



# ARIIA

## ATAL RANKING OF INSTITUTIONS ON INNOVATION ACHIEVEMENTS



**MoE**  
Ministry of Education  
Government of India

### Submitted Institute Data for Atal Ranking of Institutions on Innovation Achievements (ARIIA) - 2020-21

Institute Name: Dr. B R Ambedkar National Institute of Technology, Jalandhar [ARI-U-0374]

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

Department / Center / Unit Name	Type of Department / Center / Unit	Mention the Stream / Discipline / Sector of focus	Department / Center / Unit Level	Program Type	Student / Beneficiary Strength (2019-20)	Academic Staff Strength (2019-20)	Non-academic Staff Strength (2019-20)
Department of Biotechnology	Academic Department with lab facility	Biotechnology	UG / PG / PhD	Both	47	8	5
Department of Chemical Engineering	Academic Department with lab facility	Chemical Engineering	UG / PG / PhD	Technical	112	17	5
Chemistry	Academic Department with lab facility	Chemistry	UG / PG / PhD	Both	56	11	15
Department of Civil Engineering	Academic Department with lab facility	Civil Engineering	UG / PG / PhD	Technical	119	16	5
Department of Computer Science and Engineering	Academic Department with lab facility	Computer Science and Engineering	UG / PG / PhD	Technical	127	21	9
Department of Electronics and Communication Engineering	Academic Department with lab facility	Electronics and Communication Engineering	UG / PG / PhD	Technical	185	14	20
Department of Electrical Engineering	Academic Department with lab facility	Electrical Engineering	UG / PG / PhD	Technical	62	4	3
Department of Industrial and Production Engineering	Academic Department with lab facility	Industrial and Production Engineering	UG / PG / PhD	Technical	172	20	3
Department of Information Technology	Academic Department with lab facility	Information Technology	UG / PG / PhD	Technical	59	3	2
Department of Instrumentation and Control Engineering	Academic Department with lab facility	Instrumentation and Control Engineering	UG / PG / PhD	Technical	145	15	6
Department of Mechanical Engineering	Academic Department with lab facility	Mechanical Engineering	UG / PG / PhD	Technical	128	21	7
Department of Textile Technology	Academic Department with lab facility	Textile Technology	UG / PG / PhD	Technical	103	14	5
Physics	Academic Department with lab facility	Physics	UG / PG / PhD	Both	46	12	18
Mathematics	Academic Department with lab facility	Mathematics	UG / PG / PhD	Both	100	10	2
Humanities and Management	Academic Department with lab facility	Humanities and Management	UG / PG / PhD	Both	50	7	2
Technology incubation center	Incubation Unit	IPR, Startups, Patents and Projects	UG / PG / PhD	Both	0	5	5

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

Space Technology Incubation Centre	Incubation Unit	IPR, Startup, Projects and Patents	UG / PG / PhD	Both	0	24	3
Centre of Excellence	Centre of Excellence with Advance Tools & Equipment	All streams	UG / PG / PhD	Both	0	10	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	No	Not Required
Establishment of Institution's Innovation Council (IIC) at HEI	Yes	IIC Registration ID : IC201810543
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)	No	Not Required

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

Srno	Name of Program (Full Name)	Program Theme	Program Type	Program Category	Organizing Department / Centre / Student Body Name	Program Start Date	Program End Date	Program Duration (in Days)	Program Location	Internal Participants (Student)	Internal Participants (Faculty)	External Participants (Student)	External Participants (Faculty)	Total Number of Participants	Had institute spent expenses either from own resource/received fund to organise the program/activity/event?	Did any of the participants received any awards/recognition for startup / innovation ideas / research?
1	Intellectual Property Rights and Innovative Entrepreneurship	IPR, Entrepreneurship/Startup, Innovation	Workshop	Institute Lead Activity	Department of Biotechnology	01-04-2019 00:00:00	05-04-2019 00:00:00	5	Within Campus	12	6	45	12	75	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) 55000	No
2	Emerging Technologies for Next-generation Bio-fuels and Bio-products	Entrepreneurship/Startup, Innovation	Seminar	Institute Lead Activity	Department of Chemical Engineering, NIT Jalandhar	21-02-2020 00:00:00	25-02-2020 00:00:00	5	Within Campus	15	11	20	4	50	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) 60000	No
3	Advancements in Manufacturing and Material Processing – AMMP	Entrepreneurship/Startup, Innovation	Seminar	Institute Lead Activity	Department of Industrial and Production Engineering	02-01-2020 00:00:00	06-01-2020 00:00:00	5	Within Campus	25	8	35	4	72	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) 60000	No

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

4	Advanced Functional Materials	Entrepreneurship/Startup, Innovation	Seminar	Institute Lead Activity	Department of Physics	30-12-2019 00:00:00	03-01-2020 00:00:00	5	Within Campus	20	8	35	5	68	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	55000	No
5	Effective Research Proposal and Paper Writing (ERPPW)	Entrepreneurship/Startup, Innovation	Training	Institute Lead Activity	Department of Industrial and Production Engineering (IPE), NIT Jalandhar	20-12-2019 00:00:00	24-12-2019 00:00:00	5	Within Campus	18	8	35	4	65	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	60000	No
6	FEM and Modal Analysis in Engineering (FEMMAE -19)	Entrepreneurship/Startup, Innovation	Seminar	Institute Lead Activity	Department of Mechanical Engineering, NIT Jalandhar	24-12-2019 00:00:00	28-12-2019 00:00:00	5	Within Campus	18	12	35	5	70	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	60000	No
7	Advances in Manufacturing Methods and Process Optimization	Entrepreneurship/Startup, Innovation	Training	Institute Lead Activity	Department of Industrial and Production Engineering (IPE), NIT Jalandhar	11-12-2019 00:00:00	16-12-2019 00:00:00	6	Within Campus	15	8	35	8	66	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	60000	No
8	Machine Learning Tools and Techniques (MLTT-2019)	Entrepreneurship/Startup, Innovation	Seminar	Institute Lead Activity	Department of Computer Science and Engineering, Department of Instrumentation and Control Engineering, Dr. B. R. Ambedkar National Institute of Technology Jalandhar	07-12-2019 00:00:00	11-12-2019 00:00:00	5	Within Campus	15	9	38	5	67	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	60000	No

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

9	Artificial Intelligence using Deep Learning and Machine Learning	Entrepreneurship/Startup, Innovation	Seminar	Institute Lead Activity	Department of Electronics and Communication Engineering	09-12-2019 00:00:00	13-12-2019 00:00:00	5	Within Campus	18	5	39	5	67	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	58000	No
10	Contemporary Extents in Industrial Operations (CEIO-2019)	Entrepreneurship/Startup, Innovation	Seminar	Institute Lead Activity	Department of Industrial and Production Engineering (IPE), NIT Jalandhar	06-12-2019 00:00:00	10-12-2019 00:00:00	5	Within Campus	15	5	30	10	60	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	60000	No
11	Advances in Operations Management for Manufacturing Systems	Entrepreneurship/Startup, Innovation	Seminar	Institute Lead Activity	Department of Industrial and Production Engineering	02-12-2019 00:00:00	06-12-2019 00:00:00	5	Within Campus	16	11	35	5	67	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	55000	No
12	MEDICAL TEXTILE S AND TISSUE ENGINEERING	Entrepreneurship/Startup, Innovation	Seminar	Institute Lead Activity	Department of Textile Technology, NIT Jalandhar	07-11-2019 00:00:00	11-11-2019 00:00:00	5	Within Campus	15	9	35	5	64	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	52000	No
13	Fatigue of Composite Materials	Entrepreneurship/Startup, Innovation	Skill development	Institute Lead Activity	Departments of Mechanical Engineering and Civil Engineering	11-11-2019 00:00:00	15-11-2019 00:00:00	5	Within Campus	15	11	35	5	66	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	60000	No
14	Embedded Systems and Wireless Sensor Network for Internet of Things (IoT)	IPR, Entrepreneurship/Startup, Innovation	Workshop	Institute Lead Activity	Department of Instrumentation and Control Engineering (ICE), NIT Jalandhar	08-11-2019 00:00:00	12-11-2019 00:00:00	5	Within Campus	15	8	35	5	63	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	55000	No

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

15	Advances in Construction Materials and Methods	Entrepreneurship/Startup, Innovation	Workshop	Institute Lead Activity	Department of Civil Engineering, Dr B R Ambedkar National Institute of Technology, Jalandhar	01-07-2019 00:00:00	05-07-2019 00:00:00	5	Within Campus	15	8	35	5	63	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	60000	No
16	Material Characterization Techniques	Entrepreneurship/Startup, Innovation	Skill development	Institute Lead Activity	Department of Physics and Department of Mechanical Engineering, NIT Jalandhar	17-06-2019 00:00:00	21-06-2019 00:00:00	5	Within Campus	10	8	40	8	66	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	60000	No
17	Recent Trends in Biomedical Signal Processing and VLSI Design	Entrepreneurship/Startup, Innovation	Seminar	Institute Lead Activity	Department of Electronics and Communication Engineering, NIT Jalandhar	30-05-2019 00:00:00	03-06-2019 00:00:00	5	Within Campus	10	8	45	5	68	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	55000	No
18	Recent Advancement in Biomaterials and Nanotechnology for Biomedical Applications	Entrepreneurship/Startup, Innovation	Seminar	Institute Lead Activity	Department of Biotechnology, NIT Jalandhar	24-05-2019 00:00:00	28-05-2019 00:00:00	5	Within Campus	15	8	35	5	63	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	58000	No
19	Research Trends in Wireless Communication systems	Entrepreneurship/Startup, Innovation	Seminar	Institute Lead Activity	Department of Electronics and Communication Engineering	25-05-2019 00:00:00	29-05-2019 00:00:00	5	Within Campus	10	8	36	5	59	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	60000	No
20	Innovations and Future Perspectives in Chemical Sciences and Technology	Entrepreneurship/Startup, Innovation	Seminar	Institute Lead Activity	Department of Chemistry, NIT Jalandhar	16-04-2019 00:00:00	20-04-2019 00:00:00	5	Within Campus	11	10	38	5	64	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	58000	No

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

21	Soft Skills and Academic Communication	Entrepreneurship/Startup, Innovation	Skill development	Institute Lead Activity	Department of Humanities and Management and Centre of Training and Placement	05-03-2020 00:00:00	09-03-2020 00:00:00	5	Within Campus	35	16	15	5	71	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	51300	No
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**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**

Srno	Name of Program (Full Name)	Program Theme	Program Type	Organizing Agency / Institute Name	Organizing Agency Type	Program Start Date	Program End Date	Program Duration (in Days)	Participants (Students)	Participants (Faculty)	Total Number of Participants	Awards/Recognitions/Achievements	Award / Position / Recognition Secured	Title of Innovation / Start-up Secured the Award / Recognition	Had institute spent expenses either from own resource/ received fund towards sending delegation to participate / represent the activity /event?	Did any of the participants received any awards/recognition for startup / innovation ideas / research	
1	Fresh and mechanical properties of recycled steel fiber reinforced self consolidating concrete	IPR	Conference	University of Illinois Chicago, USA	International Agencies	16-06-2019 00:00:00	20-06-2019 00:00:00	5	40	15	55	No	---	---	Total Expense Amount Incurred by Institute? (In Rupees)	27000	No
2	Second harmonic generation by a self focused hermite gaussian Laser beam in collisionless plasma	IPR	Conference	Nizhny Navgorod Russia	Educational Institute	28-06-2019 00:00:00	04-07-2019 00:00:00	7	35	12	47	No	---	---	Total Expense Amount Incurred by Institute? (In Rupees)	39900	No

**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**

3	A note on experimental exercises goldratts production planning and control system A fundamental and powerful concept in operational management	IPR	Conference	IIM sambalpur	Educational Institute	27-12-2019 00:00:00	30-12-2019 00:00:00	4	40	20	60	No	---	---	Total Total Expense Amount Incurred by Institute? (In Rupees)	8500	No
4	Workshop cum winter School on methods for nonlinear Dynamical System and chaos	IPR	Workshop	MNIT Jaipur	Educational Institute	23-12-2019 00:00:00	27-12-2019 00:00:00	5	50	20	70	No	---	---	Total Total Expense Amount Incurred by Institute? (In Rupees)	1500	No
5	Utilization of MSWI of Ash with cement and fiber for geotechnical applications	IPR	Conference	Annapolis Washington USA	International Agencies	22-03-2020 00:00:00	25-03-2020 00:00:00	4	200	20	220	No	---	---	Total Total Expense Amount Incurred by Institute? (In Rupees)	70250	No
6	Study the Influence of fly ash lime fines obtained from demolished structures waste on geotechnical and strength characteristics of soil	IPR	Conference	University of Illinois Chicago USA	Educational Institute	16-06-2019 00:00:00	20-06-2019 00:00:00	5	50	15	65	No	---	---	Total Total Expense Amount Incurred by Institute? (In Rupees)	20000	No
7	Soft skills and Academic Communication	IPR	Workshop	Department of Physics NIT Jalandhar	Educational Institute	05-03-2020 00:00:00	09-03-2020 00:00:00	5	60	20	80	No	---	---	Total Total Expense Amount Incurred by Institute? (In Rupees)	1000	No

**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**

8	Spins of excited super deformed band in TI Using soft rotor formula	IPR	Workshop	Rila Mountains Sofia Bulgaria	International Agencies	23-06-2019 00:00:00	29-06-2019 00:00:00	7	55	12	67	No	---	---	Total Expense Amount Incurred by Institute? (In Rupees)	37000	No
9	Generalized Parton Distributions and Transverse Momentum Distribution of Pion	IPR	Conference	Carnegie Mellon University Pennsylvania USA	International Agencies	02-06-2019 00:00:00	07-06-2019 00:00:00	6	60	16	76	No	---	---	Total Expense Amount Incurred by Institute? (In Rupees)	33115	No
10	Advanced functional Materials	IPR	Workshop	NIT Jalandhar	Educational Institute	30-12-2019 00:00:00	03-01-2020 00:00:00	5	30	18	48	No	---	---	Total Expense Amount Incurred by Institute? (In Rupees)	1500	No
11	Catalysis	IPR	Workshop	NIT Jalandhar	Educational Institute	10-08-2019 00:00:00	14-08-2019 00:00:00	5	55	12	67	No	---	---	Total Expense Amount Incurred by Institute? (In Rupees)	500	No
12	Heterogeneous Catalysts for Industrial Applications	IPR	Workshop	NIT Jalandhar	Educational Institute	08-07-2019 00:00:00	12-07-2019 00:00:00	5	60	15	75	No	---	---	Total Expense Amount Incurred by Institute? (In Rupees)	3000	No
13	Condensation Characteristic of R 134a and R 404A in horizontal Micro Finned Tubes	IPR	Conference	Montreal Canada	International Agencies	24-08-2019 00:00:00	30-08-2019 00:00:00	7	50	22	72	No	---	---	Total Expense Amount Incurred by Institute? (In Rupees)	36330	No
14	Advance function materials	IPR	Workshop	NIT Jalandhar	Educational Institute	30-12-2019 00:00:00	03-01-2020 00:00:00	5	60	12	72	No	---	---	Total Expense Amount Incurred by Institute? (In Rupees)	1500	No



