

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

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

Completion of Action Items (status as on 7th November 2022)	Status
Registered in the NISP portal for I&E Policy Adoption	Yes
Institute has Formulated an Innovation and Entrepreneurship (I&E) Policy	Yes
Institute has Action Plans for Implementation of the I&E Policy	Yes

Contact:

Faculty Name:	Dr.P.Gowtham. M.E.,Ph.D
Designation:	Associate Professor, Department of ECE, (1.President of Jansons Institute of Technology - Institution Innovation Cell (JIT - IIC), 2. Coordinator for Entrepreneurship Development Cell (EDC)).

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)	1
IIC 3.0 (2020-21)	3
IIC 4.0 (2021-22)	4

Contact:

IIC President of the Institute:	Dr.M.M.Matheswaran
Designation:	Associate Professor

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	A.PRAVEENA	Advance	2
2	A.PRAVEENA	Advance	0
3	Dr.M.M.Matheswaran	Advance	6
4	Dr.P.Gowtham.M.E.,PhD.	Advance	5
5	Dr. E. S. Shamila.,M.E.,Ph.D	Advance	4
6	Dr.T.Meenakshi,M.E,Ph.D	Advance	4
7	Mr. P.Gowsikraja M.E	Advance	2
8	Dr. N. Srinivasan	Advance	3
9	Dr.G Bhavani.Ph.D	Advance	1
10	Mrs.Agnes Preeti	Advance	2
11	Mrs.N.Krishnapriya	Advance	3
12	Mr. M.Vivek ,ME	Advance	1

1.4) Participation in KAPILA/SIH Program

HEI Registered in the KAPILA Portal	C-37021	Yes
HEI Participated in the Smart India Hackathon (2022)	C-37021	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	Mode of Delivery	Total Numbers of Beneficiaries/Participants Undergone the Course
1	CREATIVE AND INNOVATIVE PROJECT	CE8711	2020-21	Core Course	Bachelor	DEPARTMENT OF CIVIL ENGINEERING	2	15-06-2020 00:00:00	26-10-2020 00:00:00	134	60	Online	27

