











**List all the departments / centers / units are part of innovation and startup ecosystem of the institute**

48	Dr Harvansh Singh Judge Institute Of Dental Sciences and Hospital	Academic Department with lab facility	Oral Health Care i.e. Dentistry with all its specialities.	UG / PG / PhD	Technical	486	76	93
49	IIC	Pre-incubation unit	Engineering	At all level	Technical	300	0	0
50	Design Innovation Centre	Centre of Excellence with Advance Tools & Equipment	Engineering	At all level	Technical	503	4	7
51	School of Punjabi Studies	Research Unit / Park	Multidisciplinary: Academics, Research, Translation and Lexicography	At all level	Non-Technical	59	6	12
52	Institution Innovation Council	Academic Department with lab facility	Pharmaceutical Science	UG / PG / PhD	Technical	369	25	42
53	Centre for advanced studies in Zoology	Academic Department with lab facility	Biodiversity, Parasitic therapeutics and Molecular Cytogenetics	UG / PG / PhD	Non-Technical	221	10	27
54	University Institute of Fashion Technology	Academic Department with lab facility	Sector of Focus: Fashion Industry. Multidisciplinary: Textile Science, Design Process, Garment Production, CAD, Journalism, Photography, Marketing and Merchandizing.	UG / PG / PhD	Both	178	11	3
55	Department of Hindi	Research Unit / Park	Literature and Translation	At all level	Non-Technical	236	5	5
56	Department of English and Cultural Studies	Academic Department with lab facility	English & Cultural Studies	UG / PG / PhD	Non-Technical	148	9	10
57	University Institute of Engineering and Technology	Academic Department with lab facility	Engineering	UG / PG / PhD	Technical	2600	213	38
58	Panjab University Regional Centre Muktsar	Academic Department with lab facility	Multidisciplinary	UG / PG / PhD	Both	318	15	18
59	Department of psychology	Academic Department with lab facility	psychology	At all level	Non-Technical	204	5	6
60	Department of Economics	Academic Department with lab facility	Economics	UG / PG / PhD	Non-Technical	361	15	12
61	Centre for System Biology and Bioinformatics	Academic Department with lab facility	Network Systems Biology	UG / PG / PhD	Non-Technical	26	3	0
62	Department of Defence and National Security Studies	Academic Department with lab facility	Defence and National Security Studies	At all level	Non-Technical	217	5	10
63	Department of Laws	Academic Department with lab facility	Laws	UG / PG / PhD	Non-Technical	942	16	0



**List all the departments / centers / units are part of innovation and startup ecosystem of the institute**

70	Centre for Industry Institute Partnership Programme	IPR Cell / Patent Facilitation Unit / Technology Transfer Centre	To generate adequate intellectual and financial resources for the mutual benefit of industry and society by focusing on integrated research, planning, curriculum development and instructional software preparation in the areas of science, technology and humanities. To organize and promote formal, non-formal, flexible, modular, training programmes in the emerging areas of knowledge and research and in Rural Development, Educational Planning, Information and Management Sciences. To org	Not Allowed	Not Allowed	0	0	0
71	DST-Centre for Policy Research at Panjab University	Research Unit / Park	Policy research	Not Allowed	Not Allowed	0	7	2

**Participation of HEI in Innovation & Entrepreneurship Initiatives of Ministry of Education (Till Today)**

Programs/Initiatives	Status	Registration ID
Adopted National Innovation and Start-up Policy at the HEI	Yes	Not Required
Establishment of Institution's Innovation Council (IIC) at HEI	YES	IIC Registration ID : IC201810617
Trained Innovation Ambassadors at HEI	YES	Not Required
Participation in Smart India Hackathon (SIH)	Yes	Not Required
Facilitated listing start-ups/ technologies in Young India combating COVID with Knowledge, Technology and Innovation (YUKTI 2.0) portal of MIC	Yes	Not Required
Participation in National Education Alliance of Technology (NEAT)		



**Section 1 > i : Details of Co-curricular events/programs related to Innovation, IPR and Entrepreneurship/Start-up Conducted by the HEI**


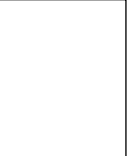

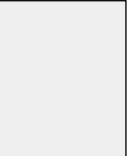










1	Intern Fair 2019	Entrepreneurship/Startup	Start-up Conclave	Institute Lead Activity	University Institute of Engineering and Technology Panjab University Chandigarh	13-04-2019 00:00:00	14-04-2019 00:00:00	2	Within Campus	40	5	2	2	49	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	28500	No
2	Orientation Programme for GCET Jammu Students	Entrepreneurship/Startup	Awareness	Institute Lead Activity	University Institute of Engineering and Technology, Panjab University, Chandigarh	11-07-2019 00:00:00	13-07-2019 00:00:00	3	Within Campus	0	5	80	20	105	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	10000	No
3	Expert lecture on "Power Quality Issues in Power Systems"	Innovation	Awareness	Institute Lead Activity	University Institute of Engineering and Technology, Panjab University, Chandigarh	19-08-2019 00:00:00	19-08-2019 00:00:00	1	Within Campus	50	20	10	10	90	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	11500	No
4	Expert Talk on Vaccine Formulation	Innovation	Mentoring Session	Institute Lead Activity	University Institute of Engineering and Technology, Panjab University, Chandigarh	28-08-2019 00:00:00	28-08-2019 00:00:00	1	Within Campus	50	80	20	20	170	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	15500	No
5	Expert lecture "Fuzzy Logic and Application"	Innovation	Awareness	Institute Lead Activity	University Institute of Engineering and Technology, Panjab University, Chandigarh	29-08-2019 00:00:00	29-08-2019 00:00:00	1	Within Campus	0	40	0	0	40	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	15500	No

**Section 1 > i : Details of Co-curricular events/programs related to Innovation, IPR and Entrepreneurship/Start-up Conducted by the HEI**

6	Seminar on Emerging Research trends in Nanotechnology for Engineers	Entrepreneurship/Startup	Seminar	Institute Lead Activity	University Institute of Engineering Technology, Panjab University, Chandigarh	23-09-2019 00:00:00	23-09-2019 00:00:00	1	Within Campus	80	20	10	10	120	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	25500	No
7	Workshop on Spectroscopy	Innovation	Workshop	Institute Lead Activity	University Institute of Engineering Technology, Panjab University, Chandigarh	09-10-2019 00:00:00	09-10-2019 00:00:00	1	Within Campus	0	40	0	0	40	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	17800	No
8	CANNABLE 3.0	Innovation	Boot camp	Institute Lead Activity	UIET PU Chandigarh	12-10-2019 00:00:00	12-10-2019 00:00:00	1	Within Campus	40	5	15	0	60	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	15500	No
9	Expert Lecture on Innovations	Innovation	Mentoring Session	Institute Lead Activity	UIET PU Chandigarh	14-10-2019 00:00:00	14-10-2019 00:00:00	1	Within Campus	40	5	15	0	60	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	28500	No
10	Expert Lecture on Innovation Day	Innovation	Mentoring Session	Institute Lead Activity	UIET PU Chandigarh	16-10-2019 00:00:00	16-10-2019 00:00:00	1	Within Campus	50	80	20	20	170	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	25500	No
11	Expert Lecture on "Robotics 2 Rural Innovative teaching and Research Approaches	Innovation	Awareness	Institute Lead Activity	UIET PU Chandigarh	22-10-2019 00:00:00	22-10-2019 00:00:00	1	Within Campus	50	20	10	10	90	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	15500	No



**Section 1 > i : Details of Co-curricular events/programs related to Innovation, IPR and Entrepreneurship/Start-up Conducted by the HEI**

19	Expert Lecture on CRDi Technology	Innovation	Awareness	Institute Lead											 	
															 	
															 	
															 	
															 	
															 	
															 	

**Section 1 > i : Details of Co-curricular events/programs related to Innovation, IPR and Entrepreneurship/Start-up Conducted by the HEI**

26	"Maintenance of computer hardware software and networking" Workshop	Innovation	Mentoring Session	Institute Lead Activity	UIET PU Chandigarh	19-02-2020 00:00:00	19-02-2020 00:00:00	1	Within Campus	20	70	0	30	120	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	27800	No
27	Expert Lecture on Demand Side Management	Innovation	Awareness	Institute Lead Activity	UIET PU Chandigarh	12-03-2020 00:00:00	12-03-2020 00:00:00	1	Within Campus	0	30	0	0	30	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	18700	No
28	Workshop on Design and Innovation	Entrepreneurship/Innovation	Workshop	Institute Lead Activity	UIET PU Chandigarh	08-06-2019 00:00:00	09-06-2019 00:00:00	2	Within Campus	80	150	20	0	250	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	302750	No
29	Principles of Design	Innovation	Mentoring Session	Institute Lead Activity	UIET PU Chandigarh	25-06-2019 00:00:00	29-06-2019 00:00:00	5	Within Campus	100	80	10	20	210	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	23160	No
30	Whole Mouth Health-Current Status and Future Directions	Innovation	Mentoring Session	Institute Lead Activity	UIET PU Chandigarh	08-07-2019 00:00:00	12-07-2019 00:00:00	5	Within Campus	50	20	10	10	90	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	465000	No
31	One Week Seminar Camp on Tinkerable Projects"	Innovation	Seminar	Institute Lead Activity	UIET PU Chandigarh	17-11-2019 00:00:00	17-11-2019 00:00:00	1	Within Campus	50	100	0	50	200	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	455000	No
32	Startup and Incubation Workshop in Medical Devices & Restorative Technology	Innovation	Workshop	Institute Lead Activity	Panjab University, Chandigarh	15-02-2020 00:00:00	15-02-2020 00:00:00	1	Within Campus	80	150	20	0	250	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	31000	No

**Section 1 > i : Details of Co-curricular events/programs related to Innovation, IPR and Entrepreneurship/Start-up Conducted by the HEI**

