

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	Yes

Contact:

Faculty Name:	Karan Babbar
Designation:	Department Coordinator, Department of Civil & Petroleum Engineering

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)	1
IIC 4.0 (2021-22)	3

Contact:

IIC President of the Institute:	Prof. (Dr.) Vivek Kumar
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Designation:

Vice Chancellor

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. Saras Verma	Basic	0
2	Dr. S S Shekhawat	Basic	0
3	Vaibhav Rathi	Basic	0
4	Dr. Chandani Sharma	Basic	0
5	Naveen Rana	Basic	7
6	Mahesh Mishra	Basic	0
7	Abhishek Kumar	Basic	0
8	Dr. Ram Singh	Basic	0
9	Karan Babar	Basic	0
10	Dr. Aditya Lama	Basic	0
11	Dr. Swati Rawat	Basic	0
12	Shruti Rawat	Basic	0
13	M. Kannan	Basic	0
14	M. Kannan	Advance	0

1.4) Participation in KAPILA/SIH Program

HEI Registered in the KAPILA Portal	U-0950	Yes
HEI Participated in the Smart India Hackathon (2022)	U-0950	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	Cou End Dat
1	Entrepreneurship Development and Management	ME1602	2020-21	Core Course	Diploma	Department of Mechanical Engineering	3	02-02-2021 00:00:00	30-02-2021 00:00:00
2	Entrepreneurship Development and Management	ME1603	2021-22	Core Course	Diploma	Mechanical Engineering	3	08-02-2022 00:00:00	05-02-2022 00:00:00
3	Entrepreneurship Development and Business Communication	AG3603	2021-22	Core Course	Bachelor	School of Agricultural Studies	2	09-02-2022 00:00:00	05-02-2022 00:00:00
4	Entrepreneurship Development	BB3602	2021-22	Elective Course	Bachelor	Commerce	4	09-02-2022 00:00:00	05-02-2022 00:00:00
5	Entrepreneurship Development	BB3602	2021-22	Core Course	Bachelor	BBA	4	19-02-2022 00:00:00	14-02-2022 00:00:00
6	Entrepreneurial Environment in India	BB3011	2021-22	Core Course	Bachelor	BBA-Minor	3	19-02-2022 00:00:00	14-02-2022 00:00:00
7	E-Commerce	BB3015	2021-22	Core Course	Bachelor	BBA-Minor	3	19-02-2022 00:00:00	01-02-2022 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	Cou End Dat
8	Start-up Schemes and Project Preparation	BB3016	2021-22	Core Course	Bachelor	BBA-Minor	3	19-02-2022 00:00:00	14-02-2022 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
1	Workshop on Intellectual Property Rights (IPRs) and IP management for start	2020-21	Short-term Certificate Program	Self Sponsored/Supported	The Genesis-Quantum Innovation Council	14-09-2021 00:00:00
2	Scientific writing and Intellectual property right	2021-22	Short-term Certificate Program	Self Sponsored/Supported	The Genesis-Quantum Innovation Council	26-03-2022 00:00:00
3	STARTUP ENCLAVE CUM PROJECT EXPO 2022	2021-22	Short-term Certificate Program	Self Sponsored/Supported	The Genesis-Quantum Innovation Council	04-04-2022 00:00:00
4	Workshop on National Intellectual Property Awareness Mission (NIPAM)	2021-22	Short-term Certificate Program	Self Sponsored/Supported	The Genesis-Quantum Innovation Council	05-04-2022 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
5	Entrepreneurship Awareness Camp	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	The Genesis-Quantum Innovation Council	01-09-2020 00:00:00
6	Entrepreneurship Awareness Camp	2020-21	Short-term Certificate Program	Self Sponsored/Supported	The Genesis Quantum Innovation Council	01-03-2021 00:00:00
7	Entrepreneurship Awareness Camp	2020-21	Entrepreneurship Development Program (EDP)	Self Sponsored/Supported	The Genesis-Quantum Innovation Council	01-09-2021 00:00:00
8	Entrepreneurship Awareness Camp	2021-22	Entrepreneurship Development Program (EDP)	Self Sponsored/Supported	The Genesis-Quantum Innovation Council	01-02-2022 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	Govt. Schemes
1	Innovation Cell	QU Innovation Council	Naveen Rana	Mentoring Support,Seed Grant 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),Investment - Angel a