**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**

15	Effective Research proposal and paper writing	IPR	Workshop	NIT Jalandhar	Educational Institute	20-12-2019 00:00:00	24-12-2019 00:00:00	5	55	15	70	No	---	---	Total Total Expense Amount Incurred by Institute? (In Rupees)	500	No
16	Moisture management behaviour of Eli twist knitted fabric	IPR	Conference	Ghent University Ghent Belgium	Educational Institute	11-06-2019 00:00:00	15-06-2019 00:00:00	5	60	12	72	No	---	---	Total Total Expense Amount Incurred by Institute? (In Rupees)	56550	No
17	Comprehensive Analysis of performance and Emission characteristics of an indirect injection compressive ignition Engine Fueled with Argemone mexicana Biodiesel	IPR	Conference	University of Illinois Chicago USA	Educational Institute	16-06-2019 00:00:00	20-06-2019 00:00:00	5	50	12	62	No	---	---	Total Total Expense Amount Incurred by Institute? (In Rupees)	24850	No
18	Properties of concrete incorporating matakaolin flyash and recycled concrete Aggregates	IPR	Conference	5th International Conference on Sustainable construction materials and technologies being held at london UK	Educational Institute	14-07-2019 00:00:00	17-07-2019 00:00:00	4	55	12	67	No	---	---	Total Total Expense Amount Incurred by Institute? (In Rupees)	40000	No
19	Recent advancement in Biomaterials and nanotechnology for biomedical Applications	IPR	Workshop	NIT Jalandhar	Educational Institute	24-05-2019 00:00:00	28-05-2019 00:00:00	5	55	20	75	No	---	---	Total Total Expense Amount Incurred by Institute? (In Rupees)	3000	No

**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**

20	Green synthesis of zinc oxide encapsulated zinc hexacyanoferrate nanocomposites Photocatalytic degradation of carcinogenic polycyclic aromatic hydrocarbons	IPR	Conference	University of Illinois Chicago USA	Educational Institute	16-06-2019 00:00:00	20-06-2019 00:00:00	5	60	14	74	No	---	---	Total Expense Amount Incurred by Institute? (In Rupees)	19500	No
21	Synthesis of chemical libraries of biological Potential beta carboline based molecular architectures from kumujian C	IPR	Conference	University of agriculture science Bengaluru karnataka	Educational Institute	03-01-2020 00:00:00	07-01-2020 00:00:00	5	70	13	83	No	---	---	Total Expense Amount Incurred by Institute? (In Rupees)	1800	No
22	Global Initiative of Academic networks	IPR	Workshop	NIT Jalandhar	Educational Institute	02-12-2019 00:00:00	07-12-2019 00:00:00	6	60	12	72	No	---	---	Total Expense Amount Incurred by Institute? (In Rupees)	3525	No
23	Contemporary Extent in industrial Operations	IPR	Workshop	NIT Jalandhar	Educational Institute	06-12-2019 00:00:00	10-12-2019 00:00:00	5	51	14	65	No	---	---	Total Expense Amount Incurred by Institute? (In Rupees)	500	No
24	Advances in operations management for manufacturing system	IPR	Workshop	NIT jalandhar	Educational Institute	02-12-2019 00:00:00	06-12-2019 00:00:00	5	50	5	55	No	---	---	Total Expense Amount Incurred by Institute? (In Rupees)	1000	No
25	recent innovations in computing	IPR	Conference	Central university of Jammu Jammu and Kashmir	Educational Institute	20-03-2020 00:00:00	28-03-2020 00:00:00	9	60	15	75	No	---	---	Total Expense Amount Incurred by Institute? (In Rupees)	4100	No

**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**

26	Gian Course on fatigue of composite materials	IPR	Workshop	NIT Jalandhar	Educational Institute	11-11-2019 00:00:00	15-11-2019 00:00:00	5	50	12	62	No	---	---	Total Expense Amount Incurred by Institute? (In Rupees)	2500	No
27	The Art of teaching and learning Engineering Graphics	IPR	Workshop	NIT Calicut Kerala	Educational Institute	30-12-2019 00:00:00	03-01-2020 00:00:00	5	100	23	123	No	---	---	Total Expense Amount Incurred by Institute? (In Rupees)	5000	No
28	Advanced functional materials	IPR	Workshop	NIT Jalandhar	Educational Institute	30-12-2019 00:00:00	03-01-2020 00:00:00	5	50	15	65	No	---	---	Total Expense Amount Incurred by Institute? (In Rupees)	1500	No
29	Future Talent	IPR	Workshop	TU Darmstadt Germany	International Agencies	13-05-2019 00:00:00	16-05-2019 00:00:00	4	60	10	70	No	---	---	No		No
30	Soft Skills and academic communication	IPR	Workshop	NIT Jalandhar	Educational Institute	05-03-2020 00:00:00	09-03-2020 00:00:00	5	40	10	50	No	---	---	Total Expense Amount Incurred by Institute? (In Rupees)	1000	No
31	L K Awasthi	IPR	Orientation Session	University of Missouri	International Agencies	09-03-2020 00:00:00	09-03-2020 00:00:00	1	25	3	28	No	---	---	Total Expense Amount Incurred by Institute? (In Rupees)	600000	No
32	MOU	IPR	Orientation Session	NITTR	Govt. Agency (Central)	12-02-2020 00:00:00	12-02-2020 00:00:00	1	0	11	11	No	---	---	Total Expense Amount Incurred by Institute? (In Rupees)	20000	No

**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	Optimization and Statistical Models and Tools OSMT 2020	IPR, Entrepreneurship/Startup, Innovation	Short term Course	Short Term Certificate Course	Department of mathematics	26-08-2020	30-08-2020	5	Online	45	35

2	Construction Materials and Methods in Civil Engineering	IPR, Innovation	Short term Course	Short Term Certificate Course	Department of civil engineering	25-08-2020	29-08-2020	5	Online	28	35
3	Exploring Potential STC on 2020 research advances towards generating leading investigators	IPR, Entrepreneurship/Startup, Innovation	Short term Course	Short Term Certificate Course	Department of Computer Science and Engineering	24-08-2020	28-08-2020	5	Online	50	40
4	Material Characterization Techniques	IPR, Innovation	Short term Course	Short Term Certificate Course	Department of Mechanical Engineering	24-08-2020	28-08-2020	5	Online	55	40
5	Impact and strategies for higher education Comprehensive Research Pedagogy Methodology and Design	IPR, Entrepreneurship/Startup, Innovation	Short term Course	Short Term Certificate Course	Department of Electrical Engineering	17-08-2020	21-08-2020	5	Online	30	36
6	Effective Tools and Techniques in Qualitative Research	IPR, Innovation	Short term Course	Short Term Certificate Course	Department of Electronics and Communication Engineering	10-08-2020	14-08-2020	5	Online	35	36
7	Identify the Weakest Link An International e STC on recent attacking and defensive strategies	IPR, Innovation	Short term Course	Short Term Certificate Course	Department of Computer Science and Engineering	10-08-2020	14-08-2020	5	Online	34	31
8	Cryogenics And Composites Theory and Applications CCTA 2020	IPR, Innovation	Short term Course	Short Term Certificate Course	Department of Instrumentation and Control Engineering	03-08-2020	07-08-2020	5	Online	36	31
9	Computer Applications	Entrepreneurship/Startup, Innovation	Short term Course	Short Term Certificate Course	Department of Computer science	03-08-2020	07-08-2020	5	Online	40	32
10	Modeling and Identification of Physiological Systems	IPR, Innovation	Short term Course	Short Term Certificate Course	Department of Instrumentation and Control Engineering	27-07-2020	31-07-2020	5	Online	38	31
11	Cyber Safety	IPR, Entrepreneurship/Startup	Short term Course	Short Term Certificate Course	Department of Computer Science and Engineering	28-07-2020	01-08-2020	5	Online	32	31
12	Industry 4 and Smart Manufacturing Opportunities and Challenges	IPR, Innovation	Short term Course	Short Term Certificate Course	Department of Industrial and Production Engineering	20-07-2020	24-07-2020	5	Online	40	36
13	Happiness and Yoga in Engineering Practice	Innovation	Short term Course	Short Term Certificate Course	Dr B R Ambedkar National Institute of Technology Jalandhar	22-06-2020	26-06-2020	5	Online	60	36
14	Recent Trends in Textile and Fashion	IPR	Short term Course	Short Term Certificate Course	Department of Textile Technology	22-06-2020	26-06-2020	5	Online	32	31

15	Nanoscience for Engineering Applications	IPR, Innovation	Short term Course	Short Term Certificate Course	Professor in Department of Textile Technology	22-06-2020	26-06-2020	5	Online	31	30
16	Emerging Technologies for Next generation Bio fuels and Bioproducts	IPR, Entrepreneurship/Startup	Short term Course	Short Term Certificate Course	Department of Chemical Engineering	21-02-2020	25-02-2020	5	Online	35	31
17	Effective Research Proposal and Paper Writing ERPPW	IPR, Entrepreneurship/Startup, Innovation	Short term Course	Short Term Certificate Course	ERPPW	20-12-2019	24-12-2019	5	Offline	31	35
18	FEM and Modal Analysis in Engineering FEMMAE 19	IPR, Entrepreneurship/Startup, Innovation	Short term Course	Short Term Certificate Course	Department of Mechanical Engineering	24-12-2019	28-12-2019	5	Offline	50	36
19	Effective Research Proposal and Paper Writing ERPPW	IPR, Entrepreneurship/Startup, Innovation	Short term Course	Short Term Certificate Course	Department of Industrial and Production Engineering	20-12-2019	24-12-2019	5	Offline	34	31
20	Machine Learning Tools and Techniques MLTT-2019	IPR, Entrepreneurship/Startup	Short term Course	Short Term Certificate Course	Department of Computer Science and Engineering and the Department of Instrumentation and Control Engineering	07-12-2019	11-12-2019	5	Offline	36	31
21	Artificial Intelligence using Deep Learning and Machine Learning	IPR, Entrepreneurship/Startup	Short term Course	Short Term Certificate Course	Department of electronics and Communication Engineering	09-12-2019	13-12-2019	5	Offline	35	31
22	Contemporary Extents in Industrial Operations	IPR, Entrepreneurship/Startup	Short term Course	Short Term Certificate Course	Department of industrial and production engineering	06-12-2019	10-12-2019	5	Offline	40	32
23	Artificial Intelligence using Deep Learning and Machine Learning	IPR, Entrepreneurship/Startup	Short term Course	Short Term Certificate Course	Department of Electronics and Communication	09-12-2019	13-12-2019	5	Offline	40	35
24	Advances in Operations Management for Manufacturing Systems	IPR, Entrepreneurship/Startup	Short term Course	Short Term Certificate Course	Department of Industrial and Production Engineering	02-12-2019	06-12-2019	5	Offline	40	32
25	MEDICAL TEXTILES AND TISSUE ENGINEERING	IPR, Entrepreneurship/Startup, Innovation	Short term Course	Short Term Certificate Course	Department of Textile Technology	07-11-2019	11-11-2019	5	Offline	35	30
26	Fatigue of Composite Materials	IPR, Innovation	Short term Course	Short Term Certificate Course	Departments of Mechanical Engineering and Civil Engineering	11-09-2019	15-09-2019	5	Offline	50	35
27	Advances in Construction Materials and Methods	IPR, Entrepreneurship/Startup, Innovation	Short term Course	Short Term Certificate Course	Department of Civil Engineering	01-07-2019	05-07-2019	5	Offline	55	35

28	Material Characterization Techniques	IPR, Entrepreneurship/Startup, Innovation	Short term Course	Short Term Certificate Course	Department of Physics and Department of Mechanical Engineering	17-06-2019	21-06-2019	5	Offline	55	32
29	Research Trends in Wireless Communication systems	IPR, Entrepreneurship/Startup, Innovation	Short term Course	Short Term Certificate Course	Department of Electronics and Communication Engineering	25-05-2019	29-05-2019	5	Offline	40	32
30	Artificial Intelligence using Deep Learning and Machine Learning	IPR, Entrepreneurship/Startup, Innovation	Short term Course	Short Term Certificate Course	Department of Electronics and Communication Engineering	09-12-2019	13-12-2019	5	Offline	45	32
31	Contemporary Extents in Industrial Operations	IPR, Entrepreneurship/Startup	Short term Course	Short Term Certificate Course	Department of Industrial and Production Engineering	06-12-2019	10-12-2019	5	Offline	35	31
32	Artificial Intelligence using Deep Learning and Machine Learning	IPR, Entrepreneurship/Startup, Innovation	Short term Course	Short Term Certificate Course	Department of Electronics and Communication Engineering	09-12-2019	13-12-2019	5	Offline	35	31
33	Advances in Construction Materials and Methods	IPR, Entrepreneurship/Startup, Innovation	Short term Course	Short Term Certificate Course	Department of Civil Engineering	01-07-2019	05-07-2019	5	Offline	38	32
34	Recent Trends in Biomedical Signal Processing and VLSI Design	IPR, Entrepreneurship/Startup, Innovation	Short term Course	Short Term Certificate Course	Department of Electronics and Communication Engineering	29-05-2019	03-06-2019	6	Offline	35	31
35	Recent Advancement in Biomaterials and Nanotechnology for Biomedical Applications	IPR, Entrepreneurship/Startup, Innovation	Short term Course	Short Term Certificate Course	Department of Biotechnology	24-05-2019	28-05-2019	5	Offline	37	31
36	Innovations and Future Perspectives in Chemical Sciences and Technology	IPR, Entrepreneurship/Startup, Innovation	Short term Course	Short Term Certificate Course	Department of Chemistry	16-04-2019	20-04-2019	5	Offline	40	31
37	Innovations and Future Perspectives in Chemical Sciences and Technology	IPR, Entrepreneurship/Startup, Innovation	Short term Course	Short Term Certificate Course	Department of Chemistry	16-04-2019	20-04-2019	5	Offline	45	32
38	Current Avenues of Research in Electronics and Communication Engineering	IPR, Entrepreneurship/Startup, Innovation	Short term Course	Short Term Certificate Course	Department of Electronics and Communication Engineering	25-03-2019	29-03-2019	5	Offline	45	32
39	Emerging Trends in Highway Engineering and Infrastructure Development	IPR, Entrepreneurship/Startup, Innovation	Short term Course	Short Term Certificate Course	Department of Civil Engineering	23-06-2020	27-06-2020	5	Online	50	32
40	Intellectual Property Rights and Innovative Entrepreneurship	IPR, Entrepreneurship/Startup, Innovation	Short term Course	Short Term Certificate Course	Department of Biotechnology	01-03-2019	05-03-2019	5	Offline	40	32

41	Emerging Trends in Highway Engineering and Infrastructure Development	IPR, Innovation	Short term Course	Short Term Certificate Course	Department of Civil engineering	23-06-2020	27-06-2020	5	Online	50	32
42	Latest Developments in Communication and Microwave Technologies	IPR, Innovation	Short term Course	Short Term Certificate Course	Department of Electronics and Communication Engineering	02-09-2020	06-09-2020	5	Online	32	31
43	Use of LaTeX in typesetting technical documents	IPR, Innovation	Short term Course	Short Term Certificate Course	Department of Physics	31-08-2020	04-09-2020	5	Online	35	31
44	Innovation Novelty and Intellectual Property Rights	IPR, Entrepreneurship/Startup	Short term Course	Short Term Certificate Course	Innovation Club Institute Innovation Council MHRD	28-08-2020	01-09-2020	5	Online	50	31
45	EFFECTIVE LOGISTICS FOR SUSTAINABLE ENVIRONMENT	IPR, Entrepreneurship/Startup, Innovation	Short term Course	Short Term Certificate Course	Department of Industrial and Production Engineering	10-08-2020	14-08-2020	5	Online	42	31
46	Reliability Maintainability and Quality Issues in Process Industries	IPR, Entrepreneurship/Startup, Innovation	Short term Course	Short Term Certificate Course	Department of Industrial and Production Engineering	04-08-2020	08-08-2020	5	Online	40	30
47	Advanced Research Methods and Data Analysis Techniques	IPR, Innovation	Short term Course	Short Term Certificate Course	Department of Humanities and Management and Centre for Continuing Education	27-07-2020	31-07-2020	5	Online	40	32
48	Hybrid Manufacturing Processes Opportunities and Challenges	IPR, Entrepreneurship/Startup, Innovation	Short term Course	Short Term Certificate Course	Department of Industrial and Production Engineering	06-07-2020	10-07-2020	5	Online	42	30
49	Additive Manufacturing with Interdisciplinary Applications	IPR, Entrepreneurship/Startup, Innovation	Short term Course	Short Term Certificate Course	Department of Industrial and Production Engineering	29-06-2020	03-07-2020	5	Online	40	30
50	Essential Tools in Optimization	IPR, Entrepreneurship/Startup, Innovation	Short term Course	Short Term Certificate Course	Department of Mathematics	25-06-2020	29-06-2020	5	Online	40	30
51	Supply Chain Management Challenges and Strategies	IPR, Entrepreneurship/Startup, Innovation	Short term Course	Short Term Certificate Course	Department of Industrial and Production Engineering	13-07-2020	17-07-2020	5	Online	50	30
52	Application of Machine and Deep Learning in Engineering Problems	IPR, Entrepreneurship/Startup, Innovation	Short term Course	Short Term Certificate Course	Department of Instrumentation and Control Engineering	09-04-2020	13-04-2020	5	Online	45	30
53	Mathematical Modeling of Complex fluids	IPR	Short term Course	Short Term Certificate Course	Departments of Chemical Engineering	24-04-2020	28-04-2020	5	Online	40	30