33	Practical exposure regarding the development of a pilot plant and its expansion into fully fledged unit. Innate information on the wet and dry granulation procedures, tableting and capsule filling was practically demonstrated via the means of established	Innovation	Exposure visit	Institute Lead Activity	Institution Innovation Council (IIC), UIPS	11-06-2019 00:00:00	12-06-2019 00:00:00	2	Within Campus	50	2	0	0	52	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	1800	No
34	Role of Separation Technologies in Setting Pharmacopoeia Standards	Entrepreneurship/Start-up	Workshop	Institute Lead Activity	Institution Innovation Council (IIC), UIPS	23-09-2019 00:00:00	23-09-2019 00:00:00	1	Within Campus	180	20	0	0	200	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	3300	No
35	Chemical Fingerprinting of Ayurvedic Drugs & Formulations by HPTLC/HPLC	Entrepreneurship/Start-up	Workshop	Institute Lead Activity	Institution Innovation Council (IIC), UIPS	23-09-2019 00:00:00	23-09-2019 00:00:00	1	Within Campus	40	20	0	0	60	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	3500	No
36	Flash Chromatography	Entrepreneurship/Start-up	Workshop	Student Lead Activity	Institution Innovation Council (IIC), UIPS	24-09-2019 00:00:00	24-09-2019 00:00:00	1	Within Campus	30	7	0	0	37	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	3300	No
37	HPTLC - Basics, HPTLC, Demonstration and Hands-on on HPTLC	Entrepreneurship/Start-up	Workshop	Institute Lead Activity	Institution Innovation Council (IIC), UIPS	24-09-2019 00:00:00	24-09-2019 00:00:00	1	Within Campus	180	20	0	0	200	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	10000	No



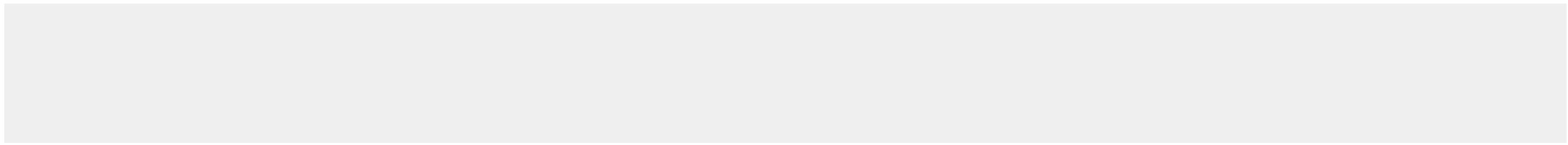
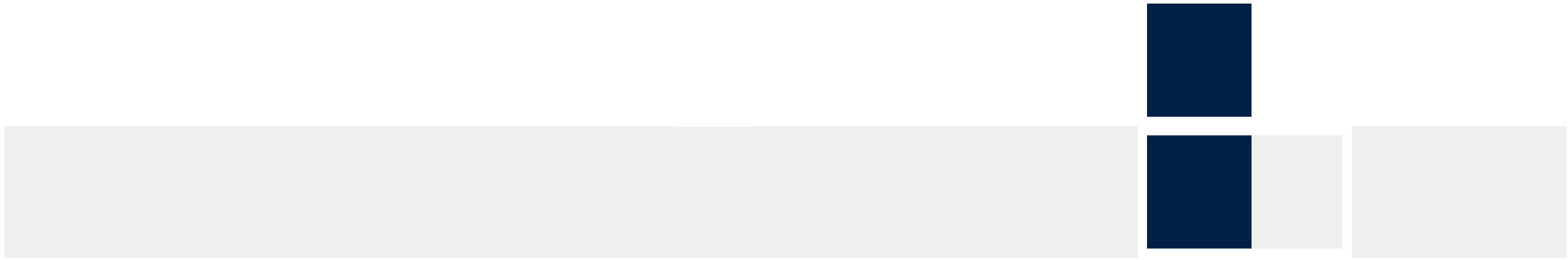
**Section 1 > i : Details of Co-curricular events/programs related to Innovation, IPR and Entrepreneurship/Start-up Conducted by the HEI**

45	new perspective building in the limitless domain of pharmacology and development of novel therapies .	Innovation	Awareness	Institute Lead Activity	Institution Innovation Council (IIC), UIPS	23-10-2019 00:00:00	23-10-2019 00:00:00	1	Within Campus	100	3	0	0	103	No	No	
46	Expeditions into the yet unknown aspects governing the cancer manifestations and deploy the learnings for the benefit of mankind.	Innovation	Workshop	Institute Lead Activity	Institution Innovation Council (IIC), UIPS	25-11-2019 00:00:00	25-11-2019 00:00:00	1	Within Campus	30	4	0	0	34	No	No	
47	Novel Drug Discoveries and Polymer-Linked Prodrugs for Colon Cancer	Entrepreneurship/Startup	Workshop	Institute Lead Activity	Institution Innovation Council (IIC), UIPS	27-01-2020 00:00:00	27-01-2020 00:00:00	1	Within Campus	180	20	0	0	200	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	3700	No
48	Applications of Radiopharmaceuticals in Medicine	Entrepreneurship/Startup	Workshop	Institute Lead Activity	Institution Innovation Council (IIC), UIPS	27-01-2020 00:00:00	27-01-2020 00:00:00	1	Within Campus	40	10	0	0	50	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	3300	No
49	Technologies in Molecular Modeling for Drug Design, Discovery and Development	Entrepreneurship/Startup	Workshop	Institute Lead Activity	Institution Innovation Council (IIC), UIPS	29-01-2020 00:00:00	29-01-2020 00:00:00	1	Within Campus	40	10	0	0	50	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	20377	No
50	The past, present and future of quinoline based antimalarial drugs	Entrepreneurship/Startup	Workshop	Institute Lead Activity	Institution Innovation Council (IIC), UIPS	29-01-2020 00:00:00	29-01-2020 00:00:00	1	Within Campus	40	10	0	0	50	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	28283	No









**Section 1 > i : Details of Co-curricular events/programs related to Innovation, IPR and Entrepreneurship/Start-up Conducted by the HEI**








69	Plastic Tide Turner Challenge	IPR	Awareness	Institute Lead Activity	Department Community Education and Disability Studies, Panjab University Chandigarh In partnership with WWF-India and UN Environment in Collaboration with state legal services authority, UT, Chandigarh, Department of Environment Chandigarh													

**Section 1 > i : Details of Co-curricular events/programs related to Innovation, IPR and Entrepreneurship/Start-up Conducted by the HEI**


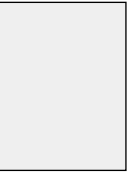



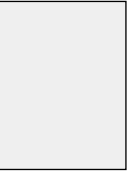



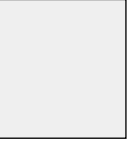




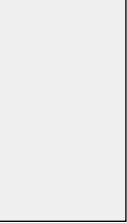
71	Intensive Training Workshop on Essentials of Child Psychology	IPR	Workshop	Institute Lead Activity	Psychowaves in association with Department of Community Education and Disability Studies, Panjab University, Chandigarh	05-09-2019 00:00:00	07-09-2019 00:00:00	3	Within Campus	0	5	60	0	65	No	No	
72	Certified Training on Cognitive Behavioral Therapy	IPR	Training	Institute Lead Activity	Psychowaves in association with Department of Community Education and Disability Studies, Panjab University, Chandigarh	05-10-2019 00:00:00	06-10-2019 00:00:00	2	Within Campus	0	4	70	0	74	No	No	
73	Ved Ki Vishwatmak Drishti	Innovation	Seminar	Institute Lead Activity	Dayanand Chair for Vedic Studies	20-11-2019 00:00:00	20-11-2019 00:00:00	1	Within Campus	38	1	29	2	70	No	No	
74	One-day Workshop on 'Patents' and 'Copyrights'	IPR	Workshop	Institute Lead Activity	DST-Centre for Policy Research at Panjab University, Chandigarh	08-02-2020 00:00:00	08-02-2020 00:00:00	1	Within Campus	70	0	0	0	70	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	110358	No
75	'Roundtable Meet' entitled Challenges in Technology Commercialization	Innovation	Seminar	Institute Lead Activity	DST-Centre for Policy Research at Panjab University, Chandigarh	01-02-2020 00:00:00	01-02-2020 00:00:00	1	Within Campus	70	0	0	0	70	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	100248	No
76	Hands-on Training in Patent Search and Filing	IPR	Training	Institute Lead Activity	DST-Centre for Policy Research at Panjab University, Chandigarh	29-09-2019 00:00:00	29-09-2019 00:00:00	1	Within Campus	5	30	5	35	75	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	17046	No














