

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. Abhishek Sahu
Designation:	Assistant Professor
Email ID:	abhi23hit@gmail.com
Mobile No.	9113939133

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. V. Ravichandiran
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Designation:	Director
Email ID:	director@niperrhajibur.ac.in
Mobile No.	9962506358

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. Debabrata Mandal	Basic	0
2	Dr. Krishna Murti	Basic	0
3	Dr. Sanjiv Singh	Basic	0
4	Dr. Nitesh Kumar	Basic	0
5	Dr. Murali Kumarasamy	Basic	0
6	Abhishek Sahu	Basic	0
7	Dr. Vinod Gaikwad	Basic	0
8	Dr. Vipin K Parihar	Basic	0
9	Sameer Dhingra	Basic	0
10	Dr. P Ramalingam	Basic	0
11	Dr. Abhishek Sahu	Basic	0

1.4) Participation in KAPILA/SIH Program

HEI Registered in the KAPILA Portal	U-1116	Yes
HEI Participated in the Smart India Hackathon (2022)	U-1116	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	Course Start Date	Course End Date
1	Fundamentals of intellectual property and Technology Management	GE-520	2021-22	Core Course	Master	NIPER Hajipur	1	04-10-2021 00:00:00	28-02-2022 00:00:00
2	Fundamentals of Intellectual Property Rights and Technology Management	GE-520	2020-21	Core Course	Master	NIPER Hajipur	1	31-10-2020 00:00:00	26-02-2021 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
1	Technological advancement and manufacturing of Biosimilars for Cancer therapy Present hurdles and Future prospects	2021-22	Faculty Development Program (FDP)	Central Govt. Agency	Pharmacology and Toxicology	21-06-2021 00:00:00

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
2	Four days onsite application workshop on LCHRMS based metabolomics	2021-22	Short-term Certificate Program	Industry/Non-Govt.	Pharmaceutical Analysis	14-06-2022 00:00:00

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	NIPER HJP Preincubation Facility	Dr. Abhishek Sahu	9113939133	abhi23hit@gmail.com	Mentoring Support,Pre Incubation Facility Support (Idea to Prototype and Innovati Business Plan Development),Incubati Facility Support (Innovative Business Model to Startup and Market Linkage & Growth Stage)

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

Sr. No.	Name of Unit	In-charge Name	Contact no	Email	Govt. Schemes
1	NIPER HJP Incubation Centre	Dr. Abhishek Sahu	9113939133	abhi23hit@gmail.com	Other Central/State Government

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	Technology Transfer Centre /TTO	IPR/Technology Transfer Cell	Dr. Debabrata Mandal	8335996348	debabrataman@gmail.com	Mentoring Support Incubation Facility Support (Idea Prototype and Business Plan Development Facility Support (Innovative Business Model to Start 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 Engage-ment of Team Lead in Institute
1	A CHEWING GUM DISSOLUTION APPARATUS FOR IMPROVED DRUG RELEASE STUDY	Academic Requirement/Study Project	2021-22	TRL 6 : Prototype system tested in intended environment close to expected performance	Dr. Nitesh Kumar	Faculty
2	A POLYHERBAL FAST DISSOLVING TABLET AGAINST DIABETIC NEUROPATHY	Academic Requirement/Study Project	2021-22	TRL 6 : Prototype system tested in intended environment close to expected performance	Dr. Nitesh Kumar	Faculty
3	DEVICE FOR BLOOD WITHDRAWAL FROM SAPHENOUS VEIN OF MICE FOR PHARMACOLOGICAL RESEARCH	Academic Requirement/Study Project	2020-21	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	Sanjiv singh	Faculty
4	AROMA INHALATION APPARATUS FOR SMALL ANIMALS TO BE USED IN PHARMACOLOGICAL EVALUATION OF AROMATIC SUBSTANCES.	Academic Requirement/Study Project	2020-21	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	Sanjiv singh	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
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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
1	ICMR-Rajendra Memorial Research Institute of Medical Sciences (RMRI), Agamkuan, Patna	Govt. Agency (Central)	2	Active	17-04-2021	View (/Uploa