54	Current Trends in Condensed Matter Physics CTCMP	IPR, Innovation	Short term Course	Short Term Certificate Course	Department of Physics	17-04-2020	21-04-2020	5	Online	42	30
55	Soft Skills and Academic Communication	IPR, Entrepreneurship/Startup	Short term Course	Short Term Certificate Course	Centre for Training and Placement and Department of Humanities and Management	05-03-2020	09-03-2020	5	Offline	100	32
56	Advancements in Manufacturing and Material Processing AMMP	IPR, Entrepreneurship/Startup	Short term Course	Short Term Certificate Course	Department of Industrial and Production Engineering	02-01-2020	06-01-2020	5	Offline	40	30
57	Advanced Functional Materials	IPR, Innovation	Short term Course	Short Term Certificate Course	Department of Physics	30-12-2019	03-01-2020	5	Offline	40	30
58	Multi Scale Computational Fluid Dynamics Fundamentals and Applications	IPR, Entrepreneurship/Startup, Innovation	Short term Course	Short Term Certificate Course	Department of Mechanical Engineering	21-09-2020	25-09-2020	5	Online	250	34
59	Characterization Techniques in Textiles and Polymers	IPR, Innovation	Short term Course	Short Term Certificate Course	department of Textile Technology	15-12-2020	19-12-2020	5	Online	50	32
60	Information and Communication Technology (ICT) in Education	IPR, Entrepreneurship/Startup, Innovation	Short term Course	Short Term Certificate Course	NIT Jalandhar	04-01-2020	08-01-2020	5	Offline	50	30
61	Modern Practices in Hydrocarbon Engineering MPHE 2K20	IPR, Entrepreneurship/Startup, Innovation	Short term Course	Short Term Certificate Course	Department of Chemical Engineering	27-11-2020	01-12-2020	5	Online	40	30
62	RECENT ADVANCES OF MACHINE LEARNING IN SOFTWARE ENGINEERING	IPR, Innovation	Short term Course	Short Term Certificate Course	Department of Computer science and Engineering	23-11-2020	27-11-2020	5	Online	32	30
63	Textile Testing and Analytical Techniques in Textiles and Fashion	IPR, Innovation	Short term Course	Short Term Certificate Course	Department of Textile Technology	27-11-2020	01-12-2020	5	Online	35	30
64	Online Faculty Development Program on Gamification	IPR, Entrepreneurship/Startup	Short term Course	Short Term Certificate Course	Department of Electronics and Communication Engineering	16-11-2020	20-11-2020	5	Online	36	30
65	Advances in Chemical Biochemical and Allied Industries ACBAI 2020	IPR, Entrepreneurship/Startup, Innovation	Short term Course	Short Term Certificate Course	Department of Biotechnology and Centre for Energy and Environment	05-11-2020	09-11-2020	5	Online	40	30
66	Sustainable Resilient and Smart Built Infrastructure in Developing Countries	IPR, Entrepreneurship/Startup, Innovation	Short term Course	Short Term Certificate Course	Department of Civil Engineering	20-10-2020	24-10-2020	5	Online	42	32
67	Future Perspectives of Research in Chemical Science and Technology	IPR, Entrepreneurship/Startup, Innovation	Short term Course	Short Term Certificate Course	Department of Chemistry	20-10-2020	24-10-2020	5	Online	42	32



68	Challenges and Opportunities in Collection Storage and Utilization of Solar Thermal Energy COCSUSTE 20	IPR, Entrepreneurship/Startup, Innovation	Short term Course	Short Term Certificate Course	Department of Mechanical Engineering	19-10-2020	23-10-2020	5	Online	40	30
69	Recent Advances in Sensor Design and Interface Circuits RASIC 2020	IPR, Entrepreneurship/Startup, Innovation	Short term Course	Short Term Certificate Course	Department of Instrumentation and Control Engineering	15-10-2020	19-10-2020	5	Online	42	30
70	Sustainable Resilient and Smart Built Infrastructure in Developing Countries	IPR, Entrepreneurship/Startup, Innovation	Short term Course	Short Term Certificate Course	Department of Civil Engineering	20-10-2020	24-10-2020	5	Online	45	30
71	Gender Equality and Violence against Women during COVID-19 (GEVW-2020)	IPR, Entrepreneurship/Startup, Innovation	Short term Course	Short Term Certificate Course	Department of Electronics and Communication Engineering	09-10-2020	13-10-2020	5	Online	45	32
72	Current Industrial Practices in Chemical Engineering	IPR, Innovation	Short term Course	Short Term Certificate Course	Department of Chemical Engineering	07-10-2020	11-10-2020	5	Online	42	30
73	Manufacturing technologies for tissue engineering and drug delivery systems	IPR, Entrepreneurship/Startup, Innovation	Short term Course	Short Term Certificate Course	Department of Biotechnology	03-10-2020	07-10-2020	5	Online	36	30
74	Exploratory Applications of Control and Instrumentation EACI 2020	IPR, Entrepreneurship/Startup, Innovation	Short term Course	Short Term Certificate Course	Department of Instrumentation and Control Engineering	26-09-2020	30-09-2020	5	Online	40	30
75	Communication Strategies and Statistical Applications	IPR, Entrepreneurship/Startup, Innovation	Short term Course	Short Term Certificate Course	Department of Humanities and Management and Department of Mathematics	23-09-2020	27-09-2020	5	Online	40	30
76	Recent Trends in Advanced Materials and Devices	IPR, Entrepreneurship/Startup, Innovation	Short term Course	Short Term Certificate Course	Department of Physics	21-09-2020	25-09-2020	5	Online	42	30
77	Matrix Analysis and its Applications	IPR, Entrepreneurship/Startup, Innovation	Short term Course	Short Term Certificate Course	Department of Mathematics	23-09-2020	27-09-2020	5	Online	50	30
78	The Education Factory	IPR, Entrepreneurship/Startup	Short term Course	Short Term Certificate Course	Department of Industrial and Production Engineering	18-09-2020	22-09-2020	5	Online	40	30
79	Valorization of lignocellulosic biomass towards sustainable fuels chemicals and materials	IPR, Entrepreneurship/Startup, Innovation	Short term Course	Short Term Certificate Course	Center for Energy and Environment	18-09-2020	22-09-2020	5	Online	40	30
80	Operation and Control of Next Generation Restructured Low Carbon Power System	IPR, Entrepreneurship/Startup, Innovation	Short term Course	Short Term Certificate Course	Department of Electrical Engineering	17-09-2020	21-09-2020	5	Online	36	30

81	Process Modeling Simulation Control and Optimization	IPR, Innovation	Short term Course	Short Term Certificate Course	Department of Instrumentation and Control Engineering	16-09-2020	20-09-2020	5	Online	45	30
82	Low Power VLSI Design for Communication Systems and Networks	IPR, Entrepreneurship/Startup, Innovation	Short term Course	Short Term Certificate Course	Department of Electronics and Communication Engineering	16-09-2020	20-09-2020	5	Online	35	30
83	Future Scope in Engineering Materials and Tribology	IPR, Entrepreneurship/Startup, Innovation	Short term Course	Short Term Certificate Course	Department of Mechanical Engineering	15-09-2020	19-09-2020	5	Online	40	30
84	Condensed Matter Physics CTCMP 2020	IPR, Entrepreneurship/Startup, Innovation	Short term Course	Short Term Certificate Course	Department of Physics	25-09-2020	29-09-2020	5	Online	40	30
85	Advances in High Energy Physics	IPR, Innovation	Short term Course	Short Term Certificate Course	Department of Physics	18-09-2020	22-09-2020	5	Online	40	30
86	Optimization and Control Design Techniques Innovations and Challenges OCDT	IPR, Entrepreneurship/Startup, Innovation	Short term Course	Short Term Certificate Course	Department of Instrumentation and Control Engineering	17-09-2020	21-09-2020	5	Online	40	30
87	Advanced Energy Materials	IPR, Innovation	Short term Course	Short Term Certificate Course	Department of Physics	12-10-2020	16-10-2020	5	Online	40	30
88	Stability Analysis Protection and Control of Microgrid SPCMG 2020	IPR, Entrepreneurship/Startup	Short term Course	Short Term Certificate Course	Department of Instrumentation and Control Engineering and the Department of Electrical Engineering	25-09-2020	29-09-2020	5	Online	40	30
89	Certificate course on Cyber Security	Innovation	Short term Course	Short Term Certificate Course	Dr B R Ambedkar NIT Jalandhar	14-09-2020	18-09-2020	5	Online	75	30

**LiList the Employment Generation Skill Development Programs Organized by the HEI on Innovation, IPR and Entrepreneurship Development During the Academic Period (2019-20)**

Sno	Title of the Training Program	Program Theme	Type of Course	Course Offering Department/Centre/ Unit Name	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	Optimization and Statistical Models and Tools OSMT 2020	IPR, Entrepreneurship/Startup	Employment Generation Training Programs	Department of mathematics	26-08-2020	30-08-2020	5	Online	45	35
2	Construction Materials and Methods in Civil Engineering	IPR, Innovation	FDP in I&E / IPR	Department of civil engineering	25-08-2020	29-08-2020	5	Online	28	35
3	Exploring Potential STC on 2020 research advances towards generating leading investigators	IPR, Innovation	Employment Generation Training Programs	Department of Computer Science and Engineering	24-08-2020	28-08-2020	5	Online	50	40

4	Material Characterization Techniques	IPR, Innovation	Employment Generation Training Programs	Department of Mechanical Engineering	24-08-2020	28-08-2020	5	Online	55	40
5	Impact and strategies for higher education Comprehensive Research Pedagogy Methodology and Design	IPR, Innovation	Employment Generation Training Programs	Department of Electrical Engineering	17-08-2020	21-08-2020	5	Online	30	36
6	Effective Tools and Techniques in Qualitative Research	IPR, Innovation	FDP in I&E / IPR	Department of Electronics and Communication Engineering	10-08-2020	14-08-2020	5	Online	35	36
7	Identify the Weakest Link An International e STC on recent attacking and defensive strategies	IPR, Innovation	Employment Generation Training Programs	Department of Computer Science and Engineering	10-08-2020	14-08-2020	5	Online	34	31
8	Cryogenics And Composites Theory and Applications CCTA 2020	IPR, Entrepreneurship/Startup	FDP in I&E / IPR	Department of Instrumentation and Control Engineering	03-08-2020	07-08-2020	5	Online	36	31
9	Computer Applications	IPR, Entrepreneurship/Startup	Employment Generation Training Programs	Department of Computer science	03-08-2020	07-08-2020	5	Online	40	30
10	Modeling and Identification of Physiological Systems	IPR, Innovation	Employment Generation Training Programs	Department of Instrumentation and Control Engineering	27-07-2020	31-07-2020	5	Online	38	31
11	Cyber Safety	IPR, Entrepreneurship/Startup	FDP in I&E / IPR	Department of Computer Science and Engineering	28-07-2020	01-08-2020	5	Online	32	31
12	Industry 4 and Smart Manufacturing Opportunities and Challenges	IPR, Entrepreneurship/Startup, Innovation	Employment Generation Training Programs	Department of Industrial and Production Engineering	20-07-2020	24-07-2020	5	Online	40	30
13	Happiness and Yoga in Engineering Practice	IPR	Employment Generation Training Programs	Dr B R Ambedkar National Institute of Technology Jalandhar	22-06-2020	26-06-2020	5	Online	60	36
14	Recent Trends in Textile and Fashion	IPR, Innovation	Employment Generation Training Programs	Department of Textile Technology	22-06-2020	26-06-2020	5	Online	32	31
15	Nanoscience for Engineering Applications	IPR, Innovation	FDP in I&E / IPR	Professor in Department of Textile Technology	22-06-2020	26-06-2020	5	Online	31	30
16	Emerging Technologies for Next generation Bio fuels and Bioproducts	IPR, Innovation	Employment Generation Training Programs	Department of Chemical Engineering	21-02-2020	25-02-2020	5	Offline	35	31
17	Effective Research Proposal and Paper Writing ERPPW	IPR, Innovation	Employment Generation Training Programs	ERPPW	20-12-2019	24-12-2019	5	Offline	31	35
18	FEM and Modal Analysis in Engineering FEMMAE 19	IPR, Innovation	Employment Generation Training Programs	Department of Mechanical Engineering	24-12-2019	28-12-2019	5	Offline	50	36
19	Effective Research Proposal and Paper Writing ERPPW	IPR, Innovation	Employment Generation Training Programs	Department of Industrial and Production Engineering	20-12-2019	24-12-2019	5	Offline	34	31

20	Machine Learning Tools and Techniques MLTT-2019	IPR, Innovation	Employment Generation Training Programs	Department of Computer Science and Engineering and the Department of Instrumentation and Control Engineering	07-12-2019	11-12-2019	5	Offline	36	31
21	Artificial Intelligence using Deep Learning and Machine Learning	IPR, Innovation	Employment Generation Training Programs	Department of electronics and Communication Engineering	09-12-2019	13-12-2019	5	Offline	35	31
22	Contemporary Extents in Industrial Operations	Entrepreneurship/Startup	Employment Generation Training Programs	Department of industrial and production engineering	06-12-2019	10-12-2019	5	Offline	40	32
23	Artificial Intelligence using Deep Learning and Machine Learning	IPR, Innovation	Employment Generation Training Programs	Department of Electronics and Communication	09-12-2019	13-12-2019	5	Offline	40	35
24	Advances in Operations Management for Manufacturing Systems	IPR, Innovation	Employment Generation Training Programs	Department of Industrial and Production Engineering	02-12-2019	06-12-2019	5	Offline	40	32
25	MEDICAL TEXTILES AND TISSUE ENGINEERING	IPR, Innovation	Employment Generation Training Programs	Department of Textile Technology	07-11-2019	11-11-2019	5	Offline	35	30
26	Fatigue of Composite Materials	IPR, Innovation	Employment Generation Training Programs	Departments of Mechanical Engineering and Civil Engineering	11-09-2019	15-09-2019	5	Offline	50	35
27	Advances in Construction Materials and Method	IPR, Innovation	Employment Generation Training Programs	Department of Civil Engineering	01-07-2019	05-07-2019	5	Offline	55	35
28	Material Characterization Techniques	IPR, Innovation	Employment Generation Training Programs	Department of Physics and Department of Mechanical Engineering	17-05-2019	21-05-2019	5	Offline	55	32
29	Research Trends in Wireless Communication systems	IPR, Innovation	Employment Generation Training Programs	Department of Electronics and Communication Engineering	25-05-2019	29-05-2019	5	Offline	40	32
30	Artificial Intelligence using Deep Learning and Machine Learning	IPR, Innovation	Employment Generation Training Programs	Department of Electronics and Communication Engineering	09-12-2019	13-12-2019	5	Offline	45	32
31	Contemporary Extents in Industrial Operations	IPR, Innovation	Employment Generation Training Programs	Department of Industrial and Production Engineering	06-12-2019	10-12-2019	5	Offline	35	31
32	Artificial Intelligence using Deep Learning and Machine Learning	IPR, Innovation	Employment Generation Training Programs	Department of Electronics and Communication	09-12-2019	13-12-2019	5	Offline	35	31
33	Advances in Construction Materials and Methods	IPR, Innovation	Employment Generation Training Programs	Department of Civil Engineering	01-07-2019	05-07-2019	5	Offline	38	32
34	Recent Trends in Biomedical Signal Processing and VLSI Design	IPR, Innovation	Employment Generation Training Programs	Department of Electronics and Communication Engineering	29-05-2019	03-06-2019	6	Offline	35	31