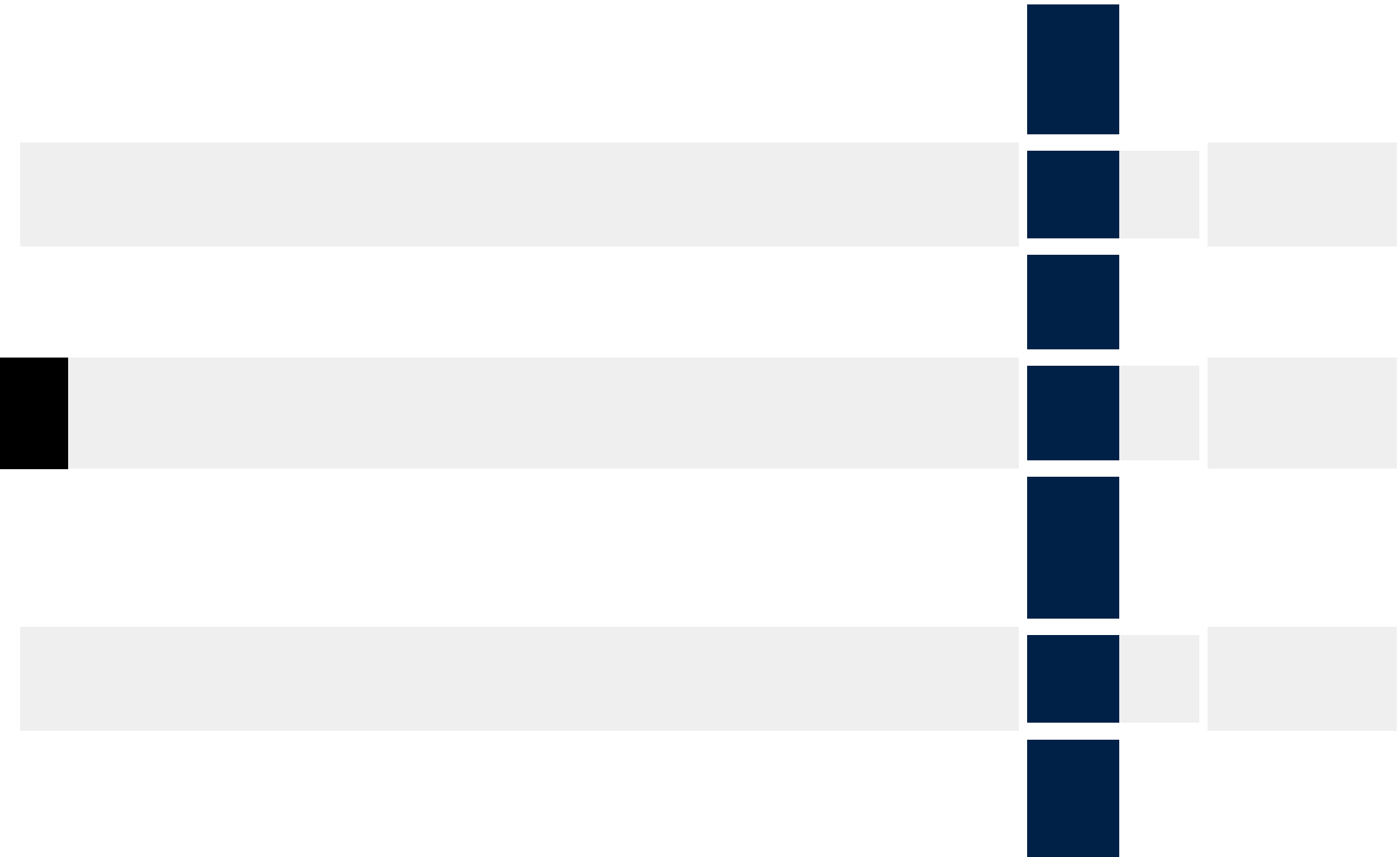




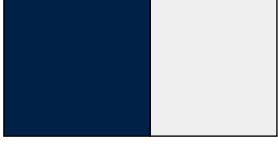




**Section 1 > ii : Details of Students, Faculties/Staff Participation/Representation in Co-curricular events/programs related to Innovation, IPR and Entrepreneurship/Start-up at the State, National and (or) International Level (Organized by External Organizations) sent by the HEI**

34	International conference on Nanoscience and nanotechnology (ICNAN 2019)	Innovation	Conference	VIT, Vellore	Educational Institute	04-12-2019 00:00:00	06-12-2019 00:00:00	3	0	1	1	No	---	---	Total Total Expense Amount Incurred by Institute? (In Rupees)	15000	No
35	National Organic Symposium Trust	Innovation	Awareness	Udaipur	Govt. Agency (Central)	04-12-2019 00:00:00	07-12-2019 00:00:00	4	0	1	1	No	---	---	Total Total Expense Amount Incurred by Institute? (In Rupees)	15000	No
36	Workshop on SPSS training program	Innovation	Training	Dept of Statistics, Panjab University, Chandigarh	Educational Institute	04-12-2019 00:00:00	12-12-2019 00:00:00	9	0	1	1	No	---	---	Total Total Expense Amount Incurred by Institute? (In Rupees)	15000	No
37	Professional development programme	Innovation	Training	IIM Jammu	Educational Institute	06-12-2019 00:00:00	07-12-2019 00:00:00	2	0	1	1	No	---	---	Total Total Expense Amount Incurred by Institute? (In Rupees)	15000	No
38	International conference on Technology for education	Innovation	Conference	Goa University	Educational Institute	09-12-2019 00:00:00	11-12-2019 00:00:00	3	0	1	1	No	---	---	Total Total Expense Amount Incurred by Institute? (In Rupees)	15000	No
39	3 Days AICTE Examination Reforms Training workshop	Innovation	Training	Vasant Kunj New Delhi	Educational Institute	09-12-2019 00:00:00	11-12-2019 00:00:00	3	0	1	1	No	---	---	Total Total Expense Amount Incurred by Institute? (In Rupees)	15000	No
40	3 Days AICTE Examination Reforms Training workshop	Innovation	Awareness	NITTR, Chandigarh	Educational Institute	09-12-2019 00:00:00	11-12-2019 00:00:00	3	0	1	1	No	---	---	Total Total Expense Amount Incurred by Institute? (In Rupees)	15000	No

**Section 1 > ii : Details of Students, Faculties/Staff Participation/Representation in Co-curricular events/programs related to Innovation, IPR and Entrepreneurship/Start-up at the State, National and (or) International Level (Organized by External Organizations) sent by the HEI**

41	QIP Short Term Course on Artificial Intelligence and Fuzzy Systems Theories, Concepts and its Application	Innovation	Start-up Conclave	IIT Kanpur	Educational Institute	09-12-2019 00:00:00	13-12-2019 00:00:00	5	0	1	1	No	---	---	Total Total Expense Amount Incurred by Institute? (In Rupees)	25000	No
42	Short term course on Machine Learning for Engineering Application	Innovation	Start-up Conclave	IIT Delhi	Educational Institute	09-12-2019 00:00:00	13-12-2019 00:00:00	5	0	1	1	No	---	---	Total Total Expense Amount Incurred by Institute? (In Rupees)	25000	No
43	Biotech Ignition Grant - 15-TEP meeting presentation	Innovation	Awareness	KIIT, TBI, Bhubaneswar	Educational Institute	14-12-2019 00:00:00	14-12-2019 00:00:00	1	0	1	1	No	---	---	Total Total Expense Amount Incurred by Institute? (In Rupees)	15000	No
44	International conference on Advanced Networks and Telecommunication system	Innovation													Total Total Expense Amount Incurred by Institute? (In Rupees)		
															Total Total Expense Amount Incurred by Institute? (In Rupees)		
															Total Total Expense Amount Incurred by Institute? (In Rupees)		











**Section 1 > ii : Details of Students, Faculties/Staff Participation/Representation in Co-curricular events/programs related to Innovation, IPR and Entrepreneurship/Start-up at the State, National and (or) International Level (Organized by External Organizations) sent by the HEI**

78	Bioscienc es	Innovation	HRDC) the HEI														





**Section 1 > ii : Details of Students, Faculties/Staff Participation/Representation in Co-curricular events/programs related to Innovation, IPR and Entrepreneurship/Start-up at the State, National and (or) International Level (Organized by External Organizations) sent by the HEI**

87	Antiplasmodial efficacy of Chininum sulphuricum 30C in vitro and in vivo studies in HOMOEOPROPHYLAXIS A WORLD WIDE CHOICE FOR DISEASE PREVENTION	Innovation	Conference	CCRH, NEW DELHI	Govt. Agency (Central)	11-01-2020 00:00:00	12-01-2020 00:00:00	2	0	1	1	No	---	---	No	No
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**Section 2 > i : List the Academic Programs on Innovation, IPR and Entrepreneurship Development Offered During the Academic Period (2019-20)**

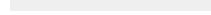
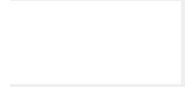
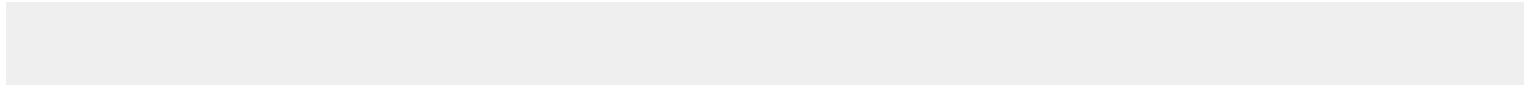
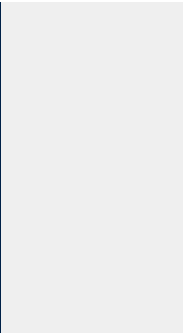
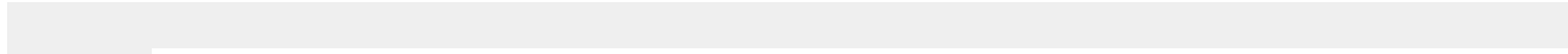
Srno	Title of Course/Subject Offered	Program Theme	Type of Course	Course Offering Department/Centre/Unit Name	Level of Course	Program Start Date	Program End Date	Program Duration(in Days)	Mode of Delivery	Total Numbers of Participants	Total Numbers of Contact Hours of Course ( Minimum 30 Contact hours)
1	Skill and capacity	Innovation	Elective/Core Credit Course	Credit Course (Compulsory)	ICSVS	29-02-2020	01-07-2020	124	Offline	14	30
2	Short term IPR 2019-2020	Innovation	Elective/Core Credit Course	Department of Biochemistry PU Chandigarh	PhD	01-07-2019	30-06-2020	366	Offline	100	30
3	B Sc Hons	Innovation	Full time Program	Bachelor	Botany	01-07-2019	30-06-2020	366	Offline	75	30
4	M Sc Hons	Innovation	Full time Program	Master	Botany	01-07-2019	30-06-2020	366	Offline	90	30
5	Ph D Botany	Innovation	Full time Program	PhD	Botany	01-07-2019	30-06-2020	366	Offline	100	30
6	Basics of IPR in Cosmetology and Skin Care	Entrepreneurship/Start-up	Short term	Department of Cosmetology and Skin Care	PhD	01-07-2019	30-06-2020	366	Offline	100	30











