

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

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

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

Contact:

Faculty Name:	S mahaboob Hussain
Designation:	President IIC, Head Innovation and Entrepreneurship Development Cell, Assistant Professor CSE

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)	3
IIC 3.0 (2020-21)	4
IIC 4.0 (2021-22)	2

Contact:

IIC President of the Institute:	S. Mahaboob Hussain
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Designation:

Assistant Professor, CSE & Head Entrepreneurship Development Cell

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	S. Mahaboob Hussain	Advance	3
2	Ch. Phani Kumar	Advance	0
3	K. Kiran	Advance	0
4	P Rama Swamy	Basic	0
5	P. Srinivas	Basic	0
6	Mr. EVRJ Sastry	Basic	0
7	Mr. B. Elisha raju	Basic	0
8	BANDARU MARY DEVIKA	Basic	0
9	R S DURGA RAO	Basic	0
10	B N Ch V Chakravarthi	Basic	0
11	Dr. Argha Sarkar	Basic	0
12	VSN NARSIMHA RAJU	Basic	0
13	B. V. Prasanthi	Basic	0
14	Dr. Prakash Pareek	Basic	0

1.4) Participation in KAPILA/SIH Program

HEI Registered in the KAPILA Portal	C-18099	Yes
HEI Participated in the Smart India Hackathon (2022)	C-18099	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
1	IPRP - Intellectual Property Rights and Patents	R19 20412	2020-21	Elective Course	Bachelor	MBA	2	01-08-2020 00:00:00	28-01-2021 00:00:00

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	Program Start Date	Program End Date	Total Credit (if any)
No Data Found								

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) (\geq 600 Sq. Ft. Floor Area)

Sr. No.	Type of the Unit	Name of Unit	In-charge Name	Govt. Schemes
No Data Found				

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

Sr. No.	Name of Unit	In-charge Name	Govt. Schemes
No Data Found			

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				

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 S Receive Institut
No Data Found								

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	FY Sta Re Suj fro Inc uni Ins
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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
No Data Found					

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
No Data Found			

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	202141050486	VISITORS DETECTION AND FACE RECOGNITION SYSTEM USING IOT TECHNOLOGY	03-11-2021	Published	2021	
2	202141047867	HYBRID MEMORY CUBEORIENTED IMAGE CLASSIFICATION USING CONVOLUTIONAL NEURAL NETWORK	21-10-2021	Published	2021	
3	202141038197	IMPLEMENTATION OF ARTIFICIAL INTELLIGENCE IN HUMAN-ROBOT COMMUNICATION	24-08-2021	Published	2021	
4	202141035803	AUTOMATED VACCINE DISTRIBUTION IN INDIA WITH FASTEST DOCUMENT VERIFICATION MODEL	09-08-2021	Published	2021	

Sr. No.	Patent Registration Application No	Patent Title	Patent Application Date	Status of Patent Applications	Patent Published / Granted Calendar Year	Institute applied the Patent as
5	202141033357	MACHINE LEARNING AND FUZZY LOGIC BASED SMART DETECTION OF CHRONIC LUNG CANCER	25-07-2021	Published	2021	
6	202141032482	A DATA MINING TOOL FOR MONITORING AND REPORTING FOR A CHANGE IN A REAL-TIME DATA	19-07-2021	Published	2021	
7	202141032025	SEAMLESS MULTIUSER UE SYNCHRONISATION MECHANISM IN 5G-ORAN ARCHITECTURE	16-07-2021	Published	2021	
8	202141028833	OPTIMIZED ULTRALARGE SCALE SOC TEST CONTROL ARCHITECTURE WITH SCAN TEST FOR BANDWIDTH MANAGEMENT	27-06-2021	Published	2021	
9	202141028654	AN EFFICIENT ENHANCED VLSI ARCHITECTURE OF MONTGOMERY MODULAR MULTIPLICATION	25-06-2021	Published	2021	
10	202141021100	DESIGN AND FABRICATION OF MICROSTRIP PATCH ANTENNA FOR WIRELESS 5G APPLICATIONS	10-05-2021	Published	2021	
11	202121012313	ARTIFICIAL NEURAL NETWORK BASED DETECTION OF COVID-19 FROM CHEST X-RAY	22-03-2021	Published	2021	