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	Mode of Delivery	Total Numbers of Beneficiaries/Participants Undergone the Course
2	CREATIVE AND INNOVATIVE PROJECT	CE8711	2021-22	Core Course	Bachelor	DEPARTMENT OF CIVIL ENGINEERING	2	21-08-2021 00:00:00	27-11-2021 00:00:00	99	61	Offline	10
3	Health Care Analytics	AD8002	2021-22	Elective Course	Bachelor	DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND DATA SCIENCE	3	16-03-2022 00:00:00	01-05-2022 00:00:00	47	45	Offline	63
4	Entrepreneurship Development	MG8091	2020-21	Elective Course	Bachelor	Department of Mechanical Engineering	3	14-12-2020 00:00:00	01-03-2021 00:00:00	78	45	Offline	58
5	Entrepreneurship Development	MG8091	2021-22	Elective Course	Bachelor	Department of Mechanical Engineering	3	16-03-2022 00:00:00	01-05-2022 00:00:00	47	45	Offline	34
6	Intellectual Property Rights	GE8075	2021-22	Elective Course	Bachelor	Department of Electrical and Electronics Engineering	3	16-03-2022 00:00:00	01-05-2022 00:00:00	47	45	Offline	9
7	Principles of Management	MG8591	2020-21	Core Course	Bachelor	Computer science and Engineering	3	08-06-2020 00:00:00	23-10-2020 00:00:00	138	45	Online	89
8	Hospital Management	OBM752	2020-21	Elective Course	Bachelor	Computer Science and Engineering	3	08-06-2020 00:00:00	23-10-2020 00:00:00	138	45	Online	89
9	Hospital Waste Management	OMD552	2020-21	Elective Course	Bachelor	Computer Science and Engineering	3	08-06-2020 00:00:00	23-10-2020 00:00:00	138	45	Online	104
10	Software Testing	IT8076	2020-21	Elective Course	Bachelor	Computer Science and Engineering	3	18-02-2021 00:00:00	21-05-2021 00:00:00	93	45	Online	104
11	Mini Project	CS8611	2020-21	Core Course	Bachelor	Computer Science and Engineering	1	18-02-2021 00:00:00	21-05-2021 00:00:00	93	45	Online	104
12	Principles of Management	MG8591	2021-22	Core Course	Bachelor	Computer Science and Engineering	3	18-08-2021 00:00:00	13-11-2021 00:00:00	88	45	Offline	104
13	Hospital Management	OBM752	2021-22	Elective Course	Bachelor	Computer Science and Engineering	3	18-08-2021 00:00:00	13-11-2021 00:00:00	88	45	Offline	104
14	Project Work	CS8811	2021-22	Core Course	Bachelor	Computer Science and Engineering	6	16-03-2021 00:00:00	16-06-2021 00:00:00	93	300	Offline	104
15	Project Work	CS8811	2020-21	Core Course	Bachelor	Computer Science and Engineering	6	14-12-2020 00:00:00	12-04-2021 00:00:00	120	300	Offline	89
16	Software Testing	IT8076	2021-22	Elective Course	Bachelor	Computer Science and Engineering	3	16-03-2021 00:00:00	16-06-2021 00:00:00	93	45	Offline	104
17	Mini Project	CE8712	2020-21	Core Course	Bachelor	CIVIL ENGINEERING	2	15-06-2020 00:00:00	26-10-2020 00:00:00	134	60	Online	27
18	Professional Ethics in Engineering	GE8076	2020-21	Elective Course	Bachelor	CIVIL ENGINEERING	3	14-12-2020 00:00:00	12-04-2021 00:00:00	120	72	Online	27
19	Project Work	CE8811	2020-21	Core Course	Bachelor	CIVIL ENGINEERING	6	14-12-2020 00:00:00	12-04-2021 00:00:00	120	300	Offline	27
20	Mini Project	CE8712	2021-22	Core Course	Bachelor	CIVIL ENGINEERING	2	18-08-2021 00:00:00	30-11-2021 00:00:00	105	120	Offline	10
21	Design and Analysis of Algorithm	AD8351	2021-22	Core Course	Bachelor	Artificial Intelligence and Data Science	4	18-08-2021 00:00:00	30-11-2021 00:00:00	105	75	Blended Mo	63
22	Project Work	EC8811	2020-21	Core Course	Bachelor	Electronics and Communication Engineering	6	14-12-2020 00:00:00	12-04-2021 00:00:00	120	300	Offline	78
23	Disaster Management	GE8071	2020-21	Elective Course	Bachelor	Electronics and Communication Engineering	3	08-06-2020 00:00:00	23-10-2020 00:00:00	138	45	Online	78
24	Engineering Graphics	GE8152	2020-21	Core Course	Bachelor	Mechanical Engineering	4	01-09-2020 00:00:00	15-11-2020 00:00:00	76	90	Offline	30
25	Design of Machine Elements	ME8594	2020-21	Core Course	Bachelor	Mechanical Engineering	3	14-12-2020 00:00:00	01-03-2021 00:00:00	78	45	Offline	34
26	Design of Transmission Systems	ME8651	2021-22	Core Course	Bachelor	Mechanical Engineering	3	14-12-2021 00:00:00	01-03-2022 00:00:00	78	34	Offline	34

