

## 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. Manpreet Kaur
Designation:	Associate Professor and HOD Research and Innovation
Email ID:	hod_ric@bbsbec.ac.in
Mobile No.	9814818606

## 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)	0
IIC 3.0 (2020-21)	2
IIC 4.0 (2021-22)	2

### Contact:

IIC President of the Institute:	Dr. Manpreet Arora
Designation:	Head Research and Innovation Center
Email ID:	manpreet.arora@bbsbec.ac.in
Mobile No.	9814818606

## 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. Manpreet Kaur	Basic	2
2	Dr. Harmesh Kumar	Basic	0
3	Prof. Arishu Kaushik	Basic	0

Sr. No.	Name of the Faculty IA	Level of Training	No of I&E Expert Talks/Sessions Conducted
4	Dr.Rajni Bala	Basic	0
5	Prof. Amanjot Kaur	Basic	0
6	Dr. Sonia	Basic	0
7	Prof. Manpreet Kaur	Basic	0
8	Prof. Navneet Kaur Panag	Basic	0
9	Dr. Raju Sharma	Basic	0

#### 1.4) Participation in KAPILA/SIH Program

HEI Registered in the KAPILA Portal	C-10277	Yes
HEI Participated in the Smart India Hackathon (2022)	C-10277	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	Marketing Research	MBA302-18	2021-22	Core Course	Master	MBA	4	16-08-2022 00:00:00	10-12-2022 00:00:00	117	50	Offline
2	Research Methodology and IPR	TRM101-18	2021-22	Core Course	Master	ELECTRICAL ENGINEERING DEPARTMENT	3	22-08-2022 00:00:00	10-12-2022 00:00:00	111	40	Offline
3	Research Methodology and IPR	TRM101-18	2021-22	Core Course	Master	COMPUTER SCIENCE AND ENGINEERING	3	22-08-2022 00:00:00	10-12-2022 00:00:00	111	40	Offline
4	Research Methodology and IPR	TRM101-18	2021-22	Core Course	Master	ELECTRONICS AND COMMUNICATION DEPARTMENT	3	22-08-2022 00:00:00	10-12-2022 00:00:00	111	40	Offline
5	Entrepreneurship and Project Management	MBA207-18	2021-22	Core Course	Master	MBA	4	02-02-2022 00:00:00	31-05-2022 00:00:00	119	40	Offline
6	Enterpreneurship	5.GV.07	2021-22	Core Course	Bachelor	Mechanical Engineering	3	01-02-2022 00:00:00	31-05-2022 00:00:00	120	40	Offline

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
7	Entrepreneurship	5.GV.07	2020-21	Core Course	Bachelor	Mechanical Engineering	3	02-02-2021 00:00:00	31-05-2021 00:00:00	119	40	Offline
8	Entrepreneurship Development and Business Management	BTAG607-19	2021-22	Core Course	Bachelor	Agriculture Engineering	3	01-02-2022 00:00:00	31-05-2022 00:00:00	120	40	Offline

## 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 Number of Beneficiaries/ Undergone the Certificate Program
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	BBSBEC Pre-Incubation Center	Arishu Kaushik	9815544108	arishu.kaushik@bbsbec.ac.in	Mentoring 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	BBSBEC INCUBATION CENTER	MANPREET KAUR	9814818606	manpreet.arora@bbsbec.ac.in	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	BBSBEC IPR CENTER	MANPREET KAUR	9814818606	manpreet.arora@bbsbec.ac.in	Mentoring Support,Pre-Incubation Facility Support (Idea to Prototype and Innovative Business Plan Development),Incubation Facility Support (Innovative Business Model to Startup and 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 Engagement of Team Lead in Institute	Contact No	Email	Total Grants Received (from all sources)	Grant Support Received from Institution/Incubation	Awards/R (National, level) Rec
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	DIT of Fo Le:
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	Science & Technology Entrepreneurs' Park, Guru Nanak Dev Engineering College (STEP-GNDEC)	Govt. Agency (Central)	2	Active	06-10-2022	<a href="#">View (/Uploads/Institute/ARI-C-10277/2021-22/CollaboratExternalAgen</a>

