

## 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. Gaurav Tyagi
Designation:	Assistant Professor
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Mobile No.	8860618076

### 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)	1,2,3,4
IIC 2.0 (2019-20)	1
IIC 3.0 (2020-21)	2.5
IIC 4.0 (2021-22)	1

#### Contact:

IIC President of the Institute:	Prof. Pawan K Dhar
Designation:	President
Email ID:	pawandhar@mail.jnu.ac.in
Mobile No.	9953345001

### 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. Hemant R Kushwaha	Advance	1
2	Gaurav Tyagi	Basic	0

### 1.4) Participation in KAPILA/SIH Program

HEI Registered in the KAPILA Portal	U-0109	No
HEI Participated in the Smart India Hackathon (2022)	U-0109	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	Total Duration of the Course (in Days)	Total Numbers of Contact Hours of the Course	Mode of Delivery
1	Innovation and Entrepreneurship Management	MB33406	2020-21	Core Course	Master	Atal Bihar Vajpayee School of Management and Entrepreneurship	3	01-09-2020 00:00:00	31-01-2021 00:00:00	153	72	Online
2	ENTREPRENEURSHIP THEORY AND PRACTICES	MB13401	2021-22	Elective Course	Master	Atal Bihari Vajpayee School of Management and Entrepreneurship	3	01-12-2021 00:00:00	30-04-2022 00:00:00	151	72	Online
3	Innovation Management and New Product Development	MB33215	2021-22	Elective Course	Master	Atal Bihari Vajpayee School of Management and Entrepreneurship	3	01-12-2021 00:00:00	30-04-2022 00:00:00	151	72	Online
4	Innovation IP and entrepreneurship	SSM621	2021-22	Elective Course	PhD	Centre of Social Medicine and Community Health (CSMCH) Social Sciences JNU	2	01-12-2021 00:00:00	30-04-2022 00:00:00	151	48	Online
5	ENTREPRENEURSHIP THEORY AND PRACTICES	MB13401	2021-22	Elective Course	Master	Atal Bihari Vajpayee School of Management and Entrepreneurship	3	01-12-2021 00:00:00	30-04-2022 00:00:00	151	72	Online

### 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 Ben Und Cert
1	1st Short Term Course on Entrepreneurship Innovation and Start Ups	2020-21	Faculty Development Program (FDP)	Central Govt. Agency	UGC- Human Resource Development Centre	23-08-2021 00:00:00	28-08-2021 00:00:00	6	63	Online	21

## 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
No Data Found						

### 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	Atal Incubation Centre-Jawaharlal Nehru University Foundation for Innovation	Hemant Ritturaj Kushwaha	8076369267	coordinator-iai@jnu.ac.in	AIM/NITI Ayog

### 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	IPM CELL	Prof. Suneel Kateriya	9312315704	skateriya@mail.jnu.ac.in	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	Contact No	Email	Total Grants Received (from all sources)	Grant Support Received from Institution/Incubation	Awards/Rec (National/In level) Received
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	Team Lead/Founder Name	Current Engagement of Team lead/Founder in Institute	DIN of Found Lead
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
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?
1	LEARNING PUZZLES FOR LEARNING LANGUAGE OF SCIENCE	Copy Right	L-92617/2020	07-07-2020	No

### 7.2) Patents Filed by HEI

Sr. No.	Title/Name of Patent	IP Registration Number	Date of Filed/Published
1	Engineered Magnetic Nanoparticles as Nucleic Acid Carriers for Transformation of Prokaryotes and Eukaryotes	202011016848	20-04-2020