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	Mode of Delivery	Total Numbers of Beneficiaries/Participants Undergone the Course
27	Design and fabrication Project	ME8682	2020-21	Core Course	Bachelor	Mechanical Engineering	4	14-12-2020 00:00:00	01-03-2021 00:00:00	78	60	Offline	14
28	Process Planning and Cost Estimation	ME8793	2020-21	Core Course	Bachelor	Mechanical Engineering	3	15-12-2020 00:00:00	15-03-2021 00:00:00	91	45	Online	15
29	Project Work	ME8811	2020-21	Core Course	Bachelor	Mechanical Engineering	6	16-03-2021 00:00:00	16-06-2021 00:00:00	93	300	Offline	34
30	Intellectual Property Rights	GE8075	2021-22	Elective Course	Bachelor	Electrical and Electronics Engineering	3	17-03-2022 00:00:00	16-06-2022 00:00:00	92	45	Offline	9
31	Disaster Management	GE8071	2021-22	Elective Course	Bachelor	Electrical and Electronics Engineering	3	18-08-2021 00:00:00	13-11-2021 00:00:00	88	45	Offline	17
32	Project work	EE8811	2020-21	Core Course	Bachelor	Electrical and Electronics Engineering	6	18-02-2021 00:00:00	21-05-2021 00:00:00	93	300	Offline	35
33	Mini project	EE8611	2020-21	Core Course	Bachelor	Electrical and Electronics Engineering	6	18-02-2021 00:00:00	21-05-2021 00:00:00	93	60	Offline	17
34	Project work	EE8811	2021-22	Core Course	Bachelor	Electrical and Electronics Engineering	6	17-03-2022 00:00:00	16-06-2022 00:00:00	92	300	Offline	17
35	Mini project	EE8611	2021-22	Core Course	Bachelor	Electrical and Electronics Engineering	6	17-03-2022 00:00:00	01-05-2022 00:00:00	46	60	Offline	17

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 Numbers of Contact Hours of the Course	Mode of Delivery	Total Numbers of Beneficiaries/Participants Undergone the Certificate Program
1	Research Methodology in Technical Paper Publication	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	Intellectual Property Rights cell	30-03-2021 00:00:00	03-04-2021 00:00:00	5	35	Blended Mo	45
2	Faculty development across the professional span	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	QIC and IIC	24-08-2020 00:00:00	28-08-2020 00:00:00	5	35	Online	75
3	Awareness on Intellectual Property and Innovation A Primer series	2021-22	Short-term Certificate Program	Self Sponsored/Supported	Intellectual Property Rights cell	15-09-2021 00:00:00	18-09-2021 00:00:00	4	30	Offline	125
4	Insights into Block Chain Security and IoT for Beyond 5G Communications	2020-21	Short-term Certificate Program	Self Sponsored/Supported	Computer Science and Engineering	10-08-2020 00:00:00	14-08-2020 00:00:00	5	30	Offline	30
5	Emerging Trends in Ontology and Data Science using Deep Learning	2020-21	Short-term Certificate Program	Self Sponsored/Supported	Computer Science and Engineering	26-05-2021 00:00:00	30-05-2021 00:00:00	5	30	Offline	30
6	Recent Advancements in Applied Machine Learning for real time applications	2020-21	Short-term Certificate Program	Self Sponsored/Supported	Computer Science and Engineering	10-08-2020 00:00:00	14-08-2020 00:00:00	5	30	Offline	30
7	NLP applications with Google AI and Dialog Flow	2020-21	Short-term Certificate Program	Self Sponsored/Supported	Computer Science and Engineering	10-08-2020 00:00:00	14-08-2020 00:00:00	5	30	Offline	86
8	Artificial Intelligence	2021-22	Short-term Certificate Program	Self Sponsored/Supported	Computer Science and Engineering	11-08-2021 00:00:00	15-08-2021 00:00:00	5	30	Offline	89
9	Natural Language Processing	2021-22	Short-term Certificate Program	Self Sponsored/Supported	Computer Science and Engineering	11-08-2021 00:00:00	15-08-2021 00:00:00	5	30	Offline	89
10	Block Chain Technology and its Applications	2021-22	Short-term Certificate Program	Self Sponsored/Supported	Computer Science and Engineering	07-03-2022 00:00:00	11-03-2022 00:00:00	5	30	Offline	89
11	Model Development using Exploratory Analysis	2021-22	Short-term Certificate Program	Self Sponsored/Supported	Computer Science and Engineering	07-03-2022 00:00:00	11-03-2022 00:00:00	5	30	Offline	89
12	Advanced Speech Recognition	2021-22	Short-term Certificate Program	Self Sponsored/Supported	Computer Science and Engineering	07-03-2022 00:00:00	11-03-2022 00:00:00	5	30	Offline	104
13	Home Automation using Tinker CAD IDE simulation Tool	2020-21	Short-term Certificate Program	Self Sponsored/Supported	Electronics and Communication Engineering	08-08-2020 00:00:00	12-08-2020 00:00:00	5	30	Online	92

