

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	Yes

Contact:

Faculty Name:	Sovan Lal Das
Designation:	Associate Professor

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

Annual Performances of IIC Institute	Stars Secured
IIC 1.0 (2018-19)	1,2
IIC 2.0 (2019-20)	1.5
IIC 3.0 (2020-21)	1
IIC 4.0 (2021-22)	2

Contact:

IIC President of the Institute:	Prof Sunil Kumar P B
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Designation:

Director

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. Jacob Chandapillai	Advance	0

1.4) Participation in KAPILA/SIH Program

HEI Registered in the KAPILA Portal	U-0878	Yes
HEI Participated in the Smart India Hackathon (2022)	U-0878	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	Introduction to Engineering	ID1030	2020-21	Core Course	Bachelor	CSQUARE Innovation Lab	1	26-11-2020 00:00:00	06-02-2021 00:00:00
2	Concepts in Engineering Design and Introduction to Engineering	ID1050	2021-22	Core Course	,Bachelor	CSQUARE Innovation Lab	2	22-03-2022 00:00:00	29-04-2022 00:00:00

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
3	Open ended Lab	ID3801	2020-21	Elective Course	Bachelor	Interdisciplinary	3	01-02-2021 00:00:00	15-07-2021 00:00:00
4	Open Ended Lab	ID3801	2021-22	Elective Course	Bachelor	Interdisciplinary	3	05-01-2022 00:00:00	15-05-2022 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								

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	Innovation Cell	CSquare Innovation Lab	Dr Arvind Ajoy	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	Technology Innovation Foundation of IIT Palakkad(TECHIN)	Anuradha Shankar	CSR/Private, 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	Centre for Industry Collaboration and Sponsored Research	Dr. Santhakumar Mohan	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 Gr Rec (fr sou
1	Podium lift for physically disable people	Academic Research Assignment/Industry Sponsored Project	2021-22	TRL 6 : Prototype system tested in intended environment close to expected performance	Swaroop Sahoo	Faculty	0

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 Rec Sug 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
1	Kerala Infrastructure Investment Fund Board	Govt. Agency (State)	3	Active	17-08-2020
2	National Taiwan University, Taipei, Taiwan	Educational Institute	3	Active	29-03-2021
3	Centre for Development of Advanced Computing	Govt. Agency (Central)	5	Active	11-02-2021
4	University of Alberta, Canada	Educational Institute	1	Closed	22-09-2020
5	Bexel India Consulting LLP	Corporate/Industry Association	3	Active	24-06-2021
6	Kerala Highway Research Institute	Govt. Agency (State)	3	Active	13-07-2021
7	Kerala State Small Industries Association	Govt. Agency (State)	2	Active	12-10-2021
8	IHUB NTIHAC, IIT Kanpur	Educational Institute	3	Active	28-10-2021
9	Irrigation and Design Research Board	Govt. Agency (State)	2	Active	25-02-2022

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	Array Adaptive Ultrasound Apparatus for Variable Field of View Imaging	202141036310	11-08-2021
2	A Process for Preparation of Amino- Heterocyclics from Nitro Derivatives using Non-Noble Metal- Based Reagenta	202141037847	20-08-2021
3	Method of Eliminating Pull-In Instability and Hybrid Mems Actuator Incorporating the Method	202141046792	13-10-2021

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	202141046792	METHOD OF ELIMINATING PULL-IN INSTABILITY AND HYBRID MEMS ACTUATOR INCORPORATING THE METHOD	13-10-2021	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
2	202041001701	A NOVEL CLASS OF SEQUENCE-DEFINED POLYMERS AND PREPARATION METHODS THEREOF	14-01-2020	Published	2021	

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						