### 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	202111059106	ON-SITE AND ROBUST QUANTIFICATION METHOD WITH VISUAL COLOR STRIP FOR DETECTION OF BISPHENOL-A IN MILK	17-12-2021	Published	2021		
2	202111056214	SELF-SUSTAINABLE POWER HARVESTING DEVICE	03-12-2021	Published	2021		
3	202111037242	MULTILAYER 2D MOS2 NANOFLOWERS AND PROCESS FOR SYNTHESIZING MOS2 NANOFLOWERS	17-08-2021	Published	2021		
4	202111025556	A REAL TIME GROSS SETTLEMENT (RTGS) TRANSACTION SYSTEM AND TRANSACTION METHOD THEREOF	08-06-2021	Published	2021		
5	202111025552	A SYSTEM AND METHOD FOR STRATEGIC CONSULTING GROUP (SCG) MATRIX	08-06-2021	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	View
6	202111022950	A REAL TIME GROSS SETTLEMENT (RTGS) TRANSACTION SYSTEM AND TRANSACTION METHOD THEREOF	23-05-2021	Published	2021		
7	202111022949	A SYSTEM AND METHOD FOR STRATEGIC CONSULTING GROUP (SCG) MATRIX	23-05-2021	Published	2021		
8	202021051210	A PHYTOCONSTITUENTS MEDIATED NANOCOMPOSITION FOR METASTATIC MAMMARY ADENOCARCINOMA	25-11-2020	Published	2020		
9	202011027461	A MULTI-TARGETED IRIIDIUM(III)-PLATINUM(IV) CONJUGATES AS POTENT ANTICANCER PRODRUGS TO OVERCOME DRUG RESISTANT CANCER	29-06-2020	Published	2020		
10	202011021298	ACRIFLAVINE HYDROCHLORIDE AS A POTENT HELICOBACTER PYLORI GROWTH INHIBITOR	20-05-2020	Published	2020		
11	202011019119	A NOVEL CAPACITIVE NANOBIOSENSOR FOR THE NON-ENZYMATIC DETECTION OF GLUCOSE AND ITS METHOD THEREOF	05-05-2020	Published	2020		
12	202011019014	A SKELETAL MUSCLE CELL-BASED MODEL SYSTEM FOR GNE MYOPATHY	04-05-2020	Published	2020		
13	202011017740	AN ANTIMICROBIAL FACE MASK USING NANOPARTICLE COATING	25-04-2020	Published	2020		
14	202011015827	PLASMA BIO-MARKERS FOR DIAGNOSIS AND PREDICTION OF ALS (AMYOTROPHIC LATERAL SCLEROSIS)	11-04-2020	Published	2020		
15	201911006324	METHOD AND POINT-OF-CARE DEVICE FOR PREDICTING TREATMENT RESPONSE FOR FIRST LINE OF TUBERCULOSIS DRUG REGIME	21-03-2020	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	View
16	201711040250	EFFICIENT AND SELECTIVE N-HALOACYLATION OF AMINES	10-11-2017	Granted	2020		
17	201711040249	EFFICIENT AND SELECTIVE N-HALOACYLATION OF AMINO ALCOHOLS	10-11-2017	Published	2019		
18	201811014098	Gold Nanoparticle-Based Detection of Low Molecular Weight AGEs from In Vitro Glycated Haemoglobin A0 Samples	04-12-2018	Published	2019		
19	201711020373	Bio-Engineered Mesoporous Dialysis Nano -Beads for the specific removal of excess body toxins, water & ions from kidney failure-	06-10-2017	Published	2019		
20	201811019105	Antibiotic Delivery System	22-05-2018	Published	2019		
21	2020102990	IPBE-Detect Quality of Works: intelligent process to detect employee's quality of works and notify it to authorities	23-10-2020	Published	2020		
22	201811009557	Pyrolysis Reactor for Biochar Production from agricultural Residues-	15-03-2018	Granted	2019		
23	201711038137	A NOVEL ELECTROCHEMICAL SENSING PLATFORM FOR DETECTION OF BIOLOGICAL ELEMENTS	27-10-2017	Published	2019		
24	201811028297	ON-CHIP NUCLEAR MAGNETIC RESONANCE PROBE	27-07-2018	Published	2020		
25	PCT/IB2019/054179	ANTIBIOTIC DELIVERY SYSTEM	28-11-2019	Published	2019		
26	201611029865	HYDROGEN ION IMPLANTED ENZYME-FREE CLAY BASED CHOLESTEROL SENSOR	01-09-2016	Granted	2020		
27	201711038138	A NOVEL METHOD TO DETECT IL-8 USING ELECTROCHEMICAL SENSING PLATFORM	27-10-2017	Published	2019		
28	201811011902	A HIGH GAIN CIRCULAR POLARIZED ANTENNA AND METHOD OF MANUFACTURE THEREOF	29-03-2018	Published	2019		

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
29	201811011814	A CIRCULARLY POLARIZED ANTENNA	29-03-2018	Published	2019		
30	201711036999	A NOVEL ADJUVANT	18-10-2017	Published	2019		
31	201711036889	A NOVEL ANTHRAX VACCINE	17-10-2017	Published	2019		
32	201911043317	Dual Stimuli Responsive Magnetic Nanoparticles for Sustained Drug Release	03-09-2021	Published	2021	Applicant	<a href="#">View (/Uploads/Institute/PatentFiledNew/ARI-U-010</a>
33	464/DEL/2010	A pregnane and xenobiotic receptor (PXR)-promoter-reporter construct and a process for preparation of a stably integrated PXR-promoter-reporter construct-cell line therefrom.	03-03-2010	Granted	2020	Applicant	<a href="#">View (/Uploads/Institute/PatentFiledNew/ARI-U-010</a>
34	202111037279	Single-cell spheroid development methods standardized for heterogeneity analysis in head and neck cancer	01-08-2021	Published	2021	Applicant	<a href="#">View (/Uploads/Institute/PatentFiledNew/ARI-U-010</a>
35	323771-001	TEACHING AID SET	19-11-2019	Published	2019	Applicant	<a href="#">View (/Uploads/Institute/PatentFiledNew/ARI-U-010</a>
36	323772-001	TEACHING GAME SET	19-11-2019	Granted	2019	Applicant	<a href="#">View (/Uploads/Institute/PatentFiledNew/ARI-U-010</a>

#### 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 **Prof. SANTISHREE DHULIPUDI PANDIT** (Head of Institute) and **Mr. Sanjeev 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

Nodal officer

*Santishree Pandit*  
12/10/22

Upload Signature with Date

Prof. SANTISHREE DHULIPUDI PANDIT,  
Head of the Institution,  
Jawaharlal Nehru University,  
New Delhi, Delhi

*Sanjeev Kumar*  
12/10/2022

Upload Signature with Date  
Mr. Sanjeev Kumar,  
Nodal Officer,  
Jawaharlal Nehru University,  
New Delhi, Delhi

सजीव कुमार / SANJEEV KUMAR  
निदेशक (संचार एवं सूचना सेवाएँ)  
Director (Communication & Information Services)  
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