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 Numbers of Contact Hours of the Course	Mode of Delivery	Total Numbers of Beneficiaries/Participants Undergone the Certificate Program
14	Universal Object Interconnection Using IoT and Unsupervised Learning Algorithms	2020-21	Short-term Certificate Program	Self Sponsored/Supported	Electronics and Communication Engineering	08-08-2020 00:00:00	12-08-2020 00:00:00	5	30	Online	78
15	Executorial Utility of Machine Learning Interventions and its Assesment	2020-21	Short-term Certificate Program	Self Sponsored/Supported	Electronics and Communication Engineering	25-05-2021 00:00:00	29-05-2021 00:00:00	5	30	Online	38
16	RaspberryPI as Internet Gateway for IoT Implementations	2020-21	Short-term Certificate Program	Self Sponsored/Supported	Electronics and Communication Engineering	25-05-2021 00:00:00	29-05-2021 00:00:00	5	30	Online	54
17	PCB Design and Fabrication Techniques	2021-22	Short-term Certificate Program	Self Sponsored/Supported	Electronics and Communication Engineering	17-08-2021 00:00:00	21-08-2021 00:00:00	5	30	Online	95
18	RaspberryPI as Internet Gateway for IoT Implementations	2021-22	Short-term Certificate Program	Self Sponsored/Supported	Electronics and Communication Engineering	09-08-2021 00:00:00	13-08-2021 00:00:00	5	30	Offline	39
19	OPEN CV FOR IMAGE PROCESSING APPLICATIONS	2021-22	Short-term Certificate Program	Self Sponsored/Supported	Electronics and Communication Engineering	09-08-2021 00:00:00	13-08-2021 00:00:00	5	30	Offline	54
20	Image Analysis using SCILAB	2021-22	Short-term Certificate Program	Self Sponsored/Supported	Electronics and Communication Engineering	07-03-2022 00:00:00	11-03-2022 00:00:00	5	30	Offline	54
21	Introduction to MachineLearning using Python	2021-22	Short-term Certificate Program	Self Sponsored/Supported	Electronics and Communication Engineering	07-03-2022 00:00:00	11-03-2022 00:00:00	5	30	Offline	95
22	Biomedical Applications in Industry 4-0	2021-22	Short-term Certificate Program	Self Sponsored/Supported	Electronics and Communication Engineering	07-03-2022 00:00:00	11-03-2022 00:00:00	5	30	Offline	38
23	Design thinking for innovation	2021-22	Short-term Certificate Program	Self Sponsored/Supported	Department of Mechanical Engineering	26-05-2021 00:00:00	30-05-2021 00:00:00	5	30	Offline	31
24	IPR and patent drafting	2021-22	Short-term Certificate Program	Self Sponsored/Supported	Department of Computer Science and Engineering	25-05-2021 00:00:00	29-05-2021 00:00:00	5	30	Offline	35
25	Managerial Economics	2021-22	Short-term Certificate Program	Self Sponsored/Supported	Department of Civil Engineering	24-05-2021 00:00:00	28-05-2021 00:00:00	5	30	Offline	27
26	Business plan development	2021-22	Short-term Certificate Program	Self Sponsored/Supported	Department of Electronics and Communication Engineering	25-05-2021 00:00:00	29-05-2021 00:00:00	5	30	Offline	42
27	Innovation and Entrepreneurship	2021-22	Short-term Certificate Program	Self Sponsored/Supported	Department of Electrical and Electronics Engineering	26-05-2021 00:00:00	30-05-2021 00:00:00	5	30	Offline	25

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	Govt. Schemes
1	EDC	Entrepreneurship Development Cell	Dr.P.Gowtham	Mentoring Support,Seed Grant Support,Pre-Incubation Facility Support (Idea to Prototype and Innovative Business Plan Development)
2	Tinkering Lab	Tinkering Lab for IIOT	Dr.C.Shanmugam	Mentoring Support,Pre-Incubation Facility Support (Idea to Prototype and Innovative Business Plan Development)