35	Recent Advancement in Biomaterials and Nanotechnology for Biomedical Applications	IPR, Innovation	Employment Generation Training Programs	Department of Biotechnology	24-05-2019	28-05-2019	5	Offline	37	31
36	Innovations and Future Perspectives in Chemical Sciences and Technology	IPR, Innovation	Employment Generation Training Programs	Department of Chemistry	16-04-2019	20-04-2019	5	Offline	40	31
37	Innovations and Future Perspectives in Chemical Sciences and Technology	IPR, Innovation	Employment Generation Training Programs	Department of Chemistry	16-04-2019	20-04-2019	5	Offline	45	32
38	Current Avenues of Research in Electronics and Communication Engineering	IPR, Innovation	Employment Generation Training Programs	Department of Electronics and Communication Engineering	25-03-2019	29-03-2019	5	Offline	45	32
39	Emerging Trends in Highway Engineering and Infrastructure Development	IPR, Innovation	Employment Generation Training Programs	Department of Civil Engineering	23-06-2020	27-06-2020	5	Offline	50	32
40	Intellectual Property Rights and Innovative Entrepreneurship	IPR, Innovation	FDP in I&E / IPR	Department of Biotechnology	01-03-2019	05-03-2019	5	Offline	40	32
41	Emerging Trends in Highway Engineering and Infrastructure Development	IPR, Entrepreneurship/Startup, Innovation	Employment Generation Training Programs	Department of Civil engineering	23-06-2020	27-06-2020	5	Online	50	32
42	Latest Developments in Communication and Microwave Technologies	IPR, Innovation	FDP in I&E / IPR	Department of Electronics and Communication Engineering	02-09-2020	06-09-2020	5	Online	32	31
43	Use of LateX in typesetting technical documents	IPR, Innovation	Employment Generation Training Programs	Department of Physics	31-08-2020	04-09-2020	5	Online	35	31
44	Innovation Novelty and Intellectual Property Rights	IPR, Innovation	FDP in I&E / IPR	Innovation Club Institute Innovation Council MHRD	28-08-2020	01-09-2020	5	Online	50	31
45	EFFECTIVE LOGISTICS FOR SUSTAINABLE ENVIRONMENT	IPR, Entrepreneurship/Startup	EDP in I&E / IPR	Department of Industrial and Production Engineering	10-08-2020	14-08-2020	5	Online	42	31
46	Reliability Maintainability and Quality Issues in Process Industries	Entrepreneurship/Startup	Employment Generation Training Programs	Department of Industrial and Production Engineering	04-08-2020	08-08-2020	5	Online	40	30
47	Advanced Research Methods and Data Analysis Techniques	IPR, Innovation	Employment Generation Training Programs	Department of Humanities and Management and Centre for Continuing Education	27-07-2020	31-07-2020	5	Online	40	32
48	Hybrid Manufacturing Processes Opportunities and Challenges	IPR, Innovation	Employment Generation Training Programs	Department of Industrial and Production Engineering	06-07-2020	10-07-2020	5	Online	42	30
49	Additive Manufacturing with Interdisciplinary Applications	IPR, Innovation	Employment Generation Training Programs	Department of Industrial and Production Engineering	29-06-2020	03-07-2020	5	Online	40	30
50	Essential Tools in Optimization	IPR, Entrepreneurship/Startup, Innovation	FDP in I&E / IPR	Department of Mathematics	25-06-2020	29-06-2020	5	Online	40	30

51	Supply Chain Management Challenges and Strategies	IPR, Entrepreneurship/Startup	Employment Generation Training Programs	Department of Industrial and Production Engineering	13-07-2020	17-07-2020	5	Online	50	30
52	Application of Machine and Deep Learning in Engineering Problems	IPR, Entrepreneurship/Startup	Employment Generation Training Programs	Department of Instrumentation and Control Engineering	09-04-2020	13-04-2020	5	Online	45	30
53	Mathematical Modeling of Complex fluids	IPR, Entrepreneurship/Startup	FDP in I&E / IPR	Departments of Chemical Engineering	24-04-2020	28-04-2020	5	Online	40	30
54	Current Trends in Condensed Matter Physics CTCMP	Entrepreneurship/Startup, Innovation	Employment Generation Training Programs	Department of Physics	17-04-2020	21-04-2020	5	Online	42	30
55	Soft Skills and Academic Communication	IPR, Entrepreneurship/Startup	EDP in I&E / IPR	Centre for Training and Placement and Department of Humanities and Management	05-03-2020	09-03-2020	5	Offline	100	32
56	Advancements in Manufacturing and Material Processing AMMP	IPR, Entrepreneurship/Startup, Innovation	Employment Generation Training Programs	Department of Industrial and Production Engineering	02-01-2020	06-01-2020	5	Offline	40	30
57	Advanced Functional Materials	IPR, Innovation	Employment Generation Training Programs	Department of Physics	30-12-2019	03-01-2020	5	Offline	40	30
58	Multi Scale Computational Fluid Dynamics Fundamentals and Applications	IPR, Entrepreneurship/Startup, Innovation	Employment Generation Training Programs	Department of Mechanical Engineering	21-09-2020	25-09-2020	5	Online	250	34
59	Characterization Techniques in Textiles and Polymers	IPR, Entrepreneurship/Startup	Employment Generation Training Programs	department of Textile Technology	15-12-2020	19-12-2020	5	Online	50	32
60	Information and Communication Technology (ICT) in Education	IPR, Entrepreneurship/Startup	EDP in I&E / IPR	NIT Jalandhar	04-01-2020	08-01-2020	5	Offline	50	30
61	Modern Practices in Hydrocarbon Engineering MPHE 2K20	IPR, Entrepreneurship/Startup, Innovation	Employment Generation Training Programs	Department of Chemical Engineering	27-11-2020	01-12-2020	5	Online	40	30
62	RECENT ADVANCES OF MACHINE LEARNING IN SOFTWARE ENGINEERING	Entrepreneurship/Startup, Innovation	EDP in I&E / IPR	Department of Computer science and Engineering	23-11-2020	27-11-2020	5	Online	32	30
63	Textile Testing and Analytical Techniques in Textiles and Fashion	IPR, Entrepreneurship/Startup, Innovation	FDP in I&E / IPR	Department of Textile Technology	27-11-2020	01-12-2020	5	Online	35	30
64	Online Faculty Development Program on Gamification	IPR, Entrepreneurship/Startup, Innovation	FDP in I&E / IPR	Department of Electronics and Communication Engineering	16-11-2020	20-11-2020	5	Online	36	30
65	Advances in Chemical Biochemical and Allied Industries ACBAI 2020	IPR, Entrepreneurship/Startup, Innovation	Employment Generation Training Programs	Department of Biotechnology and Centre for Energy and Environment	05-11-2020	09-11-2020	5	Online	40	30
66	Sustainable Resilient and Smart Built Infrastructure in Developing Countries	IPR, Entrepreneurship/Startup, Innovation	Employment Generation Training Programs	Department of Civil Engineering	20-10-2020	24-10-2020	5	Online	42	32
67	Future Perspectives of Research in Chemical Science and Technology	IPR, Innovation	Employment Generation Training Programs	Department of Chemistry	20-10-2020	24-10-2020	5	Online	42	32

68	Challenges and Opportunities in Collection Storage and Utilization of Solar Thermal Energy COCSUSTE 20	IPR, Entrepreneurship/Startup, Innovation	Employment Generation Training Programs	Department of Mechanical Engineering	19-10-2020	23-10-2020	5	Online	40	30
69	Recent Advances in Sensor Design and Interface Circuits RASIC 2020	IPR, Entrepreneurship/Startup, Innovation	Employment Generation Training Programs	Department of Instrumentation and Control Engineering	15-10-2020	19-10-2020	5	Online	42	30
70	Sustainable Resilient and Smart Built Infrastructure in Developing Countries	Entrepreneurship/Startup, Innovation	EDP in I&E / IPR	Department of Civil Engineering	20-10-2020	24-10-2020	5	Online	45	30
71	Gender Equality and Violence against Women during COVID-19 (GEVW-2020)	IPR	Employment Generation Training Programs	Department of Electronics and Communication Engineering	09-10-2020	13-10-2020	5	Online	45	32
72	Current Industrial Practices in Chemical Engineering	IPR, Entrepreneurship/Startup, Innovation	Employment Generation Training Programs	Department of Chemical Engineering	07-10-2020	11-10-2020	5	Online	42	30
73	Manufacturing technologies for tissue engineering and drug delivery systems	IPR, Entrepreneurship/Startup, Innovation	Employment Generation Training Programs	Department of Biotechnology	03-10-2020	07-10-2020	5	Online	36	30
74	Exploratory Applications of Control and Instrumentation EACI 2020	IPR, Innovation	FDP in I&E / IPR	Department of Instrumentation and Control Engineering	26-09-2020	30-09-2020	5	Online	40	30
75	Communication Strategies and Statistical Applications	IPR, Entrepreneurship/Startup, Innovation	Employment Generation Training Programs	Department of Humanities and Management and Department of Mathematics	23-09-2020	27-09-2020	5	Online	40	30
76	Recent Trends in Advanced Materials and Devices	IPR, Entrepreneurship/Startup, Innovation	Employment Generation Training Programs	Department of Physics	21-09-2020	25-09-2020	5	Online	42	30
77	Matrix Analysis and its Applications	IPR, Entrepreneurship/Startup, Innovation	FDP in I&E / IPR	Department of Mathematics	23-09-2020	27-09-2020	5	Online	50	30
78	The Education Factory	IPR, Entrepreneurship/Startup	FDP in I&E / IPR	Department of Industrial and Production Engineering	18-09-2020	22-09-2020	5	Online	40	30
79	Valorization of lignocellulosic biomass towards sustainable fuels chemicals and materials	IPR, Entrepreneurship/Startup, Innovation	Employment Generation Training Programs	Center for Energy and Environment	18-09-2020	22-09-2020	5	Online	40	30
80	Operation and Control of Next Generation Restructured Low Carbon Power System	IPR, Entrepreneurship/Startup, Innovation	FDP in I&E / IPR	Department of Electrical Engineering	17-09-2020	21-09-2020	5	Online	36	30
81	Process Modeling Simulation Control and Optimization	IPR, Innovation	Employment Generation Training Programs	Department of Instrumentation and Control Engineering	16-09-2020	20-09-2020	5	Online	45	30
82	Low Power VLSI Design for Communication Systems and Networks	IPR, Entrepreneurship/Startup, Innovation	Employment Generation Training Programs	Department of Electronics and Communication Engineering	16-09-2020	20-09-2020	5	Online	35	30
83	Future Scope in Engineering Materials and Tribology	IPR, Entrepreneurship/Startup, Innovation	FDP in I&E / IPR	Department of Mechanical Engineering	25-09-2020	29-09-2020	5	Online	40	30
84	Condensed Matter Physics CTCMP 2020	IPR, Innovation	FDP in I&E / IPR	Department of Physics	25-09-2020	29-09-2020	5	Online	40	30

85	Advances in High Energy Physics	IPR, Entrepreneurship/Startup, Innovation	Employment Generation Training Programs	Department of Physics	18-09-2020	22-09-2020	5	Online	40	30
86	Optimization and Control Design Techniques Innovations and Challenges OCDT	IPR, Innovation	FDP in I&E / IPR	Department of Instrumentation and Control Engineering	17-09-2020	21-09-2020	5	Online	40	30
87	Advanced Energy Materials	IPR, Innovation	FDP in I&E / IPR	Department of Physics	12-10-2020	16-10-2020	5	Online	40	30
88	Stability Analysis Protection and Control of Microgrid SPCMG 2020	IPR, Entrepreneurship/Startup, Innovation	EDP in I&E / IPR	Department of Instrumentation And Control Engineering and the Department of Electrical Engineering	25-09-2020	29-09-2020	5	Online	40	30

**List the Full Time Faculties had with a Degree (UG/PG/PhD) in Innovation/IPR/Entrepreneurship and (or) Received Specialized Training program of I&E, IPR (MDP, EDP, FDP, Short-term Certificate Course, of minimum 30 hours Duration) conducted by various State, Central Govt. agencies, and Knowledge Agencies in the Academic Period (2019-20)**

Srno	Faculty Name	Department/Centre/Unit Name		Designation	Do you have a degree in I&E & IPR?		Had the faculty received training on I&E & IPR during AY 2019-20			
1	Dr KVP Singh	Department of textile technology		Assistant Professor	No		Yes			
	Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)	Mode of Delivery	
	Textile Product Design	Entrepreneurship/Startup, Innovation	Employment Generation Training Programs	NIT Jalandhar	Educational Institute	12-01-2019 00:00:00	16-01-2019 00:00:00	5	Offline	
2	Dr. L P Singh	Department of Industrial and Production Engineering		Associate Professor	No		Yes			
	Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)	Mode of Delivery	
	Textile Product Design	Entrepreneurship/Startup, Innovation	Employment Generation Training Programs	NIT Jalandhar	Educational Institute	12-01-2019 00:00:00	16-01-2019 00:00:00	5	Offline	
	Recent Tools and Techniques for Research	Entrepreneurship/Startup, Innovation	Short term Certificate	NIT Jalandhar	Educational Institute	23-01-2019 00:00:00	27-01-2019 00:00:00	5	Offline	
3	Dr. Amit Kumar Singh	Department of Instrumentation and Control Engineering		Assistant Professor	No		Yes			
	Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)	Mode of Delivery	
	Application of Machine and Deep Learning in Engineering Problems	IPR, Entrepreneurship/Startup, Innovation	Short term Certificate	NIT Jalandhar	Educational Institute	08-04-2020 00:00:00	12-04-2020 00:00:00	5	Offline	
4	Dr. Sathiya	Department of Instrumentation and Control Engineering		Assistant Professor	No		Yes			