## 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	JUNCTION BOX	Design	322284-001	30-09-2022	No

## 7.2) Patents Filed by HEI

Sr. No.	Title/Name of Patent	IP Registration Number	Date of Filed/Published
1	DUAL POWERED SHOE CUM SKATE WITH MOBILE CHARGING	201911049455	31-03-2022
2	PRINTED MONOPOLE FRACTAL ANTENNA WITH SWITCHABLE ATTENUATION BETWEEN WI-MAX AND WLAN APPLICATIONS	201811004316	02-02-2022

## 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	202111031883	SYSTEM AND METHOD OF MONITORING AND PREVENTING THE SPREAD OF INFECTIOUS VIRUS	15-07-2021	Published	2021		
2	202111000590	A SYSTEM AND METHOD FOR HASSLE FREE AND SECURE MONETARY TRANSACTIONS BETWEEN ACCOUNTS	01-06-2021	Published	2021		
3	202011024061	INSECT SPECIES CLASSIFICATION METHOD	06-08-2020	Granted	2021		
4	2020102637	A Technique for Traffic predictions and Congestion control in IOT networks using Machine Learning	01-01-2017	Granted	2020		

<b>Sr. No.</b>	<b>Patent Registration Application No</b>	<b>Patent Title</b>	<b>Patent Application Date</b>	<b>Status of Patent Applications</b>	<b>Patent Published / Granted Calendar Year</b>	<b>Institute applied the Patent as</b>	<b>View</b>
5	2020102726	A safety system and method for tracking or monitoring location and health parameters of user	14-10-2020	Granted	2020		
6	184/DEL/2013	EROSION CORROSION RESISTANT COLD SPRAY COATINGS FOR BOILERS Ni-20CrTiCr	23-01-2013	Granted	2019		
7	201811004316	Printed Monopole Fractal Antenna with Switchable Attenuation between Wi-Max and Wlan Applications	05-02-2018	Published	2019		
8	202111031883	SYSTEM AND METHOD OF MONITORING AND PREVENTING THE SPREAD OF INFECTIOUS VIRUS	15-07-2021	Published	2021		
9	202111000590	A SYSTEM AND METHOD FOR HASSLE FREE AND SECURE MONETARY TRANSACTIONS BETWEEN ACCOUNTS	01-06-2021	Published	2021		
10	202011024061	INSECT SPECIES CLASSIFICATION METHOD	06-08-2020	Granted	2021		

#### 7.4) IP Commercialized and Transferred to Industry/Startup

<b>Sr. No.</b>	<b>Name of Technology Licenced/Transferred/Commercialized</b>	<b>Technology Type</b>	<b>Patent/Licence Holder name (Institute Co-ownership is Must)</b>	<b>Technology Transferred to</b>	<b>Name of Licensee</b>	<b>Date of Transferred Technology</b>
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,**

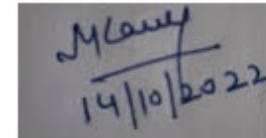
Herewith, myself **Dr. Lakhvir Singh** (Head of Institute) and **Dr. Manpreet Kaur** (Nodal Officer) jointly declaring on behalf of our institute is that all the information submitted are true and correct to best of our knowledge.

Thank you

The Head of Institute



Nodal officer



Dr. Lakhvir Singh,  
Head of the Institution,  
Baba Banda Singh Engg. College, Fatehgarh Sahib,  
Fatehgarh Sahib, Punjab

Dr. Manpreet Kaur,  
Nodal Officer,  
Baba Banda Singh Engg. College, Fatehgarh Sahib,  
Fatehgarh Sahib, Punjab