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

Sr. No.	Name of Unit	In-charge Name	Govt. Schemes
1	Centre for Innovation, Incubation and Entrepreneurship	Dr. M.M.Matheswaran	None

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	Govt. Schemes
1	IPR Cell	IPR Cell	Dr.E.Shamila	Mentoring Support

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

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

Sr. No.	Innovation Name	Developed as part of	FY of Development (FY. 2020-21,2021-22)	TRL Stage	Team Lead/Innovator Name	Current Engagement of Team Lead in Institute	Total Grants Received (from all sources)	Grant Support Received from Institution/Incubation	Awards/Recognition (National/International level) Received
1	FLOOD DETECTION AND ALERTING SYSTEM USING IOT	Academic Requirement/Study Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	Savitha R	Faculty	0	10000	No
2	Semicircular duct jet impingement solar air heater for drying of Agriculture products	Academic Requirement/Study Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	MATHESWARAN MM	Faculty	0	28000	No
3	"A VEHICLE SPEED CONTROL SYSTEM FOR LOW SPEED ZONES WITH AUTOMATIC EMERGENCY VEHICLE CLEARANCE"	Academic Requirement/Study Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	M SURYA	Faculty	0	15000	No
4	IOT BASED AIR POLLUTION MONITORING SYSTEM USING ARDUINO	Academic Requirement/Study Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	MAHENDRAN K	Faculty	7500	7500	No
5	Automatic Plant Watering System	Academic Requirement/Study Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	PRAVEENA A	Faculty	0	10000	No
6	MANHOLE DETECTION AND MONITORING SYSTEM USING IOT	Academic Requirement/Study Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	M Pavithra	Faculty	16500	16500	Yes
7	ACCIDENT DETECTION AND ALERT SYSTEM USING GPS AND IOT DEVICE	Academic Requirement/Study Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	P.SAKTHI	Faculty	0	10000	No
8	Heart Disease Prediction	Academic Requirement/Study Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	Hariprasath	Student	0	7000	No
9	A FIRE WARNING INFERENCE SYSTEM USING ADAPTIVE NEURO FUZZY FOR PHYSICALLY CHALLENGED PEOPLE	Academic Requirement/Study Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	Dr.E.S.SHAMILA	Faculty	0	10000	No
10	Novel deep drawing system for thin walled micro components	Academic Requirement/Study Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	Srinivasan N	Faculty	7500	0	No
11	REAL TIME WARNING SYSTEM FOR DRIVERS USING IOT	Academic Requirement/Study Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	P.SAKTHI	Faculty	0	10000	No
12	Early Predictor of Retinal Diseases Symptoms by Image Processing	Academic Requirement/Study Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	M Pavithra	Faculty	16500	16500	No
13	IoT Enabled Smart Ambu-Bag for low-cost breathing aid devices	Independent Assignment/Non-academic Study Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	N.Krishnapriya	Faculty	7500	0	No
14	Dual Powered Transformer Less Multi-Output Portable Electronic Workstation using Solar Photovoltaic Panels	Academic Requirement/Study Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	Gowtham P	Faculty	11600	6000	No
15	Diabetes Prediction using Machine Learning	Academic Requirement/Study Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	BHUVANESHWAR A	Student	0	7600	No
16	Text Extractor	Academic Requirement/Study Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	Hariprasath	Student	0	8000	No

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	Total Grants Received (from all sources)	Grant Support Received from Institution/Incubation	Awards/Recognition (National/International level) Received
17	Cost Effective Agriculture Farming using AI & IoT	Academic Requirement/Study Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	A.Velayudham	Faculty	16500	16500	No
18	Enhancing End to End Data Security Using Modified AES	Academic Requirement/Study Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	Rubhashree M	Faculty	0	6000	No
19	A Smart Alert System for Maintaining Social Distance for the Disabled with Health Monitoring	Academic Requirement/Study Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	PRAVEENA A	Faculty	0	10000	No
20	Precision Agriculture Using Hanging Robot	Academic Requirement/Study Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	Karthikeyan S	Faculty	0	11000	No
21	IoT Employed Flood Alerting System for Ground Bridges	Academic Requirement/Study Project	2020-21	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	Dr.L.Anaj Kumar	Faculty	0	18000	No
22	Investigation on Paver block wit replacement of foundry sand, coconut shell and plastic waste	Academic Requirement/Study Project	2020-21	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	SUDHAKAR D	Faculty	0	5000	No
23	Design and New Product Development of Grandbot for Sustainable Assistance to Geriatrics	Academic Requirement/Study Project	2020-21	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	Dr.M.Muthukumar	Faculty	0	13000	No