	<b>Training Name</b>	<b>Training Theme</b>	<b>Type of Course</b>	<b>Training Agency Name</b>	<b>Training Agency Type</b>	<b>Training Start Date</b>	<b>Training End Date</b>	<b>Training Duration (in Days)</b>	<b>Mode of Delivery</b>
	Advanced Measurement Systems and its Applications (AMSA-2020)	Entrepreneurship/Startup, Innovation	Short term Certificate	Dr B R Ambedkar National Institute of Technology, Jalandhar	Educational Institute	24-02-2020 00:00:00	28-02-2020 00:00:00	5	Offline
5	Dr Sonia Chawla	Department of Humanities and Management	Associate Professor	No	Yes				
	<b>Training Name</b>	<b>Training Theme</b>	<b>Type of Course</b>	<b>Training Agency Name</b>	<b>Training Agency Type</b>	<b>Training Start Date</b>	<b>Training End Date</b>	<b>Training Duration (in Days)</b>	<b>Mode of Delivery</b>
	Soft Skills and Academic Communication	IPR, Entrepreneurship/Startup, Innovation	Short term Certificate	Dr B R Ambedkar National Institute of Technology, Jalandhar	Educational Institute	04-03-2020 00:00:00	08-03-2020 00:00:00	5	Offline
6	Dr. Vinod Ashokan	Department of Physics	Assistant Professor	No	Yes				
	<b>Training Name</b>	<b>Training Theme</b>	<b>Type of Course</b>	<b>Training Agency Name</b>	<b>Training Agency Type</b>	<b>Training Start Date</b>	<b>Training End Date</b>	<b>Training Duration (in Days)</b>	<b>Mode of Delivery</b>
	Current Trends in Condensed Matter Physics-CTCMP	Entrepreneurship/Startup, Innovation	Short term Certificate	Dr B R Ambedkar National Institute of Technology	Educational Institute	16-04-2020 00:00:00	20-04-2020 00:00:00	5	Online
7	Dr. Abhinav Pratap Singh	Department of Physics	Assistant Professor	No	Yes				
	<b>Training Name</b>	<b>Training Theme</b>	<b>Type of Course</b>	<b>Training Agency Name</b>	<b>Training Agency Type</b>	<b>Training Start Date</b>	<b>Training End Date</b>	<b>Training Duration (in Days)</b>	<b>Mode of Delivery</b>
	Use of LATEX in Typesetting Technical Documents	Entrepreneurship/Startup, Innovation	Short term Certificate	Dr B R Ambedkar National Institute of Technology	Educational Institute	17-05-2020 00:00:00	21-05-2020 00:00:00	5	Online
8	Dr. Shyamkiran Kaur	Department of Humanities and Management	Assistant Professor	No	Yes				
	<b>Training Name</b>	<b>Training Theme</b>	<b>Type of Course</b>	<b>Training Agency Name</b>	<b>Training Agency Type</b>	<b>Training Start Date</b>	<b>Training End Date</b>	<b>Training Duration (in Days)</b>	<b>Mode of Delivery</b>
	Soft Skills and Academic Communication	Entrepreneurship/Startup, Innovation	Short term Certificate	Dr B R Ambedkar National Institute of Technology	Educational Institute	04-03-2020 00:00:00	08-03-2020 00:00:00	5	Offline
9	Dr Ghanshyam Neje	Department of Textile Technology	Assistant Professor	No	Yes				
	<b>Training Name</b>	<b>Training Theme</b>	<b>Type of Course</b>	<b>Training Agency Name</b>	<b>Training Agency Type</b>	<b>Training Start Date</b>	<b>Training End Date</b>	<b>Training Duration (in Days)</b>	<b>Mode of Delivery</b>
	Recent Trends in Textile and Fashion	Entrepreneurship/Startup, Innovation	Short term Certificate	Dr B R Ambedkar National Institute of Technology	Educational Institute	21-06-2020 00:00:00	25-06-2020 00:00:00	5	Online
10	Dr S K Sinha	Department of Textile Technology	Professor	No	Yes				
	<b>Training Name</b>	<b>Training Theme</b>	<b>Type of Course</b>	<b>Training Agency Name</b>	<b>Training Agency Type</b>	<b>Training Start Date</b>	<b>Training End Date</b>	<b>Training Duration (in Days)</b>	<b>Mode of Delivery</b>
	Nanoscience for Engineering Applications	Entrepreneurship/Startup, Innovation	Short term Certificate	Dr B R Ambedkar National Institute of Technology	Educational Institute	21-06-2020 00:00:00	25-06-2020 00:00:00	5	Online

11	Dr. Anurag Kumar Tiwari	Department of Chemical Engineering	Assistant Professor		No		Yes		
	Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)	Mode of Delivery
	Mathematical Modeling of Complex fluids	Entrepreneurship/Startup, Innovation	Short term Certificate	Dr B R Ambedkar National Institute of Technology	Educational Institute	23-04-2020 00:00:00	27-04-2020 00:00:00	5	Online
12	Dr. Anee Mohanty	Department of Biotechnology	Assistant Professor		No		Yes		
	Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)	Mode of Delivery
	Intellectual Property Rights and Innovative Entrepreneurship	IPR, Entrepreneurship/Startup, Innovation	Short term Certificate	Dr B R Ambedkar National Institute of Technology	Educational Institute	28-02-2019 00:00:00	04-03-2019 00:00:00	5	Offline
13	Dr. Anjireddy Bhavanam	Department of Chemical Engineering	Assistant Professor		No		Yes		
	Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)	Mode of Delivery
	Emerging Technologies for Next-generation Bio-fuels and Bio-products	Entrepreneurship/Startup, Innovation	Short term Certificate	Dr B R Ambedkar National Institute of Technology	Educational Institute	20-02-2020 00:00:00	24-02-2020 00:00:00	5	Offline
14	Dr Rajeev Verma	Department of Industrial and Production Engineering	Assistant Professor		No		Yes		
	Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)	Mode of Delivery
	Advancements in Manufacturing and Material Processing – AMMP	Entrepreneurship/Startup, Innovation	Short term Certificate	Dr BR Ambedkar National Institute of Technology Jalandhar	Educational Institute	01-01-2020 00:00:00	05-01-2020 00:00:00	5	Offline
15	Dr. Abhinav Pratap Singh	Department of Physics	Assistant Professor		No		Yes		
	Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)	Mode of Delivery
	Advanced Functional Materials	Entrepreneurship/Startup, Innovation	Short term Certificate	Dr B R Ambedkar National Institute of Technology	Educational Institute	29-12-2019 00:00:00	02-01-2020 00:00:00	5	Offline
16	Dr. Manoj Kumar	Department of Mechanical Engineering	Assistant Professor		No		Yes		
	Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)	Mode of Delivery
	FEM and Modal Analysis in Engineering (FEMMAE -19)	Entrepreneurship/Startup, Innovation	Short term Certificate	Dr B R Ambedkar National Institute of Technology	Educational Institute	23-12-2019 00:00:00	27-12-2019 00:00:00	5	Offline
17	Dr. L.P. Singh	Department of Industrial and Production Engineering	Associate Professor		No		Yes		

18	Dr. Afzal Sikander	Department of Instrumentation and Control Engineering	Assistant Professor	No		Yes			
19	Dr Indu Saini	Department of Electronics and Communication Engineering	Assistant Professor	No		Yes			
20	Dr. Dilbagh Panchal	Department of Industrial and Production Engineering	Assistant Professor	No		Yes			
21	Dr. L P Singh	Department of Industrial and Production Engineering	Associate Professor	No		Yes			
22	Dr Arvind Bhardwaj	Department of Industrial and Production Engineering	Professor	No		Yes			
23	Dr A K Choudhary	Department of Textile Technology	Associate Professor	No		Yes			

	Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)	Mode of Delivery
	MEDICAL TEXTILES AND TISSUE ENGINEERING	IPR, Entrepreneurship/Startup, Innovation	Short term Certificate	Dr B R Ambedkar National Institute of Technology	Educational Institute	06-11-2019 00:00:00	10-11-2019 00:00:00	5	Offline
24	Dr Raman Bedi	Department of Mechanical Engineering		Associate Professor		No		Yes	
	Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)	Mode of Delivery
	Fatigue of Composite Materials	Entrepreneurship/Startup, Innovation	Short term Certificate	Dr B R Ambedkar National Institute of Technology Jalandhar	Educational Institute	09-11-2019 00:00:00	13-11-2019 00:00:00	5	Offline
25	Dr. Karan Veer	Department of Instrumentation and Control Engineering		Assistant Professor		No		Yes	
	Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)	Mode of Delivery
	Embedded Systems and Wireless Sensor Network for Internet of Things (IoT)	Entrepreneurship/Startup, Innovation	Short term Certificate	Dr B R Ambedkar National Institute of Technology Jalandhar	Educational Institute	07-11-2019 00:00:00	11-11-2019 00:00:00	5	Offline
26	Dr. Davinder Singh	Department of Civil Engineering		Assistant Professor		No		Yes	
	Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)	Mode of Delivery
	Advances in Construction Materials and Methods	Entrepreneurship/Startup, Innovation	Short term Certificate	Dr B R Ambedkar National Institute of Technology, Jalandhar	Educational Institute	30-06-2019 00:00:00	04-07-2019 00:00:00	5	Offline
27	Dr Raman Bedi	Department of Mechanical Engineering		Associate Professor		No		Yes	
	Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)	Mode of Delivery
	Material Characterization Techniques	Entrepreneurship/Startup, Innovation	Short term Certificate	Dr B R Ambedkar National Institute of Technology, Jalandhar	Educational Institute	18-05-2019 00:00:00	22-05-2019 00:00:00	5	Offline
	Fatigue of Composite Materials	Entrepreneurship/Startup, Innovation	Short term Certificate	Dr B R Ambedkar National Institute of Technology Jalandhar	Educational Institute	09-11-2019 00:00:00	13-11-2019 00:00:00	5	Offline
	Material Characterization Techniques	Entrepreneurship/Startup, Innovation	Short term Certificate	Dr B R Ambedkar National Institute of Technology	Educational Institute	15-06-2019 00:00:00	19-06-2019 00:00:00	5	Offline
	Material Characterization Techniques	Entrepreneurship/Startup, Innovation	Short term Certificate	National Institute of Technology, Jalandhar	Educational Institute	23-08-2020 00:00:00	27-08-2020 00:00:00	5	Online
28	Dr Ramesh K. Sunkaria	Department of Electronics and Communication Engineering		Associate Professor		No		Yes	

	Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)	Mode of Delivery
	Recent Trends in Biomedical Signal Processing and VLSI Design	Entrepreneurship/Startup, Innovation	Short term Certificate	Dr B R Ambedkar National Institute of Technology	Educational Institute	28-05-2019 00:00:00	02-06-2019 00:00:00	6	Offline
29	Dr Mahesh Kumar Sah	Department of Bio-Technology	Assistant Professor	No	Yes				
	Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)	Mode of Delivery
	Recent Advancement in Biomaterials and Nanotechnology for Biomedical Applications	Entrepreneurship/Startup, Innovation	Short term Certificate	NIT Jalandhar	Educational Institute	23-05-2019 00:00:00	27-05-2019 00:00:00	5	Offline
30	Dr Neetu Sood	Department of Electronics and Communication Engineering	Assistant Professor	No	Yes				
	Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)	Mode of Delivery
	Research Trends in Wireless Communication systems	Entrepreneurship/Startup, Innovation	Short term Certificate	National Institute of Technology, Jalandhar	Educational Institute	24-05-2019 00:00:00	28-05-2019 00:00:00	5	Offline
31	Dr Jaspreet Kaur Rajput	Department of Chemistry	Associate Professor	No	Yes				
	Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)	Mode of Delivery
	Innovations and Future Perspectives in Chemical Sciences and Technology	Entrepreneurship/Startup, Innovation	Short term Certificate	NIT, Jalandhar	Educational Institute	15-04-2019 00:00:00	19-04-2019 00:00:00	5	Offline
32	Dr Raman Bedi	Department of Mechanical Engineering	Department of Mechanical Engineering	No	Yes				
	Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)	Mode of Delivery
	Material Characterization Techniques	Entrepreneurship/Startup, Innovation	Short term Certificate	Dr B R Ambedkar National Institute of Technology, Jalandhar	Educational Institute	19-05-2019 00:00:00	23-05-2019 00:00:00	5	Offline
33	Dr B S Saini	Department of Electronics and Communication Engineering	Professor	No	Yes				
	Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)	Mode of Delivery
	Current Avenues of Research in Electronics and Communication Engineering	Entrepreneurship/Startup, Innovation	Short term Certificate	Dr B R Ambedkar National Institute of Technology	Educational Institute	23-03-2019 00:00:00	27-03-2019 00:00:00	5	Offline
34	Dr. Afzal Sikander	Department of Instrumentation and Control Engineering	Assistant Professor	No	Yes				

	Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)	Mode of Delivery
	Application of Machine and Deep Learning in Engineering Problems	Entrepreneurship/Startup, Innovation	Short term Certificate	Dr. B R Ambedkar National Institute of Technology	Educational Institute	08-04-2020 00:00:00	12-04-2020 00:00:00	5	Online
35	Dr Mohit Tyagi	Department of Industrial and Production Engineering		Assistant Professor		No		Yes	
	Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)	Mode of Delivery
	Hybrid Manufacturing Processes: Opportunities and Challenges (HMPOC-20)	Entrepreneurship/Startup, Innovation	Short term Certificate	Dr. B R Ambedkar National Institute of Technology	Educational Institute	05-07-2020 00:00:00	09-07-2020 00:00:00	5	Online
36	Dr. Sukwinder Singh	Department of Electronics and Communication Engineering		Assistant Professor		No		Yes	
	Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)	Mode of Delivery
	Latest Developments in Communication and Microwave Technologies	Entrepreneurship/Startup, Innovation	Short term Certificate	Dr B R Ambedkar National Institute of Technology Jalandhar	Educational Institute	01-09-2020 00:00:00	05-09-2020 00:00:00	5	Online
37	Dr. Shailja Bawa	Department of Civil Engineering		Assistant Professor		No		Yes	
	Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)	Mode of Delivery
	Construction Materials and Methods in Civil Engineering	Entrepreneurship/Startup, Innovation	Short term Certificate	Dr. B. R. Ambedkar National Institute of Technology	Educational Institute	24-08-2020 00:00:00	28-08-2020 00:00:00	5	Online
38	Dr. Urvashi	Department of Computer Science and Engineering		Assistant Professor		No		Yes	
	Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)	Mode of Delivery
	Exploring Potential: STC on 2020 research advances towards generating leading investigators	IPR, Entrepreneurship/Startup, Innovation	Short term Certificate	Dr B. R. Ambedkar National Institute of Technology Jalandhar	Educational Institute	22-08-2020 00:00:00	26-08-2020 00:00:00	5	Online
Identify the Weakest Link: An International e-STC on recent attacking and defensive strategies	Entrepreneurship/Startup, Innovation	Short term Certificate	Dr B R Ambedkar National Institute of Technology Jalandhar	Educational Institute	09-08-2020 00:00:00	13-08-2020 00:00:00	5	Online	
39	Dr. Vivek Sharma	Department of Electrical Engineering		Assistant Professor		No		Yes	
	Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)	Mode of Delivery
	Impact and strategies for higher education: Comprehensive Research Pedagogy, Methodology and Design	Entrepreneurship/Startup, Innovation	Short term Certificate	Dr B R Ambedkar National Institute of Technology Jalandhar	Educational Institute	16-08-2020 00:00:00	20-08-2020 00:00:00	5	Online
40	Dr Raghaw Raman Sinha	Department of Mathematics		Assistant Professor		No		Yes	

	Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)	Mode of Delivery
	Optimization and Statistical Models and Tools (OSMT-2020)	Entrepreneurship/Startup, Innovation	Short term Certificate	Dr B R Ambedkar National Institute of Technology	Educational Institute	25-08-2020 00:00:00	29-08-2020 00:00:00	5	Online
41	Dr. Tarun Chaudhary	Department of Electronics and Communication Engineering		Assistant professor		No		Yes	
	Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)	Mode of Delivery
	Effective Tools and Techniques in Qualitative Research	Entrepreneurship/Startup, Innovation	Short term Certificate	Dr B R Ambedkar National Institute of Technology Jalandhar	Educational Institute	09-08-2020 00:00:00	13-08-2020 00:00:00	5	Online
42	Dr. Ravi Verma	Instrumentation and Control Engineering Department		Assistant Professor		No		Yes	
	Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)	Mode of Delivery
	Cryogenics and Composites: Theory and Applications (CCTA-2020)	Entrepreneurship/Startup, Innovation	Short term Certificate	Dr B R Ambedkar National Institute of Technology Jalandhar	Educational Institute	02-08-2020 00:00:00	06-08-2020 00:00:00	5	Online
43	Dr Suneel Dutt	Department of Physics		Assistant Professor		No		Yes	
	Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)	Mode of Delivery
	Use of LATEX in Typesetting Technical Documents	Entrepreneurship/Startup, Innovation	Short term Certificate	Dr B R Ambedkar National Institute of Technology, Jalandhar	Educational Institute	30-08-2020 00:00:00	03-09-2020 00:00:00	5	Online
44	Dr. Ravi Pratap Singh	Department of Industrial and Production Engineering		Assistant Professor		No		Yes	
	Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)	Mode of Delivery
	Additive Manufacturing with Interdisciplinary Applications (AMIA-20)	Entrepreneurship/Startup, Innovation	Short term Certificate	Dr B R Ambedkar National Institute of Technology, Jalandhar (Punjab) India	Educational Institute	28-06-2020 00:00:00	02-07-2020 00:00:00	5	Online
45	Dr Hemant S Chore	Department of Civil Engineering		Associate Professor		No		Yes	
	Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)	Mode of Delivery
	Emerging Trends in Highway Engineering and Infrastructure Development	Entrepreneurship/Startup, Innovation	Short term Certificate	Dr. B. R. Ambedkar National Institute of Technology Jalandhar	Educational Institute	22-06-2020 00:00:00	26-06-2020 00:00:00	5	Online
46	Dr Jatinder Kumar Ratan	Department of Chemical Engineering		Associate Professor		No		Yes	

	Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)	Mode of Delivery
47	Dr Jatinder Kumar Ratan	Department of Chemical Engineering		Associate Professor		No		Yes	
	Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)	Mode of Delivery
	Happiness and Yoga in Engineering Practice	Entrepreneurship/Startup, Innovation	Short term Certificate	Dr. B. R. Ambedkar National Institute of Technology Jalandhar	Educational Institute	21-06-2020 00:00:00	25-06-2020 00:00:00	5	Online
48	Dr. Vinod Ashokan	Department of Physics		Assistant Professor		No		Yes	
	Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)	Mode of Delivery
	Current Trends in Condensed Matter Physics (CTCMP-2020)	Entrepreneurship/Startup, Innovation	Short term Certificate	Dr B R Ambedkar National Institute of Technology, Jalandhar	Educational Institute	24-09-2020 00:00:00	28-09-2020 00:00:00	5	Online
49	Dr. Afzal Sikander	Department of Instrumentation and Control Engineering		Assistant Professor		No		Yes	
	Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)	Mode of Delivery
	Stability Analysis, Protection and Control of Microgrid (SPCMG-2020)	Entrepreneurship/Startup, Innovation	Short term Certificate	Dr. B. R. Ambedkar National Institute of Technology	Educational Institute	24-09-2020 00:00:00	28-09-2020 00:00:00	5	Online
50	Dr. Arvind Kumar	Department of Physics		Assistant Professor		No		Yes	
	Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)	Mode of Delivery
	Advances in High Energy Physics (AHEP-2020)	IPR, Entrepreneurship/Startup, Innovation	Short term Certificate	Dr. B R Ambedkar National Institute of Technology Jalandhar	Educational Institute	17-09-2020 00:00:00	21-09-2020 00:00:00	5	Online
51	Dr. Afzal Sikander	Department of Instrumentation and Control Engineering		Assistant Professor		No		Yes	
	Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)	Mode of Delivery
	Optimization and Control Design Techniques Innovations and Challenges (OCDT)	IPR, Entrepreneurship/Startup, Innovation	Short term Certificate	Dr. B. R. Ambedkar National Institute of Technology, Jalandhar	Educational Institute	16-09-2020 00:00:00	20-09-2020 00:00:00	5	Online
52	Dr Kiran Singh	Department of Physics		Assistant Professor		No		Yes	
	Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)	Mode of Delivery
	Advanced Energy Materials	IPR, Entrepreneurship/Startup, Innovation	Short term Certificate	Dr. B. R. Ambedkar National Institute of Technology, Jalandhar	Educational Institute	11-10-2020 00:00:00	15-10-2020 00:00:00	5	Online



53	Dr. Deepika Rani	Department of Mathematics	Assistant Professor	No	Yes				
	Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)	Mode of Delivery
	Essential Tools in Optimization	Entrepreneurship/Startup, Innovation	Short term Certificate	Dr. B. R. Ambedkar NIT Jalandhar	Educational Institute	24-06-2020 00:00:00	28-06-2020 00:00:00	5	Online
54	Dr Lakhwinder Pal Singh	Innovation Club and Institute Innovation Council MHRD	Associate Professor	No	Yes				
	Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)	Mode of Delivery
	Innovation, Novelty and Intellectual Property Rights	IPR, Entrepreneurship/Startup, Innovation	Short term Certificate	Dr B R Ambedkar National Institute of Technology	Educational Institute	27-08-2020 00:00:00	31-08-2020 00:00:00	5	Online
55	Dr S.K. Mishra	The Centre for Continuing Education	Registrar	No	Yes				
	Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)	Mode of Delivery
	Computer Applications	Entrepreneurship/Startup, Innovation	Short term Certificate	Dr B R Ambedkar National Institute of Technology, Jalandhar	Educational Institute	02-08-2020 00:00:00	06-08-2020 00:00:00	5	Online
56	Dr. Karan Jain	Department of Instrumentation and Control Engineering	Assistant Professor	No	Yes				
	Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)	Mode of Delivery
	Modeling and Identification of Physiological Systems	Entrepreneurship/Startup, Innovation	Short term Certificate	Dr B R Ambedkar National Institute of Technology Jalandhar	Educational Institute	26-07-2020 00:00:00	30-07-2020 00:00:00	5	Online
57	Dr Arvind Bhardwaj	Department of Industrial and Production Engineering	Professor	No	Yes				
	Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)	Mode of Delivery
	EFFECTIVE LOGISTICS FOR SUSTAINABLE ENVIRONMENT (ELSE-20)	Entrepreneurship/Startup, Innovation	Short term Certificate	Dr. B. R. Ambedkar National Institute of Technology	Educational Institute	09-08-2020 00:00:00	13-08-2020 00:00:00	5	Online
58	Dr. Dilbagh Panchal	Department of Industrial and Production Engineering	Assistant Professor	No	Yes				
	Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)	Mode of Delivery
	Reliability Maintainability and Quality Issues in Process Industries (RMQIPI-20)	Entrepreneurship/Startup, Innovation	Short term Certificate	Dr. B R Ambedkar National Institute of Technology, Jalandhar	Educational Institute	03-08-2020 00:00:00	07-08-2020 00:00:00	5	Online
59	Dr Geeta Sikka	Department of Computer Science and Engineering	Associate Professor	No	Yes				

60	Dr Aviral Mishra	Department of Industrial and Production Engineering	Assistant Professor	No			Yes		
61	Dr Satyender Singh	Department of Mechanical Engineering	Assistant Professor	No			Yes		
62	Dr Sonia Chawla	Department of Humanities and Management	Associate Professor	No			Yes		
63	Dr. Kiran Singh	Department of Physics	Assistant Professor	No			Yes		
64	Dr. Afzal Sikander	Department of Instrumentation and Control Engineering	Assistant Professor	No			Yes		
65	Dr Vinay Midha	Department of Textile Technology	Professor	No			Yes		

	Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)	Mode of Delivery
	Characterization Techniques in Textiles and Polymers	IPR, Entrepreneurship/Startup, Innovation	Short term Certificate	Dr B R Ambedkar National Institute of Technology	Educational Institute	14-12-2020 00:00:00	18-12-2020 00:00:00	5	Online
66	Dr. Nitin Naresh Pandhare	Department of Chemical Engineering	Assistant Professor	No	Yes				
	Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)	Mode of Delivery
	Modern Practices in Hydrocarbon Engineering (MPHE-2K20)	Entrepreneurship/Startup, Innovation	Short term Certificate	Dr. B. R. Ambedkar National Institute of Technology, Jalandhar	Educational Institute	26-11-2020 00:00:00	30-11-2020 00:00:00	5	Online
67	Dr Jagdeep Kaur	Department of Computer science and Engineering	Assistant Professor	No	Yes				
	Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)	Mode of Delivery
	RECENT ADVANCES OF MACHINE LEARNING IN SOFTWARE ENGINEERING	Entrepreneurship/Startup, Innovation	Short term Certificate	Dr B R Ambedkar National Institute of Technology	Educational Institute	22-11-2020 00:00:00	26-11-2020 00:00:00	5	Online
68	Dr Vinay Midha	Department of Textile Technology	Professor	No	Yes				
	Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)	Mode of Delivery
	Textile Testing and Analytical Techniques in Textiles and Fashion	IPR, Entrepreneurship/Startup, Innovation	Short term Certificate	Dr B R Ambedkar National Institute of Technology	Educational Institute	26-11-2020 00:00:00	30-11-2020 00:00:00	5	Online
69	Dr Arun K Khosla	Department of Electronics and Communication Engineering	Professor	No	Yes				
	Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)	Mode of Delivery
	Gamification	Entrepreneurship/Startup, Innovation	Short term Certificate	Dr B R Ambedkar National Institute of Technology	Educational Institute	15-11-2020 00:00:00	19-11-2020 00:00:00	5	Online
70	Dr Ajay Bansal	Department of Biotechnology	Professor	No	Yes				
	Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)	Mode of Delivery
	Advances in Chemical, Biochemical and Allied Industries ACBAI-2020	Entrepreneurship/Startup, Innovation	Short term Certificate	Dr B R Ambedkar National Institute of Technology Jalandhar	Educational Institute	04-11-2020 00:00:00	08-11-2020 00:00:00	5	Online
71	Dr Kanish Kapoor	Department of Civil Engineering	Assistant Professor	No	Yes				

	Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)	Mode of Delivery
	Sustainable, Resilient and Smart Built Infrastructure in Developing Countries	Entrepreneurship/Startup, Innovation	Short term Certificate	Dr B R Ambedkar National Institute of Technology	Educational Institute	19-10-2020 00:00:00	23-10-2020 00:00:00	5	Online
72	Dr. Tangellapalli Srinivas	Department of Mechanical Engineering		Associate Professor		No		Yes	
	Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)	Mode of Delivery
	Training and Practice on MATLAB for Engineering Solutions (TPMES-20)	Entrepreneurship/Startup, Innovation	Short term Certificate	Dr. B.R. Ambedkar National Institute of Technology Jalandhar	Educational Institute	25-10-2020 00:00:00	29-10-2020 00:00:00	5	Online
73	Dr B S Kaith	Department of Chemistry		Professor		No		Yes	
	Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)	Mode of Delivery
	Future Perspectives of Research in Chemical Science and Technology	Entrepreneurship/Startup, Innovation	Short term Certificate	-	Educational Institute	19-10-2020 00:00:00	23-10-2020 00:00:00	5	Online
74	Dr Srinivas Tangellapalli	Mechanical Engineering Department		Associate Professor		No		Yes	
	Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)	Mode of Delivery
	Challenges and Opportunities in Collection, Storage and Utilization of Solar Thermal Energy (COCSUSTE-20)	Entrepreneurship/Startup, Innovation	Short term Certificate	Dr B R Ambedkar National Institute of Technology	Educational Institute	18-10-2020 00:00:00	22-10-2020 00:00:00	5	Online
75	Dr. Sathiya S	Department of Instrumentation and Control Engineering		Assistant Professor		No		Yes	
	Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)	Mode of Delivery
	Recent Advances in Sensor Design and Interface Circuits (RASIC-2020)	Entrepreneurship/Startup, Innovation	Short term Certificate	Dr B R Ambedkar National Institute of Technology, Jalandhar	Educational Institute	14-10-2020 00:00:00	18-10-2020 00:00:00	5	Online
76	Dr Neetu Sood	Women Cell		Assistant Professor		No		Yes	
	Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)	Mode of Delivery
	Gender Equality and Violence against Women during COVID-19 (GEVW-2020)	Innovation	Short term Certificate	National Institute of Technology, Jalandhar	Educational Institute	08-10-2020 00:00:00	12-10-2020 00:00:00	5	Online

**List Idea/Innovation Centric Student Clubs Are Functional at the HEI with Access to Co-working Space/Work-stations for Students with Facilities & Equipment Available to promote and Support Innovation, Entrepreneurship and IPR Activities in Campus**

Srno	Name of Student Club	Type of Club	Year of Establishment	Type of Facilities Available at the Club	Student Club with Access to Other I&E Facilities at the HEI	No of Programs/Activities Organized by the Student Club During the AY 2019-20	Student Club Team Lead Name	Student Club Team Lead Email	Student Club Team Lead Phone
1	Innovation Club	Innovation Club	2017	Co-working Space,3D Printing	Pre-Incubation Unit	2	LP singh	singhlp@nitj.ac.in	8288947954

**List the Pre-Incubation Facility (Tinkering Lab/Makers' Space/Design Centre/New Gen IEDC/IEDC/EDC/Innovation Centre/Startup Cell) (>= 600 Sq. Ft. Floor Area)**

Srno	Name of Pre-Incubation Centre	Type of Facility	Year of Establishment	Type of Facilities Available at the Centre	Pre-Incubation with Access to Other I&E Facilities at the HEI	Name of the Funding Schemes Available with Pre-Incubation Unit, if any (Optional)	Facility Details	Total Nos of Dedicated Executive/Management team Strength Engaged at the Facility	Had the Pre-Incubation Unit 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 Pre-Incubation Centre/Facilities?	Had institute spent expenses either from own resource/received fund towards Establishment/Operation of Pre-Incubation Centre/Facilities?						
1	Tinkering Lab	Tinkering Lab	2020	Co-working Space	Innovation Labs	Innovation Labs	<table border="1"> <tr> <td>Facility Incharge Name</td> <td>Student Club Team Lead Name</td> </tr> <tr> <td>Facility Incharge Email</td> <td>kushwahapra mod@nitj.ac.in</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>9465242268</td> </tr> </table>	Facility Incharge Name	Student Club Team Lead Name	Facility Incharge Email	kushwahapra mod@nitj.ac.in	Facility Incharge Phone	9465242268	12	No	No	Yes
Facility Incharge Name	Student Club Team Lead Name																
Facility Incharge Email	kushwahapra mod@nitj.ac.in																
Facility Incharge Phone	9465242268																
Source of Grant / Fund						Agency Name		Agency Type		Total Grants / Funds Received by Pre-Incubation & Incubation Centre / Facilities exists in Campus (In Rupees)							
Institute's Own Fund / Resource						NITJ		Govt. Agency (Central)		1580000							
2	Innovation Cell	Innovation Centre	2020	Co-working Space	Student Clubs	Student Clubs	<table border="1"> <tr> <td>Facility Incharge Name</td> <td>Srinivas Tangellapalli</td> </tr> <tr> <td>Facility Incharge Email</td> <td>srinivast@nitj.ac.in</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>8056300923</td> </tr> </table>	Facility Incharge Name	Srinivas Tangellapalli	Facility Incharge Email	srinivast@nitj.ac.in	Facility Incharge Phone	8056300923	12	No	No	Yes
Facility Incharge Name	Srinivas Tangellapalli																
Facility Incharge Email	srinivast@nitj.ac.in																
Facility Incharge Phone	8056300923																
Source of Grant / Fund						Agency Name		Agency Type		Total Grants / Funds Received by Pre-Incubation & Incubation Centre / Facilities exists in Campus (In Rupees)							
Funding Agency						ISRO		Govt. Agency (Central)		45000							

**List the Pre-Incubation Facility (Tinkering Lab/Makers' Space/Design Centre/New Gen IEDC/IEDC/EDC/Innovation Centre/Startup Cell) (>= 600 Sq. Ft. Floor Area)**