<table border="1"> <tr> <td>Highest degree name in I&amp;E and IPR</td> <td>PhD</td> </tr> <tr> <td>Degree Type</td> <td>PhD</td> </tr> <tr> <td>Year of Highest degree in I&amp;E and IPR</td> <td>2013</td> </tr> </table>	Highest degree name in I&E and IPR	PhD	Degree Type	PhD	Year of Highest degree in I&E and IPR	2013	10	Prof. Sukhwinder Singh	CSE- UIET	Professor	Yes
Highest degree name in I&E and IPR	PhD										
Degree Type	PhD										
Year of Highest degree in I&E and IPR	2013										
No	<table border="1"> <tr> <td>Highest degree name in I&amp;E and IPR</td> <td>PhD</td> </tr> <tr> <td>Degree Type</td> <td>PhD</td> </tr> <tr> <td>Year of Highest degree in I&amp;E and IPR</td> <td>2005</td> </tr> </table>	Highest degree name in I&E and IPR	PhD	Degree Type	PhD	Year of Highest degree in I&E and IPR	2005	11	Prof. Sakshi Kaushal	CSE- UIET	Professor
Highest degree name in I&E and IPR	PhD										
Degree Type	PhD										
Year of Highest degree in I&E and IPR	2005										
Yes	No	<table border="1"> <tr> <td>Highest degree name in I&amp;E and IPR</td> <td>PhD</td> </tr> <tr> <td>Degree Type</td> <td>PhD</td> </tr> <tr> <td>Year of Highest degree in I&amp;E and IPR</td> <td>2009</td> </tr> </table>	Highest degree name in I&E and IPR	PhD	Degree Type	PhD	Year of Highest degree in I&E and IPR	2009	12	Prof. Sarbjeet Singh	CSE- UIET
Highest degree name in I&E and IPR	PhD										
Degree Type	PhD										
Year of Highest degree in I&E and IPR	2009										
Professor	Yes	No	<table border="1"> <tr> <td>Highest degree name in I&amp;E and IPR</td> <td>PhD</td> </tr> <tr> <td>Degree Type</td> <td>PhD</td> </tr> <tr> <td>Year of Highest degree in I&amp;E and IPR</td> <td>2009</td> </tr> </table>	Highest degree name in I&E and IPR	PhD	Degree Type	PhD	Year of Highest degree in I&E and IPR	2009	13	Prof. Amrinder Pal Singh
Highest degree name in I&E and IPR	PhD										
Degree Type	PhD										
Year of Highest degree in I&E and IPR	2009										
Mechanical - UIET	Professor	Yes	No	<table border="1"> <tr> <td>Highest degree name in I&amp;E and IPR</td> <td>PhD</td> </tr> <tr> <td>Degree Type</td> <td>PhD</td> </tr> <tr> <td>Year of Highest degree in I&amp;E and IPR</td> <td>2014</td> </tr> </table>	Highest degree name in I&E and IPR	PhD	Degree Type	PhD	Year of Highest degree in I&E and IPR	2014	14
Highest degree name in I&E and IPR	PhD										
Degree Type	PhD										
Year of Highest degree in I&E and IPR	2014										
Dr. Inderdeep Kaur	IT- UIET	Associate Professor	Yes	No	<table border="1"> <tr> <td>Highest degree name in I&amp;E and IPR</td> <td>PhD</td> </tr> <tr> <td>Degree Type</td> <td>PhD</td> </tr> <tr> <td>Year of Highest degree in I&amp;E and IPR</td> <td>2018</td> </tr> </table>	Highest degree name in I&E and IPR	PhD	Degree Type	PhD	Year of Highest degree in I&E and IPR	2018
Highest degree name in I&E and IPR	PhD										
Degree Type	PhD										
Year of Highest degree in I&E and IPR	2018										
15	Dr. Arvind Kumar	ECE- UIET	Associate Professor	Yes	No						

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Highest degree name in I&E and IPR	PhD										
Degree Type	PhD										
Year of Highest degree in I&E and IPR	2014										
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Highest degree name in I&E and IPR	PhD										
Degree Type	PhD										
Year of Highest degree in I&E and IPR	2020										
Yes	No	<table border="1"> <tr> <td>Year of Highest degree in I&amp;E and IPR</td> <td>2016</td> </tr> </table>	Year of Highest degree in I&E and IPR	2016							
Year of Highest degree in I&E and IPR	2016										
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22	Dr. Naresh Kumar	ECE - UIET	Assistant ProfrE - UIET820 57.37 38 re 45.89 31 re S 0.5 w 419.71 258 573/F2 7 Tf 0 0 0 rg (2008)						
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Highest degree name in I&E and IPR	PhD								
Degree Type	PhD								
Year of Highest degree in I&E and IPR	2008								

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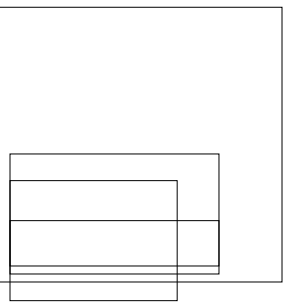
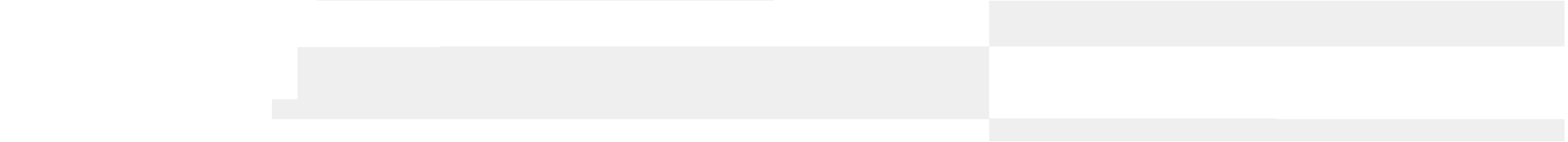
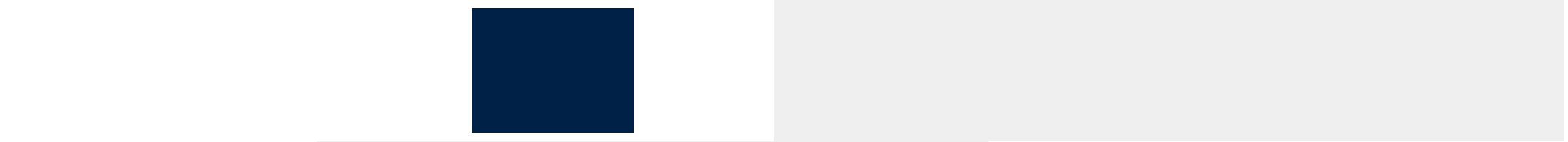
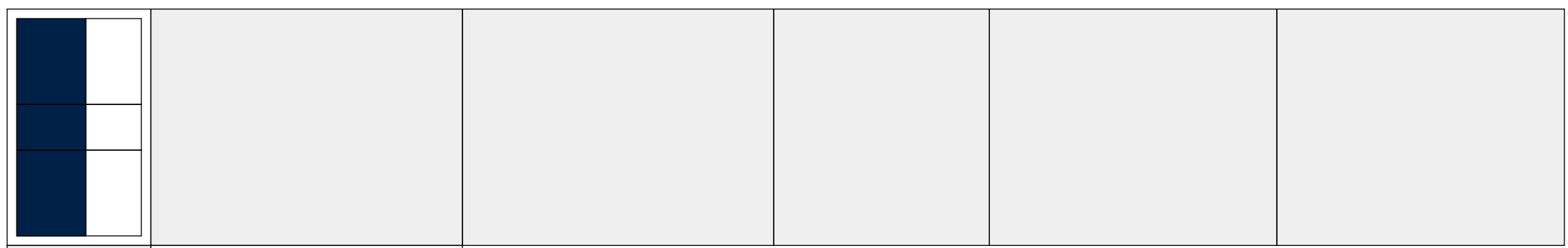
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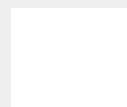
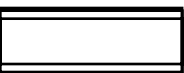
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Dr. Naresh Kumar











