD AND SYSTEM FOR DETERMINING A POSITION OF AN OBJECT IN A SUSPICIOUS	02-02-2019	Published	2019		
39	201941004200 A	Method and Systems for Determining a position of an object in suspicious condition	02-02-2019	Published	2019		
40	201941009083	System And Method For Monitoring And Improving Structure Of Calcaneal Shift Impacted Foot	03-08-2019	Published	2019		

Sr. No.	Patent Registration Application No	Patent Title	Patent Application Date	Status of Patent Applications	Patent Published / Granted Calendar Year	Institute applied the Patent as	View
41	201941004659A	Wear Behavior of B4C Reinforced Hybrid Aluminum Matrix Composites at Elevated Temperature	02-06-2019	Published	2019		
42	201841046570 A	Vision based safety seat belt monitoring system	15-01-2019	Published	2019		
43	201941003139	Vision Based Safety Seat Belt Monitoring System	25-01-2019	Published	2019		
44	201731043327	Automatic control system for water sprinkling and ventilation	03-12-2017	Published	2019		
45	201731043328	Smart monitoring system of soil moisture	03-12-2017	Published	2019		
46	201731043329	Low Smoke Portable Combustion Furnace	03-12-2017	Published	2019		
47	201941040224	Machine Learning Based Computer Implemented Method For Managing Production From A Hydrocarbon Reservoir	04-10-2019	Published	2019		
48	201931004151	Robotic Service System For Railway Coaches (Swab Railways)	01-02-2019	Published	2020		
49	201931032613	Coriander Extract For Bone Cancer	12-08-2019	Published	2020		
50	201931032614	Syzygium Aromaticum Extracts For Ovarian Cancer	12-08-2019	Published	2020		



Sr. No.	Patent Registration Application No	Patent Title	Patent Application Date	Status of Patent Applications	Patent Published / Granted Calendar Year	Institute applied the Patent as	View
51	201931032615	Methi Extract For Liver Cancer	12-08-2019	Published	2020		
52	201931032616	Bacopa Monnieri Extracts For Lung Cancer	12-08-2019	Published	2020		
53	201931041144	Solar Sugarcane Juicer With Customized Cooling and Additive Dosage Design	11-10-2019	Published	2020		
54	201931045677	Automatic Fault Control System Integrated 3D Printer	11-11-2019	Published	2020		
55	201931049814	A Device For Detection of Food Toxins	03-12-2019	Published	2020		
56	201931051679	Bio-Gas Cylinder Monitoring and Replacing System in Mobile Bio-Toilets	13-12-2019	Published	2020		
57	201931054080	Terminalia Chebula Extract Composition for Jaundice	27-12-2019	Published	2020		
58	201941032262	Nanoparticles for Single Cylinder Spark Ignition Engine	08-08-2019	Published	2020		
59	202031024943	A Bio-Pesticide Composition Based on Peppermint Extract and its Preparation Method Thereof	13-06-2020	Published	2020		
60	202031024944	A Biopesticide Composition Based on Bael Extract and its Preparation Method Thereof	13-06-2020	Published	2020		

Sr. No.	Patent Registration Application No	Patent Title	Patent Application Date	Status of Patent Applications	Patent Published / Granted Calendar Year	Institute applied the Patent as	View
61	202031024945	Cumin Extract Based Biopesticide Composition	13-06-2020	Published	2020		
62	202031024946	Methi Extract Based Biopesticide Composition	13-06-2020	Published	2020		
63	202031027644	Extraction of Bioactive Principles from Oecophylla Smaragdina Based Antibacterial Composition	29-06-2020	Published	2020		
64	202031027645	Extraction of Bioactive Principles from Oecophylla Smaragdina Based Anticancer Composition	29-06-2020	Published	2020		
65	202031027646	Extraction of Bioactive Principles from Oecophylla Smaragdina Based Anti-fungal Composition	29-06-2020	Published	2020		
66	202031027647	Extraction of Bioactive Principles from Oecophylla Smaragdina Based Multi Targeting Anti-SARS Composition	29-06-2020	Published	2020		
67	202031027660	Compact Semi-automatic Paper Pen and Pencil Making Machine	30-06-2020	Published	2020		
68	202031027661	Extraction of Bioactive Principles from Oecophylla Smaragdina Based Anti-Diabetic Composition	30-06-2020	Published	2020		

Sr. No.	Patent Registration Application No	Patent Title	Patent Application Date	Status of Patent Applications	Patent Published / Granted Calendar Year	Institute applied the Patent as	View
69	202031035686	Automated Portable Diagnostic System and Method for The Patients in Covid Hospitals	19-08-2020	Published	2020		
70	202031039046	Method and Automated Safety Equipment for Quick Detection of Biological Events of Hospitalized Patents for Covid Thereof-	10-09-2020	Published	2020		
71	202031048523	System and Method for Health Care Data Processing Through Lot by Using Block Chain Technology	06-11-2020	Published	2020		

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

Sr. No.	Name of Technology Licenced/Transferred/Commercialized	Technology Type	Patent/Licence Holder name (Institute Co-ownership is Must)	Technology Transferred to	Name of Licensee
1	Electric Vehicle - 3W	IP/Patented Technology	GramTarang Employability Training Services Pvt Ltd - a social Entrepreneurial Outreach of Centurion University	Start-up	Gramtarang Technologies Pvt Ltd

## 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. Anita Patra** (Head of Institute) and **Dr. Anita Patro** (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

Anita Patra  
31/10/2022

Nodal officer

Anita Patro  
31/10/2022

Dr. Anita Patra,  
Head of the Institution,  
Centurion University of Technology and  
Management,  
Paralakhemundi, Odisha

Dr. Anita Patro,  
Nodal Officer,  
Centurion University of Technology and  
Management,  
Paralakhemundi, Odisha