3	STIC	Startup Cell	2019	Co-working Space	Incubation Unit	Incubation Unit	Facility Incharge Name	Arun Khosla	12	No	<table border="1"> <tr> <td colspan="2">Yes</td> </tr> <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>0</td> </tr> <tr> <td>Total Annual Income from Office Space and Rental Services to Start-ups/Innovators (In Rupees)</td> <td>874500</td> </tr> </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)	0	Total Annual Income from Office Space and Rental Services to Start-ups/Innovators (In Rupees)	874500	Yes
Yes																					
Total Annual Income from Training and Skill Development Services (In Rupees)	0																				
Total Annual Income from (Technical and Business) Mentoring Services (In Rupees)	0																				
Total Annual Income from Office Space and Rental Services to Start-ups/Innovators (In Rupees)	874500																				
Source of Grant / Fund							Agency Name			Agency Type		Total Grants / Funds Received by Pre-Incubation & Incubation Centre / Facilities exists in Campus (In Rupees)									
Funding Agency							ISRO			Govt. Agency (Central)		20000000									

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

Srno	Name of CoE Facility	Year of Establishment	CoE with Access to Other I&E Facilities at the HEI	Name of the Funding Schemes Available with CoE, if any (Optional)	Facility Details	Total Nos of Dedicated Executive/Management team Strength Engaged at the Facility	Had the CoE 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 CoE Centre/Facilities?	Had institute spent expenses either from own resource/received fund towards Establishment/Operation of CoE Centre/Facilities?
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**List the Centre of Excellence (CoE) Facilities with Advance Tools and Equipment at the HEI (>= 1000 Sq. Ft. Floor Area)**

1	Centre of Excellence	2019	Innovation Park/Research Park		<table border="1"> <tr> <td>Facility Incharge Name</td> <td>Raman Bedi</td> </tr> <tr> <td>Facility Incharge Email</td> <td>bedir@nitj.ac.in</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>9815981054</td> </tr> </table>	Facility Incharge Name	Raman Bedi	Facility Incharge Email	bedir@nitj.ac.in	Facility Incharge Phone	9815981054	10	No	<table border="1"> <tr> <td colspan="2">Yes</td> </tr> <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>100000</td> </tr> <tr> <td>Total Annual Income from Office Space and Rental Services to Start-ups/Innovators (In Rupees)</td> <td>0</td> </tr> </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)	100000	Total Annual Income from Office Space and Rental Services to Start-ups/Innovators (In Rupees)	0	Yes
Facility Incharge Name	Raman Bedi																						
Facility Incharge Email	bedir@nitj.ac.in																						
Facility Incharge Phone	9815981054																						
Yes																							
Total Annual Income from Training and Skill Development Services (In Rupees)	0																						
Total Annual Income from (Technical and Business) Mentoring Services (In Rupees)	100000																						
Total Annual Income from Office Space and Rental Services to Start-ups/Innovators (In Rupees)	0																						
Source of Grant / Fund		Agency Name		Agency Type		Total Grants / Funds Received by CoE Facility exists in Campus (In Rupees)																	
Funding Agency		MHRD		Govt. Agency (Central)		20000000																	

**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?						
1	TBIC	2018	Innovation Labs, Innovation Park/Research Park, IPR Cell/Technology Transfer Centre, Student Clubs	TBIC, NIT Jalandhar	<table border="1"> <tr> <td>Facility Incharge Name</td> <td>Arun Khosla</td> </tr> <tr> <td>Facility Incharge Email</td> <td>khoslaak@nitj.ac.in</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>9888068332</td> </tr> </table>	Facility Incharge Name	Arun Khosla	Facility Incharge Email	khoslaak@nitj.ac.in	Facility Incharge Phone	9888068332	10	No	No	Yes
Facility Incharge Name	Arun Khosla														
Facility Incharge Email	khoslaak@nitj.ac.in														
Facility Incharge Phone	9888068332														
Source of Grant / Fund		Agency Name		Agency Type		Total Grants / Funds Received by Incubation Facility exists in Campus (In Rupees)									
Institute's Own Fund / Resource		NIT Jalandhar		Govt. Agency (Central)		7086000									

**List the Innovation Park/Research Park Facilities at the HEI (>= 5000 Sq. Ft. Floor Area)**

Srno	Name of Innovation Park/Research Park Facility	Year of Establishment	Innovation Park / Research Park with Access to Other I & E Facilities at the HEI	Name of the Funding Schemes Available with Research/Innovation Park, if any (Optional)	Facility Details		Total Nos of Dedicated Executive/Management team Strength Engaged at the Facility	Had the Research Park/Innovation Park 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 Research Park/Innovation Park?		Had the Research Park/Innovation Park Provided any Funding Support for Idea/Prototype/Innovation/Start up/Venture Development and implementation during the Financial Year 2019-20?
					Facility Incharge Name	Facility Incharge Email			Facility Incharge Phone	Yes	
1	Research Park	2019	Innovation Labs		Facility Incharge Name	SK Sinha	4	No	Yes		Yes
					Facility Incharge Email	sinhas k@nitj.ac.in			Total Annual Income from Training and Skill Development Services (In Rupees)	10000	
					Facility Incharge Phone	70180 47897			Total Annual Income from (Technical and Business) Mentoring Services (In Rupees)	10000	
									Total Annual Income from Office Space and Rental Services to Start-ups/Innovators (In Rupees)	10000	
Source of Grant / Fund				Agency Name				Agency Type		Total Grants / Funds Received by Incubation Facility exists in Campus (In Rupees)	
Institute's Own Fund / Resource				NIT Jalandhar				Educational Institute		1000000	

**List the IPR Cell/Technology Transfer Centre Facilities at the HEI**

Srno	Name of IPR Cell/Technology Transfer Centre Facility	Year of Establishment	IPR Cell/Technology Transfer Centre with Access to Other I&E Facilities at the HEI	Name of the Funding Schemes Available with IPR Cell/Technology Transfer Centre, if any (Optional)	Facility Details		Total Nos of Dedicated Executive/Management team Strength Engaged at the Facility	Had the IPR Cell/Technology Transfer Centre 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 IPR Cell/Technology Transfer Centre?		Had the IPR Cell/Technology Transfer Centre Provided any Funding Support for Idea/Prototype/Innovation/Start up/Venture Development and implementation during the Financial Year 2019-20?
					Facility Incharge Name	Facility Incharge Email			Facility Incharge Phone	Yes	
1	IPR Cell	2019	Incubation Unit		Facility Incharge Name	S K Sinha	4	Yes	No		Yes
					Facility Incharge Email	sinhas k@nitj.ac.in					
					Facility Incharge Phone	94173 66990 6					



### List the IPR Cell/Technology Transfer Centre Facilities at the HEI

Source of Grant / Fund	Agency Name	Agency Type	Total Grants / Funds Received by Incubation Facility exists in Campus (In Rupees)
Institute's Own Fund / Resource	NIT Jalandhar	Educational Institute	100000

### 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 Arun K Khosla	Professor	Idea/Innovation Development,Entrepreneurship/Startup Development	20
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	Space Technology Incubation Center		Within	
Technology Business Incubation Center		Within		
2	Dr S K Sinha	Professor	Idea/Innovation Development,Entrepreneurship/Startup Development,IPR Protection & Commercialization	26
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	Tinkering lab		Within	
3	Dr Raman Bedi	Department of Mechanical Engineering	Idea/Innovation Development,Entrepreneurship/Startup Development,IPR Protection & Commercialization	15
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	Centre of excellence		Within	

### Provide detail list of External Experts/Agencies engaged as Mentor to help Ideas/Innovations/Startups

Srno	Name of the External Expert/Agency as Mentor	Mentor Expert Area	Type of Mentorship
1	ISRO	Idea/Innovation Development,Entrepreneurship/Startup Development,IPR Protection & Commercialization	Unstructured Mentorship
2	NIRRR Chandigarh	Idea/Innovation Development,Entrepreneurship/Startup Development,IPR Protection & Commercialization	Unstructured Mentorship
3	IIT Mandi	Idea/Innovation Development,Entrepreneurship/Startup Development,IPR Protection & Commercialization	Unstructured Mentorship

### List all the Innovations Generated Developed, Completed and Implemented in Ground with Support of Pre-incubation & Incubation facilities at the HEI and Recognitions Received

Srno	Name of the Innovation Generated with the Support of HEI	Type of Innovation	Nature of Innovation	Name of the HEI Supported Innovation Development	Innovation Developed by	Stage of Innovation /Stage of TRL it started receiving the Support during the FY 2019-20	Stage of Innovation /Stage of TRL reached as on 31st March 2020	Status Pre-Incubation/Incubation Support to Innovation as on 31st March 2020	Had the Innovation Received any Recognition at State, National, International Level Programs during the financial period 2019-20	Had the Innovation Converted into Venture/Startup/SME Unit during the financial period 2019-20	Had Centre/institute provided any Financial support (either own resource or fund received from agencies) in terms of Seed Grant/Fund Support to Idea / Prototype / Innovations Development during the financial period 2019-20	Had the Innovations raised any Seed fund/Angel Investment/VC during the period of receiving pre-incubation/incubation support at your Pre-incubation/incubation or HEI during the financial period 2019-20	Had the Pre-incubation/Incubation Centre/HEI received any income/revenue from Idea/Prototype/Innovations for the pre-incubation/incubation support and the services offered by Pre-incubation/incubation or institute during the financial period 2019
1	Single Object Tracking in a video/Image Sequence using Machine/Deep Learning Techniques	Product Innovation,Process Innovation	Technological	Space technology incubation center	Student-Faculty	TRL 2 : Technology formulation. Concept and application have been formulated .	TRL 2 : Technology formulation. Concept and application have been formulated .	Innovation Development Ongoing	No	No	Grant Amount in Rs 1660000	No	Amount Received in Rs. 1660000
Name		Type		Gender		Email		Contact					
Dr Om Prakash Verma		Faculty		Male		vermaop@nitj.ac.in		7579279839					
Name		Type		Gender		Email		Contact					
Dr Rajnish Rani		Faculty		Male		ranir@nitj.ac.in		8146800757					
Dr Samayveer Singh		Faculty		Male		samays@nitj.ac.in		9953741966					
Dr Vinit Jakhetiya		Faculty		Male		vinit.jakhetiya@iitjammu.ac.in		9773886090					
2	Strengthening Ridge to Valley based NRM planning under Mission Water Conservation using Geospatially enabled Serious Gaming	Product Innovation,Process Innovation	Technological	SPACE TECHNOLOGY INCUBATION CENTRE ISRO	Student-Faculty	TRL 2 : Technology formulation. Concept and application have been formulated .	TRL 2 : Technology formulation. Concept and application have been formulated .	Innovation Development Ongoing	No	No	Grant Amount in Rs 310000	No	Amount Received in Rs. 310000
Name		Type		Gender		Email		Contact					
Dr Arun Khosla		Faculty		Male		khoslaak@nitj.ac.in		9888068332					
Name		Type		Gender		Email		Contact					
Mr Gagandeep Singh		Alumni Entrepreneur		Male		nitj.gagan@gmail.com		7702711124					

3	Design & Development of RF and Microwave Components	Product Innovation, Process Innovation	Technological	Space technology incubation center ISRO	Student-Faculty	TRL 2 : Technology formulation. Concept and application have been formulated .	TRL 2 : Technology formulation. Concept and application have been formulated .	Innovation Development Ongoing	No	No	Grant Amount in Rs 645000	No	Amount Received in Rs. 645000
	Name		Type		Gender		Email		Contact				
	Dr Sukwinder Singh		Faculty		Male		sukwinders@nitj.ac.in		8174802076				
4	Modelling and Simulation of Antenna Control Servo System	Product Innovation, Process Innovation	Technological	SPACE TECHNOLOGY INCUBATION CENTRE ISRO	Student-Faculty	TRL 2 : Technology formulation. Concept and application have been formulated .	TRL 2 : Technology formulation. Concept and application have been formulated .	Innovation Development Ongoing	No	No	Grant Amount in Rs 575000	No	Amount Received in Rs. 575000
	Name		Type		Gender		Email		Contact				
	Dr Joseph Anand VAZ		Faculty		Male		anandvaz@nitj.ac.in		9779030110				
5	Piezoelectric actuators for position/shape control applications	Product Innovation, Process Innovation	Technological	Space technology incubation Center ISRO	Student-Faculty	TRL 2 : Technology formulation. Concept and application have been formulated .	TRL 2 : Technology formulation. Concept and application have been formulated .	Innovation Development Ongoing	No	No	Grant Amount in Rs 658783	No	Amount Received in Rs. 658783
	Name		Type		Gender		Email		Contact				
	Dr Ashok Kumar		Faculty		Male		baghaak@nitj.ac.in		6239939218				
5	Piezoelectric actuators for position/shape control applications	Product Innovation, Process Innovation	Technological	Space technology incubation Center ISRO	Student-Faculty	TRL 2 : Technology formulation. Concept and application have been formulated .	TRL 2 : Technology formulation. Concept and application have been formulated .	Innovation Development Ongoing	No	No	Grant Amount in Rs 658783	No	Amount Received in Rs. 658783
	Name		Type		Gender		Email		Contact				
	Dr Kiran Singh		Faculty		Male		singhkp@nitj.ac.in		9893134824				

6	Development of NavIC based Asset Tracking System	Product Innovation,Process Innovation	Technological	Space technology Incubation Center ISRO	Student-Faculty	TRL 2 : Technology formulation. Concept and application have been formulated .	TRL 2 : Technology formulation. Concept and application have been formulated .	Innovation Development Ongoing	No	No	Grant Amount in Rs 630000	No	Amount Received in Rs. 630000
	Name		Type		Gender		Email		Contact				
	Dr Satish Awasthi		Faculty		Male		awasthisk@nitj.ac.in		7752846453				
	Name		Type		Gender		Email		Contact				
Dr K S Nagla		Faculty		Male		naglaks@nitj.ac.in		9417744002					
7	Design and development of D-sub miniature space grade connectors for space applications	Product Innovation,Process Innovation	Technological	Space technology incubation Center ISRO	Student-Faculty	TRL 2 : Technology formulation. Concept and application have been formulated .	TRL 2 : Technology formulation. Concept and application have been formulated .	Innovation Development Ongoing	No	No	Grant Amount in Rs 720000	No	Amount Received in Rs. 720000
	Name		Type		Gender		Email		Contact				
	Dr Satish Awasthi		Faculty		Male		awasthisk@nitj.ac.in		7752846453				
	Name		Type		Gender		Email		Contact				
Dr Ashok Kumar		Faculty		Male		baghaak@nitj.ac.in		6239939218					
8	Improving the heat transfer efficiency of thermal base plate inside a thermal vacuum chamber	Product Innovation,Process Innovation	Technological	SPACE TECHNOLOGY INCUBATION CENTRE ISRO	Student-Faculty	TRL 2 : Technology formulation. Concept and application have been formulated .	TRL 2 : Technology formulation. Concept and application have been formulated .	Innovation Development Ongoing	No	No	Grant Amount in Rs 2930000	No	Amount Received in Rs. 2930000
	Name		Type		Gender		Email		Contact				
	Dr Subhash Chander		Faculty		Male		chanders@nitj.ac.in		9417864015				
	Name		Type		Gender		Email		Contact				
Dr Satyender Singh		Faculty		Male		satyenders@nitj.ac.in		9418662007					

9	FPGA based High Speed CCSDS Processor for Baseband Receiver	Product Innovation, Process Innovation	Technological	SPACE TECHNOLOGY INCUBATION CENTRE ISRO	Student-Faculty	TRL 2 : Technology formulation. Concept and application have been formulated.	TRL 2 : Technology formulation. Concept and application have been formulated.	Innovation Development Ongoing	No	No	Grant Amount in Rs 617000	No	Amount Received in Rs. 617000
Name		Type		Gender		Email		Contact					
Dr Ashish Raman		Faculty		Male		ramana@nitj.ac.in		9888217273					
Name		Type		Gender		Email		Contact					
Dr Mamta Khosla		Faculty		Female		khoslam@nitj.ac.in		9888604632					
Dr Balwinder Raj		Faculty		Male		rajb@nitj.ac.in		7589480655					