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
1	EGT ECO GREEN TECH PRIVATE LIMITED	Private Limited Firm (Pvt. Ltd.)	U40108TZ2020PTC033646 View Document (https://api.mic.gov.in/uploads/institutes/innovationcontest/images/innovationcontest/idea/IC201912915_cin_copy_Product,Process1789503.jpg)	View Document (https://api.mic.gov)

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
1	Huawei Services (Hong kong) Co. Limited	Knowledge/Mentoring Agency	03	Active	26-10-2021
2	Brinn Tech	IPR Law Firms/Startup	03	Active	23-09-2021
3	Vidhya Vikashni Matric Higher Secondary School	Atal Tinkering Labs in Schools (ATLs)	03	Active	17-02-2022
4	Stella Mary's College of Engineering	Educational Institute	03	Active	13-10-2021
5	Delnet	Knowledge/Mentoring Agency	01	Active	08-02-2022
6	CONSTRUCTION NETWORK OF INDIA	Corporate/Industry Association	03	Active	27-04-2022
7	Kongu Vellalar Matriculation Higher Secondary School	Atal Tinkering Labs in Schools (ATLs)	03	Active	18-02-2022
8	Literacy Mission Matric Higher secondary school	Educational Institute	03	Active	11-08-2021
9	Siemens COE in Manufacturing - NIT Trichy	Educational Institute	03	Active	03-03-2021
10	Coimbatore Industrial Infrastructure Association	Corporate/Industry Association	03	Active	22-11-2021
11	The Frontline Academy Matriculation Higher Secondary School	Atal Tinkering Labs in Schools (ATLs)	03	Active	17-02-2022

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?
No Data Found					

7.2) Patents Filed by HEI

Sr. No.	Title/Name of Patent	IP Registration Number	Date of Filed/Published
1	Ensemble Deep Learning approach for Genes Expression Classification	2021105093	07-08-2021

