

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

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

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

Contact:

Faculty Name:	Dr A V Paramkusam
Designation:	Professor
Email ID:	adapa74@gmail.com
Mobile No.	6281640026

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)	
IIC 4.0 (2021-22)	1

Contact:

IIC President of the Institute:	Dr. A V Paramkusam
Designation:	Professor
Email ID:	adapa74@gmail.com

Mobile No.

8019504623

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.A.V.Paramkusam	Basic	0
2	S.Suresh kumar	Basic	0

1.4) Participation in KAPILA/SIH Program

HEI Registered in the KAPILA Portal	C-18066	Yes
HEI Participated in the Smart India Hackathon (2022)	C-18066	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	T E C (
1	Entrepreneurship and Incubation	19BSH-OE3203	2021-22	Elective Course	Bachelor	Computer Science and Engineering	3	04-03-2022 00:00:00	11-06-2022 00:00:00	1

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)
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) (>= 600 Sq. Ft. Floor Area)

Sr. No.	Type of the Unit	Name of Unit	In-charge Name	Contact no	Email	Govt. Schemes
1	Innovation Cell	Innovation and Incubation Centre	Dr. A V Paramkusam	8019504623	adapa74@gmail.com	Mentoring Support, Seed Grant 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	Contact no	Email	Govt. Schemes
1	Incubation center	Dr T. VinodKumar	9390610971	vinodkumar.tuduku@lendi.org	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	Intellectual Property (IP) Cell	Dr. A V Paramkusam	8019504623	adapa74@gmail.com	Mentoring Support, Seed Grant Support, Pre-Incubation Facility Support (Idea to Prototype and Innovative Business Plan Development)

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	Total Grants Received (from all sources)
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 of Started Receiving Support from the Incubation unit at the Institute
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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
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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?
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No Data Found

7.2) Patents Filed by HEI

Sr. No.	Title/Name of Patent	IP Registration Number	Date of Filed/Published
1	Smart Industrial Safety Monitoring system Using IoT and Machine Learning	202041040672	19-09-2020
2	Design and development of V-I Methods for Emergency vehicles to secure the human lives	202041045341	19-10-2020
3	Machine Learning based Early cancer prediction system	202041048633	06-11-2020
4	Advanced Artificial Intelligence based clinical Decision support system for heart disease prediction	202141000933	08-01-2021
5	system and the method to secure data in Li-Fi communication through colour transformation towards green environment	202041000760	08-01-2020
6	design of intelligent communicated Distillation system to purify water	202141050872	19-11-2021
7	Low Cost Smart E Vehicle Charging Station With Battery Swapping technology	202141028205	23-06-2021
8	Method to Improve Renewable Energy System Efficiency by Smart Grid	202141042895	22-09-2021
9	AUTOMATIC BILLING SYSTEM IN A SHOPPING MALL BY USING THE SMART CART	202141004909	04-02-2021
10	A SYSTEM AND METHOD FOR SANITIZER SPRAYING APPLICATION	202041038824	09-09-2020
11	ARTIFICIAL INTELLIGENCE BASED SMART MOTORIZED BICYCLE	202041012418	23-03-2020
12	A System and Method for auto sanitization and pandemic spread control in fuel stations	202141006943	19-02-2021
13	Automatic Detection system for Focal EEG signals with Adaptive Wavelet Transform	202041052559	02-12-2020
14	RDAH health notification: IoT based health notification and real time doctor availability checking in hospital using machine learning	202041041351	24-09-2020
15	Portable water purity Monitoring system and method thereof	202041031038	21-07-2020
16	Design and development of IoT based flying and jumping locomotive ROBOT for killing locust	202041028501	04-07-2020
17	An interactive system and method of IoT and cloud computing for intelligent power utilization	202041021860	25-05-2020
18	A Method and Design of Multiband Rejection Microstrip Patch Antenna for Wireless Communications	2021100119	09-01-2021
19	Manually operated multi level Modular Brick Moulding Apparatus	202041040671	19-09-2020
20	An artificial intelligence based integrated IoT healthcare system for cancer care and method thereof	202241022606	17-04-2022