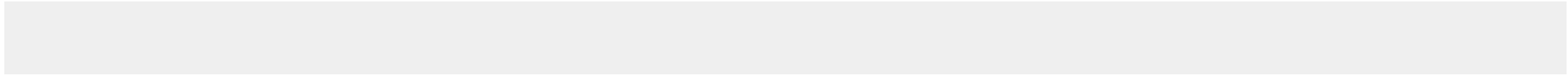
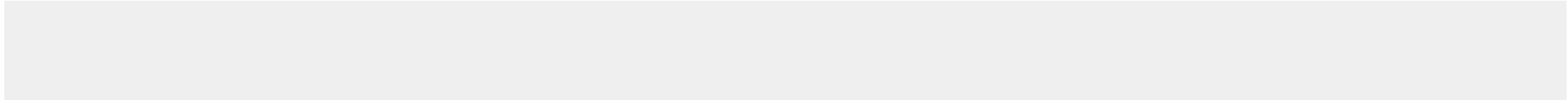
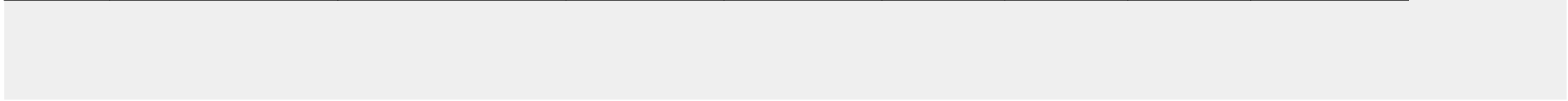
Department of Zoology Centre for Advanced Studies (UGC) PU Chandigarh	Assistant Professor	No	No	71	Dr Vijay Kumar						
Department of Zoology Centre for Advanced Studies (UGC) PU Chandigarh	Assistant Professor	No	No	72	Dr Ranjana Jaiswara						
Department of Zoology Centre for Advanced Studies (UGC) PU Chandigarh	DST INSPIRE FACULTY	No	No	73	Prof Neelima R Kumar						
Department of Zoology Centre for Advanced Studies (UGC) PU Chandigarh	Professor	No	No	74	Prof Rajinder Jindal						
Department of Zoology Centre for Advanced Studies (UGC) PU Chandigarh	Professor	No	No	75	Prof. Ram Kumar						
Department of Zoology Centre for Advanced Studies (UGC) PU Chandigarh	UGC Visiting Professor	No	No	76	Dr Indu Pal Kaur						
UIPS	Professor and Chairperson	Yes	No	<table border="1"> <tr> <td>Highest degree name in I&amp;E and IPR</td> <td>PhD</td> </tr> <tr> <td>Degree Type</td> <td>PhD</td> </tr> <tr> <td>Year of Highest degree in I&amp;E and IPR</td> <td>1996</td> </tr> </table>	Highest degree name in I&E and IPR	PhD	Degree Type	PhD	Year of Highest degree in I&E and IPR	1996	77
Highest degree name in I&E and IPR	PhD										
Degree Type	PhD										
Year of Highest degree in I&E and IPR	1996										
Dr Karan Vasisht	UIPS	Professor	Yes	No	<table border="1"> <tr> <td>Highest degree name in I&amp;E and IPR</td> <td>PhD</td> </tr> <tr> <td>Degree Type</td> <td>PhD</td> </tr> <tr> <td>Year of Highest degree in I&amp;E and IPR</td> <td>1990</td> </tr> </table>	Highest degree name in I&E and IPR	PhD	Degree Type	PhD	Year of Highest degree in I&E and IPR	1990
Highest degree name in I&E and IPR	PhD										
Degree Type	PhD										
Year of Highest degree in I&E and IPR	1990										
78	Dr O.P. Katare	UIPS	Professor	Yes	No						
<table border="1"> <tr> <td>Highest degree name in I&amp;E and IPR</td> <td>PhD</td> </tr> <tr> <td>Degree Type</td> <td>PhD</td> </tr> <tr> <td>Year of Highest degree in I&amp;E and IPR</td> <td>1992</td> </tr> </table>	Highest degree name in I&E and IPR	PhD	Degree Type	PhD	Year of Highest degree in I&E and IPR	1992	79	Dr Bhupinder Singh Bhoop	UIPS	Professor	Yes
Highest degree name in I&E and IPR	PhD										
Degree Type	PhD										
Year of Highest degree in I&E and IPR	1992										

No	<table border="1"> <tr> <td>Highest degree name in I&amp;E and IPR</td> <td>PhD</td> </tr> <tr> <td>Degree Type</td> <td>PhD</td> </tr> <tr> <td>Year of Highest degree in I&amp;E and IPR</td> <td>2015</td> </tr> </table>	Highest degree name in I&E and IPR	PhD	Degree Type	PhD	Year of Highest degree in I&E and IPR	2015	80	Dr Renu Chadha	UIPS	Professor
Highest degree name in I&E and IPR	PhD										
Degree Type	PhD										
Year of Highest degree in I&E and IPR	2015										
Yes	No	<table border="1"> <tr> <td>Highest degree name in I&amp;E and IPR</td> <td>PhD</td> </tr> <tr> <td>Degree Type</td> <td>PhD</td> </tr> <tr> <td>Year of Highest degree in I&amp;E and IPR</td> <td>2006</td> </tr> </table>	Highest degree name in I&E and IPR	PhD	Degree Type	PhD	Year of Highest degree in I&E and IPR	2006	81	Dr Kanwaljit Chopra	UIPS
Highest degree name in I&E and IPR	PhD										
Degree Type	PhD										
Year of Highest degree in I&E and IPR	2006										
Professor	Yes	No	<table border="1"> <tr> <td>Highest degree name in I&amp;E and IPR</td> <td>PhD</td> </tr> <tr> <td>Degree Type</td> <td>PhD</td> </tr> <tr> <td>Year of Highest degree in I&amp;E and IPR</td> <td>1993</td> </tr> </table>	Highest degree name in I&E and IPR	PhD	Degree Type	PhD	Year of Highest degree in I&E and IPR	1993	82	Dr Anupam Sharma
Highest degree name in I&E and IPR	PhD										
Degree Type	PhD										
Year of Highest degree in I&E and IPR	1993										
UIPS	Professor	Yes	No	<table border="1"> <tr> <td>Highest degree name in I&amp;E and IPR</td> <td>PhD</td> </tr> <tr> <td>Degree Type</td> <td>PhD</td> </tr> <tr> <td>Year of Highest degree in I&amp;E and IPR</td> <td>1990</td> </tr> </table>	Highest degree name in I&E and IPR	PhD	Degree Type	PhD	Year of Highest degree in I&E and IPR	1990	83
Highest degree name in I&E and IPR	PhD										
Degree Type	PhD										
Year of Highest degree in I&E and IPR	1990										
Dr Manoj Kumar	UIPS	Professor	Yes	No	<table border="1"> <tr> <td>Highest degree name in I&amp;E and IPR</td> <td>PhD</td> </tr> <tr> <td>Degree Type</td> <td>PhD</td> </tr> <tr> <td>Year of Highest degree in I&amp;E and IPR</td> <td>1990</td> </tr> </table>	Highest degree name in I&E and IPR	PhD	Degree Type	PhD	Year of Highest degree in I&E and IPR	1990
Highest degree name in I&E and IPR	PhD										
Degree Type	PhD										
Year of Highest degree in I&E and IPR	1990										
84	Dr Anil Kumar	UIPS	Professor	Yes	No						
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Highest degree name in I&E and IPR	PhD										
Degree Type	PhD										
Year of Highest degree in I&E and IPR	2005										

No	<table border="1"> <tr> <td>Highest degree name in I&amp;E and IPR</td> <td>PhD</td> </tr> <tr> <td>Degree Type</td> <td>PhD</td> </tr> <tr> <td>Year of Highest degree in I&amp;E and IPR</td> <td>1996</td> </tr> </table>	Highest degree name in I&E and IPR	PhD	Degree Type	PhD	Year of Highest degree in I&E and IPR	1996	86	Dr Maninder Karan	UIPS	Professor
Highest degree name in I&E and IPR	PhD										
Degree Type	PhD										
Year of Highest degree in I&E and IPR	1996										
Yes	No	<table border="1"> <tr> <td>Highest degree name in I&amp;E and IPR</td> <td>PhD</td> </tr> <tr> <td>Degree Type</td> <td>PhD</td> </tr> <tr> <td>Year of Highest degree in I&amp;E and IPR</td> <td>1995</td> </tr> </table>	Highest degree name in I&E and IPR	PhD	Degree Type	PhD	Year of Highest degree in I&E and IPR	1995	87	Dr Alka Bali	UIPS
Highest degree name in I&E and IPR	PhD										
Degree Type	PhD										
Year of Highest degree in I&E and IPR	1995										
Professor	Yes	No	<table border="1"> <tr> <td>Highest degree name in I&amp;E and IPR</td> <td>PhD</td> </tr> <tr> <td>Degree Type</td> <td>PhD</td> </tr> <tr> <td>Year of Highest degree in I&amp;E and IPR</td> <td>2016</td> </tr> </table>	Highest degree name in I&E and IPR	PhD	Degree Type	PhD	Year of Highest degree in I&E and IPR	2016	88	Dr Anurag
Highest degree name in I&E and IPR	PhD										
Degree Type	PhD										
Year of Highest degree in I&E and IPR	2016										
UIPS	Assistant Professor	Yes	No	<table border="1"> <tr> <td>Highest degree name in I&amp;E and IPR</td> <td>PhD</td> </tr> <tr> <td>Degree Type</td> <td>PhD</td> </tr> <tr> <td>Year of Highest degree in I&amp;E and IPR</td> <td>2010</td> </tr> </table>	Highest degree name in I&E and IPR	PhD	Degree Type	PhD	Year of Highest degree in I&E and IPR	2010	89
Highest degree name in I&E and IPR	PhD										
Degree Type	PhD										
Year of Highest degree in I&E and IPR	2010										
Dr Neelima Dhingra	UIPS	Assistant Professor	Yes	No	<table border="1"> <tr> <td>Highest degree name in I&amp;E and IPR</td> <td>PhD</td> </tr> <tr> <td>Degree Type</td> <td>PhD</td> </tr> <tr> <td>Year of Highest degree in I&amp;E and IPR</td> <td>2008</td> </tr> </table>	Highest degree name in I&E and IPR	PhD	Degree Type	PhD	Year of Highest degree in I&E and IPR	2008
Highest degree name in I&E and IPR	PhD										
Degree Type	PhD										
Year of Highest degree in I&E and IPR	2008										
90	Dr Ashwani Kumar	UIPS	Assistant Professor	Yes	No						
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Highest degree name in I&E and IPR	PhD										
Degree Type	PhD										
Year of Highest degree in I&E and IPR	2006										