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
2	Pranveer Singh Institute Of Technology (Pharmacy), Kanpur	Educational Institute	3	Active	19-08-2021	View (/Uploa
3	Langat Singh College, Muzaffarpur	Govt. Agency (State)	3	Active	16-08-2021	View (/Uploa
4	JSS Academy of Higher Education and Research, Mysuru	Educational Institute	3	Active	11-02-2021	View (/Uploa
5	Indira Gandhi Institute of Medical Sciences, Sheikhpura, Patna	Govt. Agency (State)	3	Active	05-12-2020	View (/Uploa
6	University of California, Irvine, USA	International Agency	3	Inactive	30-11-2020	View (/Uploa
7	United States Pharmacopoeia-India Pvt Ltd.	Corporate/Industry Association	2	Active	27-08-2022	View (/Uploa
8	Zuventus Healthcare Ltd. Pune	Corporate/Industry Association	3	Active	08-02-2022	View (/Uploa

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?
1	A chewing Gum Dissolution apparatus for improved drug release study	Design	354530-001	08-12-2021	No

7.2) Patents Filed by HEI

Sr. No.	Title/Name of Patent	IP Registration Number	Date of Filed/Published
1	A semi-automatic device for rodent marking and weighing in the laboratory with less manual interaction	202131025591	06-09-2021
2	Device for blood withdrawal from saphenous vein of mice for pharmacological research experiments	202031051834	27-11-2020
3	AROMA INHALATION APPARATUS FOR SMALL ANIMALS TO BE USED IN PHARMACOLOGICAL EVALUATION OF AROMATIC SUBSTANCES.	202131019201	26-04-2021
4	A POLYHERBAL FAST DISSOLVING TABLET AGAINST DIABETIC NEUROPATHY	2021103793	26-08-2021
5	POLYHERBAL FORMULATION FOR IMPROVING FERTILITY	202022102391	03-05-2022
6	A chewing Gum Dissolution apparatus for improved drug release study	2021110567886	07-12-2021

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	2021103793	A POLYHERBAL FAST DISSOLVING TABLET AGAINST DIABETIC NEUROPATHY	26-08-2021	Granted	2021	Co-Applicant	View
2	202022102391	POLYHERBAL FORMULATION FOR IMPROVING FERTILITY	03-05-2022	Granted	2022	Co-Applicant	View
3	202131025591	A semi-automatic device for rodent marking and weighing in the laboratory with less manual interaction	06-09-2021	Published	2021	Applicant	View
4	2021110567886	A CHEWING GUM DISSOLUTION APPARATUS FOR IMPROVED DRUG RELEASE STUDY	07-12-2021	Granted	2022	Co-Applicant	View
5	202131019201	AROMA INHALATION APPARATUS FOR SMALL ANIMALS TO BE USED IN PHARMACOLOGICAL EVALUATION OF AROMATIC SUBSTANCES.	26-04-2021	Published	2021	Applicant	View
6	202031051834	DEVICE FOR BLOOD WITHDRAWAL FROM SAPHENOUS VEIN OF MICE FOR PHARMACOLOGICAL RESEARCH EXPERIMENTS	27-11-2021	Published	2021	Applicant	View

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
7	354530-001	CHEWING GUM DISSOLUTION APPARATUS FOR IMPROVED DRUG RELEASE STUDY	12-08-2021	Published	2021	Co-Applicant	View

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	D T T
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 **Prof. V. Ravichandiran** (Head of Institute) and **Dr. Nitesh Kumar** (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

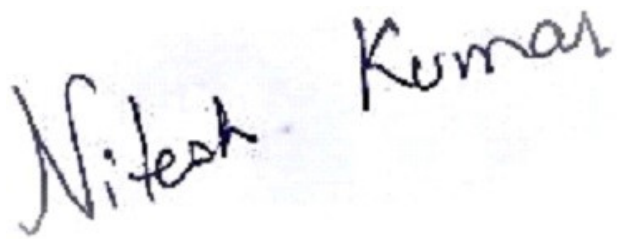
The Head of Institute



31-10-2022

Prof. V. Ravichandiran,
Head of the Institution,
National Institute of Pharmaceutical Education and
Research Hajipur,
Hajipur, Bihar

Nodal officer



31-10-2022

Dr. Nitesh Kumar,
Nodal Officer,
National Institute of Pharmaceutical Education and
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Hajipur, Bihar