Sr. No.	Title/Name of Patent	IP Registration Number	Date of Filed/Published
21	Artificial Intelligence based Automatic Healthcare Management system for detection and prevention of Pancreatic Cancer using Multi detector Computed Tomography, Image processing and Machine Learning algorithms	202241021628	11-04-2022
22	A System for privacy - preserving medical record searching engine for an artificially intelligent based diagnosis in IoT healthcare	202241020616	05-04-2022
23	A Sturdy dataset for RF MEMS switches dimensions prediction using cascade feed forward neural network	202241020064	02-04-2022
24	The Block chain and Artificial Intelligence based IoT Environment for 6G Wireless Network	202241001610	11-01-2022
25	An IOT equipment based secured cloud network communication method	202141061935	30-12-2021
26	A SYSTEM BASED ON DEEP LEARNING THREE-DIMENSIONAL PIPELINE RECONSTRUCTION AND METHOD THEREOF	202131050687	04-11-2021
27	E- FUZZY FEATURE FUSION AND THRESHOLDING BASED SYSTEM FOR MORPHOLOGY SEGMENTATION OF BRAIN MRI MODALITIES	202021105895	28-10-2021
28	Organic cake based Herbal Mosquito repellent composition and preparation method thereof	202141051384	10-11-2021
29	Dual Circularly Polarized Dielectric Resonator Based Compact Hybrid Antenna for Dual Functional Applications	202141041798	16-09-2021
30	Integrated Airless wheel	349539-001	15-09-2021
31	TUNGSTEN OXIDE NANOFIBER SENSORS IN AGRO-HORICULTURAL PRACTICES	202141034639	02-08-2021
32	Long lasting solid state batteries for future electric vehicle system	202111032644	20-07-2021
33	Generating and stabilizing nano bubbles for therapeutic application	202141041760	01-10-2021
34	Intellegent PV based hybrid fast EV commercial charging station	202141037960	27-08-2021
35	Hetro layer based charge storage devices for bio electronic applications	202141037979	27-08-2021
36	An Apparatus for Automated Data Collection, Management, and Reporting based on Deep Learning and Artificial Intelligence	202131041447	26-11-2021
37	A novel method for nano-carbon energy-storage material with specific high energy	202141037976	24-09-2021
38	Phtovoltaic solar thermal system with nano fluid cooling medium	202141039082	03-09-2021
39	Cloud and IoT based temperature monitoring system.	202141048423	05-11-2021
40	NANOPARTICLES BASED COMPOSITIONS HAVING NUCLEIC ACIDS AND CATIONIC COPOLYMERS	202141052124	26-11-2021

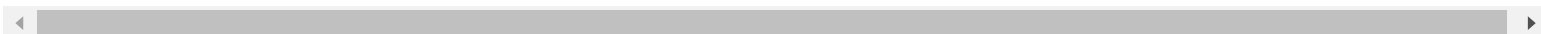
Sr. No.	Title/Name of Patent	IP Registration Number	Date of Filed/Published
41	REUSABILITY OF ANTIMICROBIAL MULTILAYER NANOFIBER MASK WITH HIGH PROTECTIVE	202141055679	10-12-2021
42	Multipurpose Bio-Enzyme Cleaning Composition and Method for Preparing the Same	202041047699	13-11-2020
43	Detachable Visor Wiper Apparatus for Helmets	202041054492	01-01-2021

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
No Data Found							

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

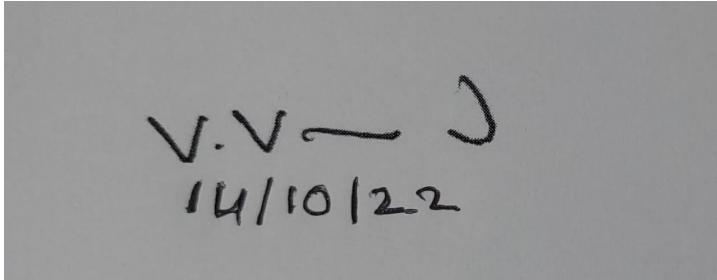
Joint Declaration by the Head of the Institute and Nodal Officer

Dear Sir,

Herewith, myself **Dr. V V RAMA REDDY** (Head of Institute) and **Dr. A.V.Paramkusam** (Nodal Officer) jointly declaring on behalf of our institute is that all the information submitted are true and correct to best of our knowledge.

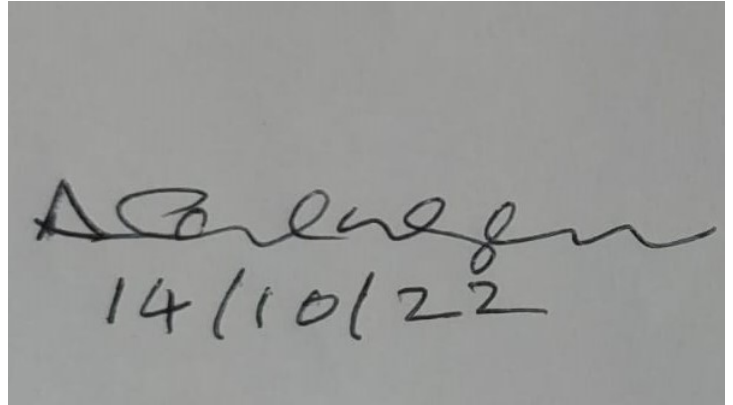
Thank you

The Head of Institute

A grey rectangular box containing a handwritten signature in black ink. The signature appears to be 'V.V. Rama Reddy' followed by a flourish. Below the signature, the date '14/10/22' is written.

Dr. V V RAMA REDDY,
Head of the Institution,
Lendi Institute of Engineering & Technology,
Vizianagaram, Andhra Pradesh

Nodal officer

A grey rectangular box containing a handwritten signature in black ink. The signature is cursive and appears to be 'A.V. Paramkusam'. Below the signature, the date '14/10/22' is written.

Dr. A.V.Paramkusam,
Nodal Officer,
Lendi Institute of Engineering & Technology,
Vizianagaram, Andhra Pradesh