No	<table border="1"> <tr> <td>Highest degree name in I&amp;E and IPR</td> <td>PhD</td> </tr> <tr> <td>Degree Type</td> <td>PhD</td> </tr> <tr> <td>Year of Highest degree in I&amp;E and IPR</td> <td>2010</td> </tr> </table>	Highest degree name in I&E and IPR	PhD	Degree Type	PhD	Year of Highest degree in I&E and IPR	2010	92	Dr Vandita Kakkar	UIPS	Assistant Professor
Highest degree name in I&E and IPR	PhD										
Degree Type	PhD										
Year of Highest degree in I&E and IPR	2010										
Yes	No	<table border="1"> <tr> <td>Highest degree name in I&amp;E and IPR</td> <td>PhD</td> </tr> <tr> <td>Degree Type</td> <td>PhD</td> </tr> <tr> <td>Year of Highest degree in I&amp;E and IPR</td> <td>2012</td> </tr> </table>	Highest degree name in I&E and IPR	PhD	Degree Type	PhD	Year of Highest degree in I&E and IPR	2012	93	Dr Amita Sarwal	UIPS
Highest degree name in I&E and IPR	PhD										
Degree Type	PhD										
Year of Highest degree in I&E and IPR	2012										
Assistant Professor	Yes	No	<table border="1"> <tr> <td>Highest degree name in I&amp;E and IPR</td> <td>PhD</td> </tr> <tr> <td>Degree Type</td> <td>PhD</td> </tr> <tr> <td>Year of Highest degree in I&amp;E and IPR</td> <td>2007</td> </tr> </table>	Highest degree name in I&E and IPR	PhD	Degree Type	PhD	Year of Highest degree in I&E and IPR	2007	94	Dr Sangeeta Pilkhwal Sah
Highest degree name in I&E and IPR	PhD										
Degree Type	PhD										
Year of Highest degree in I&E and IPR	2007										
UIPS	Assistant Professor	Yes	No	<table border="1"> <tr> <td>Highest degree name in I&amp;E and IPR</td> <td>PhD</td> </tr> <tr> <td>Degree Type</td> <td>PhD</td> </tr> <tr> <td>Year of Highest degree in I&amp;E and IPR</td> <td>2009</td> </tr> </table>	Highest degree name in I&E and IPR	PhD	Degree Type	PhD	Year of Highest degree in I&E and IPR	2009	95
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Degree Type	PhD										
Year of Highest degree in I&E and IPR	2009										
Dr Gurpal Singh	UIPS				<table border="1"> <tr> <td></td> <td></td> </tr> <tr> <td></td> <td></td> </tr> <tr> <td></td> <td></td> </tr> </table>						
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No	Highest degree name in I&E and IPR	PhD	98	Dr Ranjana Bhandari	UIPS	Assistant Professor
	Degree Type	PhD				
	Year of Highest degree in I&E and IPR	2014				


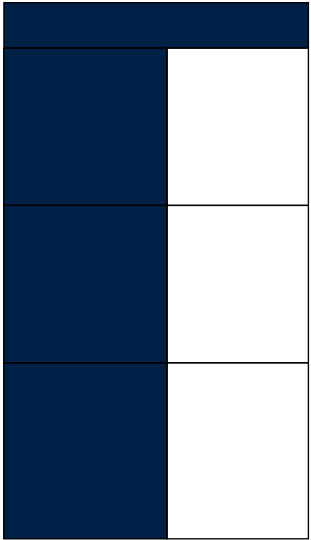
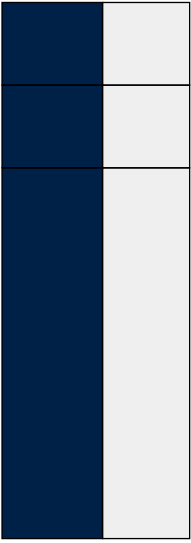
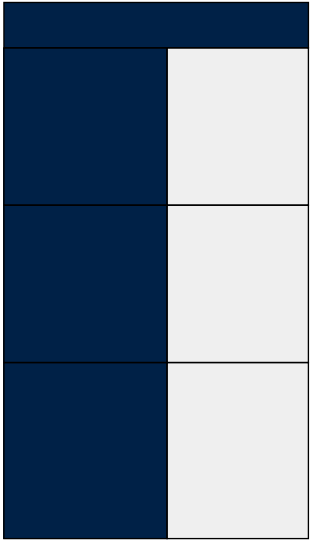



List the Pre-Incubation Facility (Tinkering Lab/Makers' Space/Design Centre/Ne

entre/Startup Cell) (>= 600 Sq. Ft.

Development & Entrepreneurship	Startup Cell	2015	Co-working Space	No Such Facilities Exist in the Campus	No Such Facilities Exist in the Campus	<table border="1"> <tr> <td>Facility Incharge Name</td> <td>Prof. Harish Kumar</td> </tr> <tr> <td>Facility Incharge Email</td> <td>na@pu chd.ac. in</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>0</td> </tr> </table>	Facility Incharge Name	Prof. Harish Kumar	Facility Incharge Email	na@pu chd.ac. in	Facility Incharge Phone	0	0		No
Facility Incharge Name	Prof. Harish Kumar														
Facility Incharge Email	na@pu chd.ac. in														
Facility Incharge Phone	0														
					opation	<table border="1"> <tr> <td>Facility Incharge Name</td> <td>Dr. Rohit Sharma</td> </tr> <tr> <td>Facility Incharge Email</td> <td>rohit28@pu chd.ac. in</td> </tr> <tr> <td>Facility Incharge Phone</td> <td></td> </tr> </table>	Facility Incharge Name	Dr. Rohit Sharma	Facility Incharge Email	rohit28@pu chd.ac. in	Facility Incharge Phone		4		Yes
Facility Incharge Name	Dr. Rohit Sharma														
Facility Incharge Email	rohit28@pu chd.ac. in														
Facility Incharge Phone															





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					<table border="1"><tr><td></td><td></td></tr><tr><td></td><td></td></tr><tr><td></td><td></td></tr><tr><td></td><td></td></tr></table>												<table border="1"><tr><td></td><td></td></tr><tr><td></td><td></td></tr><tr><td></td><td></td></tr><tr><td></td><td></td></tr></table>									

**Section 3 > ii > b : List the Centre of Excellence (CoE) Facilities with Advance Tools and Equipment at the HEI (>= 1000 Sq. Ft. Floor Area)**

7	FT-NMR Spectrometer 400 MHz	2005	Innovation Labs	DST, New Delhi	<table border="1"> <tr> <td>Facility Incharge Name</td> <td>Manish kumar</td> </tr> <tr> <td>Facility Incharge Email</td> <td>nmrlab@pu.ac.in</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>9781012525</td> </tr> </table>	Facility Incharge Name	Manish kumar	Facility Incharge Email	nmrlab@pu.ac.in	Facility Incharge Phone	9781012525	1	No	<table border="1"> <thead> <tr> <th colspan="2">Yes</th> </tr> </thead> <tbody> <tr> <td>Total Annual Income from Training and Skill Development Services (In Rupees)</td> <td>0</td> </tr> <tr> <td>Total Annual Income from (Technical and Business) Mentoring Services (In Rupees)</td> <td>46400</td> </tr> <tr> <td>Total Annual Income from Office Space and Rental Services to Start-ups/Innovators (In Rupees)</td> <td>0</td> </tr> </tbody> </table>	Yes		Total Annual Income from Training and Skill Development Services (In Rupees)	0	Total Annual Income from (Technical and Business) Mentoring Services (In Rupees)	46400	Total Annual Income from Office Space and Rental Services to Start-ups/Innovators (In Rupees)	0	No
Facility Incharge Name	Manish kumar																						
Facility Incharge Email	nmrlab@pu.ac.in																						
Facility Incharge Phone	9781012525																						
Yes																							
Total Annual Income from Training and Skill Development Services (In Rupees)	0																						
Total Annual Income from (Technical and Business) Mentoring Services (In Rupees)	46400																						
Total Annual Income from Office Space and Rental Services to Start-ups/Innovators (In Rupees)	0																						
8	FT-NMR Spectrometer 500 MHz	2019	Innovation Labs	DST, New Delhi	<table border="1"> <tr> <td>Facility Incharge Name</td> <td>Manish kumar</td> </tr> <tr> <td>Facility Incharge Email</td> <td>nmrlab@pu.ac.in</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>9781012525</td> </tr> </table>	Facility Incharge Name	Manish kumar	Facility Incharge Email	nmrlab@pu.ac.in	Facility Incharge Phone	9781012525	1	No	<table border="1"> <thead> <tr> <th colspan="2">Yes</th> </tr> </thead> <tbody> <tr> <td>Total Annual Income from Training and Skill Development Services (In Rupees)</td> <td>0</td> </tr> <tr> <td>Total Annual Income from (Technical and Business) Mentoring Services (In Rupees)</td> <td>8274573</td> </tr> <tr> <td>Total Annual Income from Office Space and Rental Services to Start-ups/Innovators (In Rupees)</td> <td>0</td> </tr> </tbody> </table>	Yes		Total Annual Income from Training and Skill Development Services (In Rupees)	0	Total Annual Income from (Technical and Business) Mentoring Services (In Rupees)	8274573	Total Annual Income from Office Space and Rental Services to Start-ups/Innovators (In Rupees)	0	No
Facility Incharge Name	Manish kumar																						
Facility Incharge Email	nmrlab@pu.ac.in																						
Facility Incharge Phone	9781012525																						
Yes																							
Total Annual Income from Training and Skill Development Services (In Rupees)	0																						
Total Annual Income from (Technical and Business) Mentoring Services (In Rupees)	8274573																						
Total Annual Income from Office Space and Rental Services to Start-ups/Innovators (In Rupees)	0																						

**Section 3 > ii > c : List the Incubation Facilities at the HEI (>= 1500 Sq. Ft. Floor Area)**

Srno	Name of Incubation Facility	Year of Establishment	Incubation with Access to Other I&E Facilities at the HEI	Name of the Funding Schemes Available with Incubation Unit, if any (Optional)	Facility Details	Total Nos of Dedicated Executive/Management team Strength Engaged at the Facility	Had the Incubation Facility Provided any Funding Support for Idea/Prototype/Innovation Development and implementation during the Financial Year 2019-20?	Had institute Generated Income either from Services Offered by Incubation Centre/Facilities?	Had institute spent expenses either from own resource/received fund towards Establishment/Operation of Incubation Centre/Facilities?
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**Section 3 > iii > a : Provide detail list of Faculties as Mentor to help Ideas/Innovations/Startups**