Sr. No.	Patent Registration Application No	Patent Title	Patent Application Date	Status of Patent Applications	Patent Published / Granted Calendar Year	Institute applied the Patent as
12	202141011345	A COST EFFECTIVE SOLAR POWERED MOBILE JACKET TO ENCOUNTER THE CHARGING ISSUES WHILE EXPLORING OFFBEAT PLACES	17-03-2021	Published	2021	
13	202141008199	SMART PREDICTION SYSTEM TO MINE THE DATABASE OF COVID VACCINATED PERSONEL	26-02-2021	Published	2021	
14	202141006879	AN EFFECTIVE AND RELIABLE GRID CONNECTED PV SYSTEM WITH BATTERY FOR UNINTERRUPTED SUPPLY TO LOADS	18-02-2021	Published	2021	
15	202141006199	WILD ANIMAL-TRAIN COLLISION PREVENTION SYSTEM	14-02-2021	Published	2021	
16	202141000855	A SMART AND EFFICIENT SETUP TO USE SOLAR ENERGY FOR CCTV CAMERAS	08-01-2021	Published	2021	
17	202141000539	SOLAR MODULE CLEANING SYSTEM	06-01-2021	Published	2021	
18	202041056467	A SMART ENERGY METERING SYSTEM USING INTERNET OF THINGS	25-12-2020	Published	2021	
19	202041055617	Stress Test on Single Thermoelectric Cell in water-based Cooling CTEG System	21-12-2020	Published	2021	
20	202041055058	Effects of the wind on the High Level Water Collecting Wet CoolingTower	17-12-2020	Published	2021	

Sr. No.	Patent Registration Application No	Patent Title	Patent Application Date	Status of Patent Applications	Patent Published / Granted Calendar Year	Institute applied the Patent as
21	202041015774	Solid state deposition process of surface alloy coating	11-04-2020	Published	2020	
22	202041028484	Virus Control in Shrimp Cultivation based on Internet of Things	04-07-2020	Published	2020	
23	202041030719	Safe Driving and Accident Prevention Using Wireless Transmitter Traffic Control	18-07-2020	Published	2020	
24	202041031432	Automated Enhanced E-Learning System For Engineering Students Using Iot	22-07-2020	Published	2020	
25	202041036247	Privacy Preserving Statistical Analysis System For Wireless Medical Sensor Data	22-08-2020	Published	2020	
26	202041036196	Energy Auditing For Iot System Security By Deep Learning Convolution Neural Network	22-08-2020	Published	2020	
27	202041035329	Renewable Energy Driven Air Cooler Actuated By Solar Power	17-08-2020	Published	2020	
28	202041040649	Smart Drips Bag Hanging System	19-09-2020	Published	2020	
29	202041043122	Borewell Rescue system using supervised learning Technique	05-10-2020	Published	2020	
30	202041044774	VLSI Based Eeg Signal Processing For Smart Patient Monitoring System	14-10-2020	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
31	202041043065	Development Of A Solar Powered Economical And Environmental Friendly E-Banner: An Exclusive Sustainable Green Approach	03-10-2020	Published	2020	
32	202041052594	An Automated IOT Based Solar Panelized Washing Machine	03-12-2020	Published	2020	
33	202041053479	Design and Fabrication of Electric Smart Bike with Voice Recognition	09-12-2020	Published	2020	
34	202041055147	Smart Food Packaging System For Frozen Shrimps	18-12-2020	Published	2020	
35	202041050552	Investigation Of lot Based Life Care Autonomous System	20-11-2020	Published	2020	
36	202041054869	Enhanced Power Utilization And Virtualization In Cloud Datacenter Through Cluster-MG Algorithm	17-12-2020	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 Tran: Tech
No Data Found						