3.2) Existence of Incubation Facility (>= 1500 Sq. Ft. Floor Area)

Sr. No.	Name of Unit	In-charge Name	Govt. Schemes
No Data Found			

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
No Data Found				

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 Grants Received (from all sources)	Grant S Receive Institut
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 Sta Rec Sup fro Inc uni Inst
1							0

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	CSRBOX	Non Govt. Agency	4 Yr	Active	10-08-2020
2	Ashok Leyland	Non Govt. Agency	3 Yr	Active	30-06-2021
3	SIEMENS	Corporate/Industry Association	4 Yr	Active	20-07-2021
4	Just Agriculture	Non Govt. Agency	3 Yr	Active	20-12-2021
5	ICT Academy	Non Govt. Agency	1 Yr	Active	20-11-2020
6	UI Path Academic Alliance	Non Govt. Agency	1 Yr	Active	28-09-2021
7	Evon Technologies Pvt. Ltd.	Non Govt. Agency	5 Yr	Active	11-05-2022
8	ITI, KALSI Dehradun	Educational Institute	5 Yr	Active	01-08-2022
9	ITI, Vikas Nagar	Educational Institute	5 Yr	Active	22-07-2022
10	ITI, Rajpur Road Dehradun	Educational Institute	5 Yr	Active	25-08-2022
11	iNurture Education Solution Pvt. Ltd.	Non Govt. Agency	5 Yr	Active	02-05-2022
12	Hindustan Krishi Anusandhan Kalyan Sansthan	Non Govt. Agency	3 Yr	Active	22-02-2022
13	Medigram The Super Speciality Hospital	Non Govt. Agency	3 Yr	Active	30-06-2022
14	Siliconmedia.Org	Non Govt. Agency	5	Active	22-07-2022
15	Cialfor Research Labs (P) Limited	Non Govt. Agency	4	Active	13-09-2022
16	Automation Anywhere	Non Govt. Agency	3 Yr	Active	10-02-2020

Sr. No.	Collaborated Agency Name	Collaborated Agency Type	Period of Collaboration (No. of Years)	Current Status of Collaboration	Date of MOU / Agreement Signed on
17	Pearson	International Agency	1 Yr	Active	10-03-2021

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
No Data Found			

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	"2020102384 (Australian)"	A COLLABORATIVE MINING NETWORK (CMN) TO EXECUTE COMPUTATIONALLY INTENSE MINING TASKS IN MOBILE BLOCKCHAIN	20-10-2020	Granted	2020	Other(Individual)

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	"2020102383 (Australian)"	GEOGRAPHICAL DATA VISUALIZATION AND DIMENSION REDUCTION BY UNSUPERVISED LOCALLY LINEAR EMBEDDING (LLE) LEARNING ALGORITHM	21-10-2020	Granted	2020	Other(Individual)
3	"2020103294 (Australian)"	Trusted and secure configuration and validation of data for public IoT devices using block chain technology	23-12-2020	Granted	2020	Other(Individual)

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 of Transfer
1	SYSTEM COMPRISING SMART AI MIRROR	IP/Patented Technology	Quantum University, Roorkee	Start-up	Dazeinfinty Private Limited	13-
2	WRAPPING PAPER ROLL CUTTER	IP/Patented Technology	Quantum University, Roorkee	Industry	RAMAA SHYAMA PAPERS PRIVATE LIMITED	27-
3	ADVANCED FILTERING DEVICE USED IN COFFEE MAKER AND IMPROVEMENT OF DOUBLE FILTER BASKET	IP/Patented Technology	Quantum University, Roorkee	Industry	The Brew Estate, Dehradun	30-
4	ADVANCED HOT BEVERAGE PACKING CONTAINER	IP/Patented Technology	Quantum University, Roorkee	Industry	The Brew Estate, Dehradun	30-

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 Transfer
5	MULTI-TASKING POINTING TOOL (TROWEL, V-GROOVE POINTING, RECESSED POINTING AND STRUCK POINTING)	IP/Patented Technology	Quantum University, Roorkee	Industry	Alex Panels	18-