Srno	Name of the Faculty	Designation of the Faculty	Mentor Expert Area	Years of Experience in Mentorship (In Years)
1	Dr. Rohit Sharma	Associate Professor	Entrepreneurship/Startup Development	16
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	Microradical360 Pvt Ltd		Within	
	Kinvac Innovations LLP		Within	
	Microfoods Pvt. Ltd.		Within	
	AV Nutricare Pvt. Ltd.		Within	
	Mritarch Assiduities Pvt. Ltd.		Within	
2	Prof. Sween	Professor	Idea/Innovation Development	20
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	Literacy and Social Development		Within	
	Cosmetology and Economic Empowerment		Within	
	Teachers as an Extension Workers		Within	
	Balanced Diet and Good Health		Within	
	Water Storage and its Savings		Within	
Economic Empowerment and Women		Within		
3	Dr.Parmjit Singh Kang	Associate Professor and Chairperson	Idea/Innovation Development	15
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	Guidance and Counseling for New Course at Panjab University		Within	
	Role of Cleanliness in Every Day Life		Within	
	Importance of Celebrating National Integration Day in Today's World		Within	
	Gurunanak Dev Teaching on Equality and Mankind		Within	
Role of Computer Applications in enhancing qulaity of life of people		Within		
4	Dr. Naveen Aggarwal	Professor	Idea/Innovation Development	10

**Section 3 > iii > a : Provide detail list of Faculties as Mentor to help Ideas/Innovations/Startups**

Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
Smart Traffic Light System Using RFID		Within	
Low cost Indigenously developed Pupillometer for the critical care unit		Within	
Real Time Vehicle Counting, Classification, and Tracking from CCTV		Within	
Automatic Cleaning Robot and Grass Cutter		Within	
Multipurpose Autonomous Drone		Within	
Automated Water Surface Analyser Boat		Within	
Rootworkz Learning Platform		Within	
SpectroPlotter:Low Cost Light Absorbance Plotter		Within	
Real time Bus Arrival Detector & Announcer at Bus Stops		Within	
Real time Mobile Air Pollution Analyzer		Within	
Real time Acoustic Event Classifier		Within	
Smart Potholes detector using thermal Imaging		Within	
Person Identifier and GAIT Authenticator using Accelerometer		Within	
<b>5</b>			
Dr. Yajvender Pal Verma		Associate Professor	Idea/Innovation Development
			10
Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
-		Within	
-		Within	
-		Within	
Autonomous All Terrain Robot Spider Bot for Surveillance /Military Purposes		Within	
Design Analysis & Fabrication of 1kW Combined Savonius and Darrieus Wind Turbine		Within	
Energy Harvesting using Ceiling fan rotatory Motion		Within	
-		Within	
Rodent Operant Chamber Bucket		Within	
Artificial Breather		Within	
Microgrid Test Bed Set-up		Within	
Virtual Stroboscope		Within	
Three Leg Robot		Within	
Portable Mobile Solar Charger		Within	
<b>6</b>			
Dr. Prashant Jindal		Assistant Professor	Idea/Innovation Development
			10

**Section 3 > iii > a : Provide detail list of Faculties as Mentor to help Ideas/Innovations/Startups**

Name of Idea/Innovation/ Startup Mentored	Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
Robotic grass cutter	Within	
Human bite force measuring device	Within	
Hand muscle data acquisition glove	Within	

**Section 3 > iii > a : Provide detail list of Faculties as Mentor to help Ideas/Innovations/Startups**

	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	CRITICAL ANALYSIS OF THE CONSTITUTIONAL VALIDITY OF THE DEATH PENALTY IN INDIA		Within	
	GREEN INFORMATION AND COMMUNICATION TECHNOLOGIES (ICT) FOR SUSTAINABLE DEVELOPMENT: A STUDY IN GANDHIAN PERSPECTIVE		Within	
	UNIVERSAL BROTHERHOOD AND SOCIAL TRANSFORMATION: RE-READING GANDHI IN THE CONTEXT OF SANT NIRANKARI MISSION		Within	
	UNITED NATIONS ON EDUCATION: WITH SPECIAL REFERENCE TO HUMAN RIGHT EDUCATION (HRE)		Within	
13	Dr. Ashu Pasricha	Assistant Professor	Idea/Innovation Development	7
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	SUSTAINABLE ORGANIC APPLE FARMING : A CASE STUDY OF TEHSIL ROHRU DISTRICT SHIMLA, H.P.		Within	
	GOOD GOVERNANCE IN THE CONSTITUTION OF INDIA: A GANDHIAN PERSPECTIVE		Within	
	TRIBAL DEVELOPMENT PROGRAMMES IN HIMACHAL PRADESH WITH SPECIAL REFERENCE TO GADDI TRIBE OF DISTRICT CHAMBA (H.P.)		Within	
	STRUCTURAL VIOLENCE AGAINST WOMEN: ACOMPARATIVE STUDY OF SELECTED COMMUNITIES OF PUNJAB AND HIMACHAL PRADESH		Within	
14	Dr. Jadab Sharma	Assistant Professor	Idea/Innovation Development	7
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	Photovoltaic cell		Within	
15	Dr. Akash Katoch	UGC- Assistant Professor	Idea/Innovation Development	ZDrut Professor
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	Chemical gas sensor, Heavy metal ion sensor			



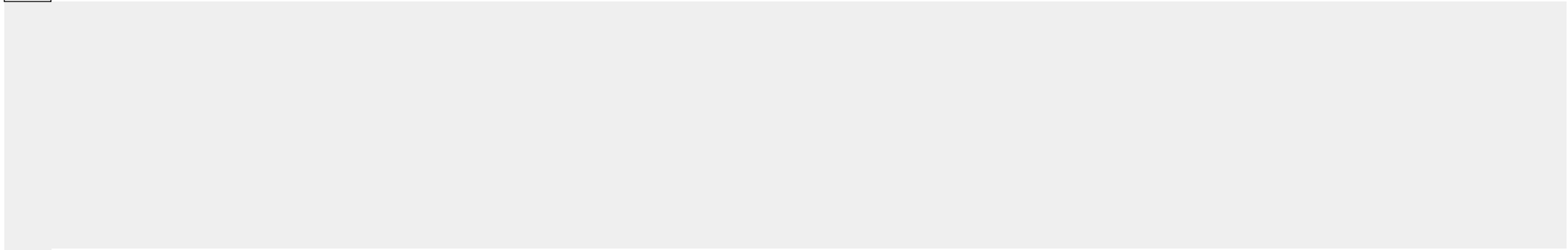
**Section 3 > iii > a : Provide detail list of Faculties as Mentor to help Ideas/Innovations/Startups**

	Name of Idea/Innovation/ Startup Mentored	Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	Evaluating the efficacy of boerhavia diusa l. Against hexavalent chromium induced toxicity in ctenopharyngodon idellus (cuvier and valenciennes	Within	





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9	IoT base air pollution app	Product Innovation	Technological	Design Innovation Centre, Chandigarh	Student-Faculty	TRL 4 : Small scale prototype built in a laboratory environment ("ugly prototype).	TRL 4 : Small scale prototype built in a laboratory environment ("ugly prototype).	Innovation Development Ongoing	No	No	No	No	No
<b>Name</b>		<b>Type</b>			<b>Gender</b>			<b>Email</b>			<b>Contact</b>		
Prof. Naveen Aggarwal		Faculty			Male			navagg@pu.ac.in			9814865455		
10	Remote patient monitoring app	Product Innovation	Technological	Design Innovation Centre, Chandigarh	Student-Faculty	TRL 4 : Small scale prototype built in a laboratory environment ("ugly prototype).	TRL 4 : Small scale prototype built in a laboratory environment ("ugly prototype).	Innovation Development Ongoing	No	No	No	No	No
<b>Name</b>		<b>Type</b>			<b>Gender</b>			<b>Email</b>			<b>Contact</b>		
Prof. Naveen Aggarwal		Faculty			Male			navagg@pu.ac.in			9814865455		
11	Real Time Machine Monitoring App	Service Innovation	Technological	Design Innovation Centre, Chandigarh	Faculty	TRL 4 : Small scale prototype built in a laboratory environment ("ugly prototype).	TRL 4 : Small scale prototype built in a laboratory environment ("ugly prototype).	Innovation Development Ongoing	No	No	No	No	No
<b>Name</b>		<b>Type</b>			<b>Gender</b>			<b>Email</b>			<b>Contact</b>		
Prof. Naveen Aggarwal		Faculty			Male			navagg@pu.ac.in			9814865455		



22r	Human bite force measuring device	Product Innovation	Technological	Design Innovation Center Chandigarh	Student Faculty	TRL 2: Small scale prototype built in a lab at 5a environment ("ugly prototype).	TRL 4: Small scale prototype built in a laboratory environment ("ugly prototype).	Innovation Development Ongoing	No	No	No	No	No
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Name	Type	Gender	Email	Contact
Prof. Prashant Jindal	Faculty	Male	prashant.jindal@punjabagric.ernet.in	9878881230

16	Robotic grass cutter	Product Innovation	Technological (Male)	Design Innovation Center Chandigarh	Student Faculty	TRL 1: Prototype built in a lab at 5a environment ("ugly prototype).	TRL 2: Small scale prototype built in a laboratory environment ("ugly prototype).	Innovation Development Ongoing	No	No	No	No	No
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Name	Type	Gender	Email	Contact

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Name	Type	Gender	Email	Contact

18	Energy Harvesting using Ceiling fan rotatory Motion	Product Innovation	Technological	Design Innovation Centre, Chandigarh	Student-Faculty	TRL 4 : Small scale prototype built in a laboratory environment ("ugly prototype).	TRL 4 : Small scale prototype built in a laboratory environment ("ugly prototype).	Innovation Development Ongoing	No	No	No	No	No
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Name	Type	Gender	Email	Contact
Dr. Y P Verma	Faculty	Male	ypverma78@gmail.com	9216384592