7.3 & 7.4) Patent Published / Granted Data

Sr. No.	Patent Registration Application No	Patent Title	Patent Application Date	Status of Patent Applications	Patent Published / Granted Calendar Year	Institute applied the Patent as
1	202111057510	UAV OBSTACLE AVOIDANCE USING VISION BASED DEEP REINFORCEMENT LEARNING ALGORITHM	12-10-2021	Published	2021	
2	202141047328	Smart Application using Cloud-Based IoT for Night Vision Patrolling Robot	19-10-2021	Published	2021	
3	202141034638	A METHOD OF SMART VEHICLE SAFETY AND SECURITY SYSTEM USING INTERNET OF THINGS	08-02-2021	Published	2021	
4	202141030807	A SMART HEALTHCARE MONITORING SYSTEM USING INTERNET OF THINGS	07-09-2021	Published	2021	
5	202141022572	WASTE-TO-ENERGY FROM MUNICIPAL SOLID WASTES	20-05-2021	Published	2021	
6	202121020905	STRENGTH AND DURABILITY PROPERTIES OF CONCRETE USING GROUNDNUT SHELL AS FINE AGGREGATE	05-07-2021	Published	2021	
7	202121015632	ON-SITE AUTOMATED HAZARDOUS MEDICAL WASTE DETECTION BY SMART SENSORS AND WASTE CATEGORIZATION TECHNIQUE USING A MACHINE LEARNING ALGORITHM	04-01-2021	Published	2021	
8	202141008637	AN AUTOMATED EMBEDDED SYSTEM BASED CLOTH PRESSING TECHNIQUES	03-02-2021	Published	2021	
9	202141007807	ARECA LEAF SHREDDING MACHINE	24-02-2021	Published	2021	
10	202141007681	A METHOD OF MODIFIED CEMENT MORTAR STYRENE-ACRYLIC EMULSION AND PREPARATION	24-02-2021	Published	2021	
11	202141007441	ENHANCED IMAGE COMPRESSION SYSTEM WITH PARALLELIZED BINARY SEARCH TREE OPTIMIZATION METHOD FOR MEDICAL IMAGES	23-02-2021	Published	2021	
12	202141005635	DYNAMIC DEVICE MANAGEMENT FRAME WORK FOR SMART INDUSTRIES USING OMA-DM IOT PROTOCOL	02-10-2021	Published	2021	
13	202141004991	SMART INDUSTRIAL MANUFACTURING USING LOW POWER WIDE CONNECTIVITY IOT BASED INGENU MACHINE TO MACHINE APPROACH	02-05-2021	Published	2021	
14	202141004805	SMART CARE INTRAVENOUS INFUSION SYSTEM	02-04-2021	Published	2021	
15	202141004681	SECURED IOT BASED DATA STREAMING NETWORK FORCONTAINERS IN PORTS AND SHIPS USING IETF SOLACE FRAMEWORK	02-03-2021	Published	2021	
16	202141004194	AN AUTOMATIC TOLL GATE SYSTEM USING WIMAX WITH NON-ORTHOGONAL MULTIPLE ACCESS FOR 5G SYSTEMS	31-01-2021	Published	2021	
17	202131002914	AUTOMATED CONFIGURATION OF HYBRID IOT MESH NETWORK FOR REAL TIME LOGISTICS TRACKING	21-01-2021	Published	2021	
18	202121001111	EVACUATED SOLAR TUBE EMBEDDED WITH PIERCED TWISTED TAPE SYSTEM FOR HEATING AIR	01-11-2021	Published	2021	
19	202141000118	Development of IoT based underground wire fault detection system	01-02-2021	Published	2021	
20	202041056467	A SMART ENERGY METERING SYSTEM USING INTERNET OF THINGS	25-12-2020	Published	2021	
21	202011056465	A METHOD FOR RAINFALL PREDICTION USING ARTIFICIAL NEURAL NETWORKS	25-12-2020	Published	2021	
22	202011056466	A SMART AGRICULTURE MONITORING SYSTEM USING INTERNET OF THINGS	25-12-2020	Published	2021	
23	202021054885	EVACUATED TUBE SOLAR AIR HEATER WITH JET IMPINGEMENT SYSTEM	17-12-2020	Published	2021	
24	202041049838	DEVICE FOR HEATING AIR USING SOLAR EVACUATED TUBE	16-11-2020	Published	2020	
25	202041049220	SOLAR POWERED ELECTRIC TRICYCLE FOR PHYSICALLY CHALLENGED PERSONS	11-11-2020	Published	2020	
26	202041047411	A SYSTEM OF FAULT DETECTION AND MONITORING OF SOLAR PVPANELS USING INTERNET OF THINGS	30-10-2020	Published	2020	
27	202041032422	METHOD FOR DETECTING THE MALPRACTICE IN ONLINE EXAMINATIONS BY MOTION DETECTION	29-07-2020	Published	2020	
28	202041029849	3D PRINTED PLA SHEETS EMBEDDED BIO-COMPOSITE MANUFACTURING METHOD THEREOF	14-07-2020	Published	2020	
29	202041012787	HARVESTING MACHINE FOR TAPIOCA VEGETABLES	24-03-2020	Published	2020	
30	202011004563	MULTIFUNCTIONAL CART FOR HEALTH MONITORING AND MOVEMENT OF PATIENT	02-02-2020	Published	2020	
31	202041001297	AUTOMATIC PARTS COUNTING MACHINE IN THE CONVEYOR	01-11-2020	Published	2020	
32	202011000900	SYSTEM AND METHOD FOR MANAGING SAR VALUE, QUALITY OF SERVICE, AND ENERGY CONSUMPTION FOR WCDMA	01-08-2020	Published	2020	

7.5) 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						