19	Design Analysis & Fabrication of 1kW C a T												
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21	IoT based Switch to replace existing Modular Switches	Product Innovation	Technological	Design Innovation Centre, Chandigarh	Student-Faculty	TRL 4 : Small scale prototype built in a laboratory environment ("ugly prototype).	TRL 4 : Small scale prototype built in a laboratory environment ("ugly prototype).	Innovation Development Ongoing	No	No	No	No	No
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Name	Type	Gender	Email	Contact
Dr. Y P Verma	Faculty	Male	ypverma78@gmail.com	9216384592

22	Wearable Piezoelectric Shoe Powered Radiofrequency	Product Innovation	Technological	Design Innovation Centre, Chandigarh	Student-Faculty	TRL 4 : Small scale prototype built in a laboratory environment ("ugly prototype).	TRL 4 : Small scale prototype built in a laboratory environment ("ugly prototype).	Innovation Development Ongoing	No	No	No	No	No
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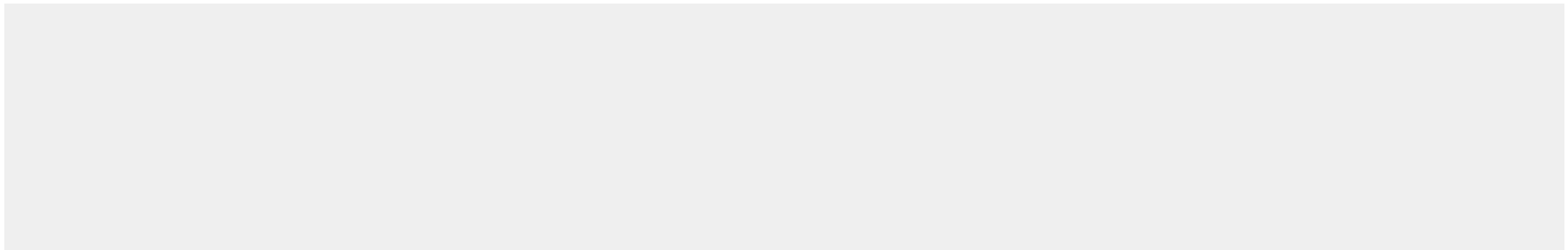
Name	Type	Gender	Email	Contact
Dr. Y P Verma	Faculty	Male	ypverma78@gmail.com	9216384592

23	Urja Rath (Hybrid Solar-Rickshaw)	Product Innovation	Technological	Design Innovation Centre, Chandigarh	Student-Faculty	TRL 4 : Small scale prototype built in a laboratory environment ("ugly prototype).	TRL 4 : Small scale prototype built in a laboratory environment ("ugly prototype).	Innovation Development Ongoing	No	No	No	No	No
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Name	Type	Gender	Email	Contact
Dr. Y P Verma	Faculty	Male	ypverma78@gmail.com	9216384592

24	CNC Milling Machine	Product Innovati nn93725 rg394.03	261 117.54	17 re S 0.5 w 511.57 23725	rg394.03 261 117.54	17 r09 129 re S 0.5 w 36.42 412 793.58 44 re S 0.59 rhno	117.54 17 re S 05 w 36.1.57 23725 rg394	logical7.54 17 r09 129 re S 021210 2.42 4													







36	Real time Bus Arrival Detector & Announcer at Bus Stops	Product Innovation	Technological	Design Innovation Centre, Chandigarh	Faculty	TRL 4 : Small scale prototype built in a laboratory environment ("ugly prototype).	TRL 4 : Small scale prototype built in a laboratory environment ("ugly prototype).	Innovation Development Ongoing	No	No	No	No	No
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Name	Type	Gender	Email	Contact
Prof. Naveen Aggarwal	Faculty	Male	navagg@pu.ac.in	9814865455

37	SpectroPlotter:Low Cost Light Absorbance Plotter	Product Innovation	Technological	Design Innovation Centre, Chandigarh	Faculty	TRL 4 : Small scale prototype built in a laboratory environment ("ugly prototype).	TRL 5 : Large scale prototype tested in intended environment.	Innovation Development Ongoing	No	No	No	No	No
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Name	Type	Gender	Email	Contact
Prof. Naveen Aggarwal	Faculty	Male	navagg@pu.ac.in	9814865455

38	Automated Water Surface Analyser Boat	Product Innovation	Technological	Design Innovation Centre, Chandigarh	Student-Faculty	TRL 4 : Small scale prototype built in a laboratory environment ("ugly prototype).	TRL 4 : Small scale prototype built in a laboratory environment ("ugly prototype).	Innovation Development Ongoing	No	No	No	No	No
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Name	Type	Gender	Email	Contact
Prof. Naveen Aggarwal	Faculty	Male	navagg@pu.ac.in	9814865455



42	Low cost Indigenously developed Pupilometer for the critical care unit	Product Innovation	Technological	Design Innovation Centre, Chandigarh	Student-Faculty	TRL 6 : Prototype system tested in intended environment close to expected performance.	TRL 6 : Prototype system tested in intended environment close to expected performance.	Innovation Development Ongoing	Agency Name	DS T, Gol	No	Grant Amount in Rs	100000	No	No
									Agency Type	Govt. Agency (Central)					
									Award / Position / Recognition Secured	No					
Name			Type			Gender			Email			Contact			
Prof. Naveen Aggarwal			Faculty			Male			navagg@pu.ac.in			9814865455			
43	Smart Traffic Light System Using RFID	Product Innovation	Technological	Design Innovation Centre, Chandigarh	Student-Faculty	TRL 4 : Small scale prototype built in a laboratory environment ("ugly prototype).	TRL 4 : Small scale prototype built in a laboratory environment ("ugly prototype).	Innovation Development Ongoing	No	No	No	No	No	No	No
Name			Type			Gender			Email			Contact			
Prof. Naveen Aggarwal			Faculty			Male			navagg@pu.ac.in			9814865455			
44	A novel design of low cost real time biomass monitor system for photobioreactor based on innovative light evolution kinetic equation	Product Innovation	Technological	BNPU, CIC-B	Faculty	TRL 3 : Applied research. First laboratory tests completed; proof of concept.	TRL 3 : Applied research. First laboratory tests completed; proof of concept.	Innovation Development Ongoing	No	No	Grant Amount in Rs	935265	No	No	
Name			Type			Gender			Email			Contact			
Dr. Shailendra Singh Khichi			Incubatee Entrepreneur			Male			shail.khichi@gmail.com			6376845348			











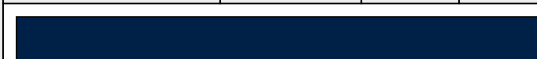
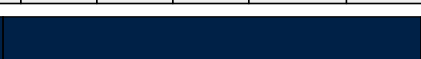

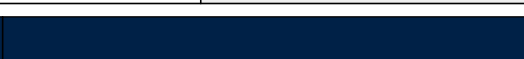
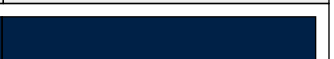






	Name				Type				Gender		Email				Contact	
	Rohit Sharma				Faculty											

ul66.0ohit Sharma

Facul66 156.





53	Development of cost-effective impedimetric immunosensor for MT	Process Innovation	Technological	BNPU, CIC-B												
																
																
																
																
																







1	Rootworkz Learning	Product Innovation	Technological	253	no2s1	33d00	g 1 0 0 1 37133	ImT 0 0 rg (techno201153	201153	Receiv	1 371.3	Im 0Tm 1 1 1 r 371	34 545 Tm0ate0	g447.Name)T] 0 g ET BT 1 0 0 1ward / 0 0 rg (techno2s433.2s48 0 g ET BT 1 0 0	Posi	Tm 0 / 0 0
							Venture with Corporate Identification Number (CIN) Registration			Incubation Support from Incubation Unit		Agency Name	Punjab State Council of Science and Techno2s1153 logical			



3	AV Nutricare Pvt. Ltd.	Product Innovation	Techno log62 170.74 24 re	(Techno)Tj	g 1 0 0 137.63 573 Tm /F2 7 Tf	053 re79	re S 0.5 w 339.95 6	re(Techno)Tj 0 g 1 9 Tm 0 0 0 rg	(lg62 170.74 24 49 15 w 210.7 15re	S 0.5 w 535.74 17 rr rg (Product)Tj 0 g 1 0 0 1	88.62 566 Tm7	







**Section 8 > iii : List the IP (Patents only) Filed by the HEI as Applicant / Co-applicant / Co-owner**

Srno	Title/Name of Patent	IP Registration Number	Date of Filed/Published (Year, Month)	Application Level	Copy of receipt / application screenshot [PDF or Image]
1	A Nosode from a Protozoan of the Genus Leishmania and the process of preparation thereof	201811009785	National	2019 - 06	Uploaded
2	A nosode from a protozoon of the genus Plasmodium and the process of preparation thereof	201811009598	National	2019 - 06	Uploaded
3	A synthetic Peptide Possessing Antimicrobial and Anticancer Properties.	202011015631	National	2019 - 04	NA
4	Novel process of production of 2-Hydroxybenzoic acid from 2-Hydroxybenzotrile using a transformed	201911027001	National	2019 - 05	NA
5	Novel scale-up bioreactors for multiple process optimizations	201911026938	National	2019 - 05	Uploaded
6	Solid lipid nanoparticles of curcumindressing	PCT/IB2019/06	International	2019 - 11	NA
7	Orally dispersible taste masked formulations of bitter drugs	201911048645	National	2019 - 11	NA
8	Probiotic and curcumin wound dressing	202011004849	National	2020 - 02	NA
9	ANTI-BIOFOULING COMPOSITION AND USES THEREOF	202011003836	National	2020 - 01	NA
10	A Process for the production of laccase enzyme and of pulp biobleaching employing said enzyme	202011001901	National	2020 - 01	NA
11	A ovel nosode from a protozoon of the genus Plasmodium and the process of preperation there of	PCT/IN2019/05	International	2019 - 12	Uploaded
12	Enzyme based hair dye formulation	201911030032	National	2019 - 07	Uploaded