**List all the Ventures/Startups/SME Units Established with Support of Pre-incubation & Incubation facilities at the HEI**

Srno	Name of the Venture/Startup/SME Unit Established with the Support of HEI	Type of Innovation of Venture/Startup/SME Unit	Nature of Innovation	Name of the Pre-Incubation/Incubation Unit of HEI Supported Innovation Development	Venture Founded by	Venture Registered as	Year of Registration	What is the current status of Pre-Incubation/Incubation Support to Venture/Startup/ SME Unit as on 31st March 2020?	Had the Venture Received any Recognition at State, National, International Level Programs during the financial period 2019-20?	Had Centre/institute provided any Financial support (either own resource or fund received from agencies) in terms of Seed Grant/Fund Support to Venture establishment during the financial period 2019-20?	Had the venture/startup raised any Seed fund/Angel Investment/V C during the period of receiving pre-incubation/incubation support at your Pre-incubation/incubation or HEI during the financial period 2019-20?	Had the Pre-incubation/Incubation Centre/HEI received any income/revenue from venture/startup for the pre-incubation/incubation support and the services offered by Pre-incubation/incubation or institute during the financial period 2019-20?	Has the Start-up Grown to a stage of Employment Generation to 10 Numbers or an annual Turnover to Rs. 50 Lakhs during the financial year 2019-20?
1	Inspiria	Product Innovation, Service Innovation	Technological	6	Student	Venture with Corporate Identification Number (CIN) Registration	2019-20	Received Incubation Support from Incubation Unit	No	No	No	No	No
Name		DIN number		Type		Gender		Email		Contact			
Varun Kapoor		19113105		Student		Male		varunk.ip.19@nitj.ac.in		9501382745			
Garvit Gupta		19113029		Student		Female		garvitg.ip.19@nitj.ac.in		6375425306			
Shivam Kumar Mishra		19112092		Student		Male		shivamkm.cm.19@nitj.ac.in		6239316123			

2	GETMEJOB	Service Innovation	Technologica 	6	Student	Venture with Corporate Identificati on Number (CIN) Registrati on		2019-20	Received Incubation Support from Incubation Unit	No	No	No	No	No
Name		DIN number			Type		Gender			Email		Contact		
Karanbir Singh		19110042			Student		Male			karanbirs.tt.19@nitj.ac.in		8054974060		
3	Yash Digital Solutions	Service Innovation	Technologica 	6	Student	Venture with Corporate Identificati on Number (CIN) Registrati on		2019-20	Received Incubation Support from Incubation Unit	No	No	No	No	No
Name		DIN number			Type		Gender			Email		Contact		
Yash Rastogi		20106112			Student		Male			yashr.ic.20@nitj.ac.in		9870683549		
4	Gaming App	Service Innovation	Technologica 	6	Student	Venture with Corporate Identificati on Number (CIN) Registrati on		2019-20	Received Incubation Support from Incubation Unit	No	No	No	No	No
Name		DIN number			Type		Gender			Email		Contact		
Ankit Meena		19109015			Student		Male			ankitm.me.19@nitj.ac.in		9779576926		
5	MAKIRTAS OPC PRIVATE LIMITED	Product Innovation	Technologica 	6	Student	Venture with Corporate Identificati on Number (CIN) Registrati on	089101 49	2019-20	Received Incubation Support from Incubation Unit	No	No	No	No	No
Name		DIN number			Type		Gender			Email		Contact		
Vaibhav Sharma		20701034			Student		Male			vaibhavs.hm.20@nitj.ac.in		8839142050		

6	Scrollwell EduTech LLP	Product Innovation, Process Innovation	Technologica	6	Student	Venture with Corporate Identification Number (CIN) Registration	2019-20	Received Incubation Support from Incubation Unit	No	No	No	No	No
Name		DIN number		Type		Gender		Email		Contact			
Roshan Kumar		20701023		Student		Male		roshank.hm.20@nitj.ac.in		9592250969			
7	Inventix	Service Innovation	Technologica	6	Student	Venture with Corporate Identification Number (CIN) Registration	2018-19	Received Incubation Support from Incubation Unit	No	No	No	No	No
Name		DIN number		Type		Gender		Email		Contact			
Vineeta Sahani		20701023		Alumni Entrepreneur		Female		vinitaryme@gmail.com		6360735603			
Md. Muddser		06102023		Student		Male		muddser@gmail.com		9929063316			
8	Sanved	Process Innovation	Technologica	6	Student	Venture with Corporate Identification Number (CIN) Registration	2019-20	Received Incubation Support from Incubation Unit	No	No	No	No	No
Name		DIN number		Type		Gender		Email		Contact			
Aarchishya Kapoor		Nil		Student		Female		akapoor6_be19@thaper.edu		9540169687			
9	NITovators	Service Innovation	Technologica	6	Student	Venture with Corporate Identification Number (CIN) Registration	2019-20	Received Incubation Support from Incubation Unit	No	No	No	No	No
Name		DIN number		Type		Gender		Email		Contact			
Roshan Kumar		20701023		Student		Male		roshank.hm.20@nitj.ac.in		9592250969			

10	Kowera	Process Innovation	Technologica 	6	Faculty	Venture with Corporate Identificati on Number (CIN) Registrati on	2019-20	Received Incubation Support from Incubation Unit	No	No	No	No	No
Name		DIN number			Type	Gender			Email		Contact		
Kulbhushan Chand		NA			Student	Male			Kulbhushan.chand@gmail.com		7696528377		
11	Kayrio	Process Innovation	Technologica 	6	Student	Venture with Corporate Identificati on Number (CIN) Registrati on	2019-20	Received Incubation Support from Incubation Unit	No	No	No	No	No
Name		DIN number			Type	Gender			Email		Contact		
Arun Khosla		NA			Faculty	Male			khoslaak@nitj.ac.in		9888068332		
12	Genesis Controls	Product Innovation,Process Innovation	Technologica 	6	Student	Venture with Corporate Identificati on Number (CIN) Registrati on	2019-20	Received Incubation Support from Incubation Unit	No	No	No	No	No
Name		DIN number			Type	Gender			Email		Contact		
Sumit Grover		80148916			Alumni Entrepreneur	Male			sumitgrover2006@gmail.com		9915751979		
13	Eskairo	Process Innovation	Technologica 	6	Student	Venture with Corporate Identificati on Number (CIN) Registrati on	2019-20	Received Incubation Support from Incubation Unit	No	No	No	No	No
Name		DIN number			Type	Gender			Email		Contact		
Jasvinder Singh		08590797			Student	Male			jvswilkhoo69@yahoo.com		8699151954		
Avtar Kaur		08590798			Student	Female			avtark38@yahoo.com		7717426215		



14	NIT Tech Solutions	Product Innovation, Process Innovation	Technologica	6	Faculty	Venture with Corporate Identification Number (CIN) Registration		2019-20	Received Incubation Support from Incubation Unit	No	No	No	No	No
Name		DIN number		Type		Gender		Email		Contact				
S K MISHRA		NA		Faculty		Male		registrar@nitj.ac.in		9478098010				
VINAY MIDHA		NA		Faculty		Male		midhav@nitj.ac.in		9815948608				
15	Knoviq Stream	Process Innovation	Technologica	6	Student	Venture with Corporate Identification Number (CIN) Registration		2019-20	Received Incubation Support from Incubation Unit	No	No	No	No	No
Name		DIN number		Type		Gender		Email		Contact				
Rajiv Trehan		NA		Faculty		Male		trehanr@nitj.ac.in		8146500951				
Ajay Gupta		NA		Faculty		Male		guptaa@nitj.ac.in		9501030373				
16	MEDITEX INDUSTRIES PVT. LTD.	Process Innovation	Technologica	6	Faculty	Venture with Corporate Identification Number (CIN) Registration	NA	2017-18	Received Incubation Support from Incubation Unit	No	No	No	No	No
Name		DIN number		Type		Gender		Email		Contact				
VINAY MIDHA		NA		Faculty		Male		midhav@nitj.ac.in		9478098010				
Varsha		NA		Alumni Entrepreneur		Female		Barkha75@rediffmail.com		9876048608				

### List all the Collaborations with External Agencies and Co-Creation of I&E Activities by the HEI

Srno	Collaborated Agency Name	Collaborated Agency Type	Purpose of Collaboration	Type of Support Offered	No. of Student Projects/ Ideas / Innovation / Startups from the HEI get benefitted through this partnership	Date of MOU / Agreement Signed on
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1	MHRD INNOVATION Cell	Govt. Agency (Central)	Providing (or) Receiving Mentor and Handholding Support to Support I&E Activities	Pre-incubation,Incubation,Mentoring,Networking,Investment,Seed fund	12	01-10-2019
2	ISRO	Govt. Agency (Central)	Providing (or) Receiving Incubation/Pre-Incubation Support Services to Innovators/Startups	Incubation,Mentoring,Networking,Investment,Seed fund	9	17-01-2019
3	Ministry of Education	Govt. Agency (Central)	Providing (or) Receiving Incubation/Pre-Incubation Support Services to Innovators/Startups	Incubation,Mentoring,Networking,Investment,Seed fund	4590	01-07-2019
4	SERB	Govt. Agency (Central)	Providing (or) Receiving Mentor and Handholding Support to Support I&E Activities	Pre-incubation,Incubation,Mentoring,Networking,Investment,Seed fund	1	25-01-2019
5	SERB	Govt. Agency (Central)	Providing (or) Receiving Mentor and Handholding Support to Support I&E Activities	Pre-incubation,Incubation,Mentoring,Networking,Investment,Seed fund	1	01-07-2019
6	CSIR	Govt. Agency (Central)	Providing (or) Receiving Mentor and Handholding Support to Support I&E Activities	Pre-incubation,Incubation,Mentoring,Networking,Investment,Seed fund	1	17-06-2020
7	CSIR	Govt. Agency (Central)	Providing (or) Receiving Mentor and Handholding Support to Support I&E Activities	Pre-incubation,Incubation,Mentoring,Networking,Investment,Seed fund	1	01-05-2019
8	SERB	Govt. Agency (Central)	Providing (or) Receiving Mentor and Handholding Support to Support I&E Activities	Pre-incubation,Incubation,Mentoring,Networking,Investment,Seed fund	1	19-12-2019
9	Royal Society, UK	International Agencies	Providing (or) Receiving Mentor and Handholding Support to Support I&E Activities	Seed fund	1	05-01-2020
10	Royal Society, UK/TEQIP-III	Govt. Agency (Central)	Providing (or) Receiving Mentor and Handholding Support to Support I&E Activities	Seed fund	1	10-01-2020
11	UGC_DAE, CSR Indore	Govt. Agency (Central)	Providing (or) Receiving Mentor and Handholding Support to Support I&E Activities	Mentoring	1	01-01-2020
12	Science and Engineering Research Board (SERB) - Department of Science and Technology (DST), New Delhi	Govt. Agency (Central)	Providing (or) Receiving Mentor and Handholding Support to Support I&E Activities	Mentoring,Investment,Seed fund	1	01-02-2020
13	Department of Science and Technology	Govt. Agency (Central)	Providing (or) Receiving Mentor and Handholding Support to Support I&E Activities	Mentoring,Investment,Seed fund	1	15-01-2020
14	National Institute of Technical Teachers Training & Research (NITTTR), Chandigarh	Govt. Agency (Central)	Providing (or) Receiving Mentor and Handholding Support to Support I&E Activities	Pre-incubation,Incubation,Mentoring	1	12-02-2020
15	University of Missouri, Kansas City, USA	Educational Institute	Providing (or) Receiving Mentor and Handholding Support to Support I&E Activities	Incubation,Mentoring,Networking	1	09-03-2020

**List the IPs Filed/Published/Granted (Copyright & Designs Only) by the HEI as an Applicant / Co-applicant / Co-owner**

Srno	Title/Name of IP(Copyright & Designs Only)	Type of IP(Copyright & Designs Only)	IP(Copyright & Designs Only) Registration Number of Copyright/Design	Application Level	Date of Copyright / Design IP Filed/ Published (Year, Month)	Copy of receipt / application screenshot [PDF or Image]	Current Status of IP(Copyright & Designs Only) as on 31st March 2020	Has this IP(Copyright & Designs Only) been Commercialized/Tranferred to Industry/Startup/Society?
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1	Projections in Engineering Drawing using Computer Programming with MATLAB Coding	IPRFiledPublished	L 88212/2019	National	2019 - 12	Uploaded	Granted	No
Department/Centre Name								
Mechanical engineering NI								
2	SMIuGPM Software Metering Infrastructure for DC Microgrid Power Management	IPRFiledPublished	16777/2019	National	2019 - 10	Uploaded	Filed	No
Department/Centre Name								
Instrumentation and contr								
3	Embankment Reinforcement Tyre Grid	IPRFiledPublished	316898001	National	2019 - 04	Uploaded	Filed	No
Department/Centre Name								
Civil Engineering NIT Jal								
4	Reclaimed Rubber Cell Mattress in Road Construction	IPRFiledPublished	316897001	National	2019 - 04	Uploaded	Filed	No
Department/Centre Name								
Civil Engineering NIT Jal								
5	Cone Pipe VL Meter for Rheology Study of Fresh Self Consolidating Concrete	IPRFiledPublished	320349001	National	2019 - 08	Uploaded	Filed	No
Department/Centre Name								
Civil Engineering NIT Jal								
6	Software on User identification using unique typing characteristics in key based systems	IPRFiledPublished	SW4236/2019	National	2019 - 08	Uploaded	Granted	No
Department/Centre Name								
Computer science and engi								

### 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	Laboratory test apparatus to measure heat transfer through hardened concrete	201911015457	National	2019 - 04	Uploaded
2	Integrated poly-generation system and method thereof	202011002594	National	2020 - 01	
3	Renewable solar energy system for simultaneous generation of electrical energy and hot water	202011010257	National		
Uploaded					

2020 - 03	Uploaded		4	Instrument for making geometrical shapes and method thereof	202011011813
National	2020 - 03	Uploaded		5	Sub bandage pressure measuring instrument and method thereof
2020110111183	National	2020 - 03	Uploaded		6
Wearable autonomous electronic device for personal security	202011008721	National	2020 - 02	Uploaded	
7	Energy Harvesting by Electromechanical Assembly	201911033018	National	2019 - 08	Uploaded
	8	Biodegradable Packaging Films from Modified Barley Husk and Method of Synthesis Thereof	202011007500	National	2020 - 02
Uploaded		9	Sub bandage pressure measuring instrument and method	202011011830	National
2020 - 03	Uploaded		10	Instrument for making geometrical shapes and method thereof	202011011813
National	2020 - 03	Uploaded		11	Energy Harvesting by Electromechanical Assembly
201911033018	National	2019 - 08	Uploaded		12
SAFETY DEVICE FOR WOMEN FOR INSTANT PREVENTION OF BAD TOUCH	201911045905	National	2019 - 11	Uploaded	

### List the IPs hold by the Innovation teams/Startups Incubated at the Pre-incubation/incubation Unit of the HEI

**No Data Filled!**

### List the IP Commercialized/Transferred Published & Granted to HEI as Co-applicant/Co-owner

Srno	Name of Technology Licenced / Transferred / Commercialized	Technology Type	Type of Transfer	Patent / Licence Number	Patent / Licence Holder	Centre / Department of Origin of Licence	Licence Transferred to	Had institute spent expenses either from own resource/received fund to organise the program/activity/event?	Total Annual Income Received from Technology Transfer/Licensing (In Rupees)
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**List the IP Commercialized/Transferred Published & Granted to HEI as Co-applicant/Co-owner**

1	An improved packed bed photocatalytic reactor with high and uniform illumination and an associated technique of purification	IP/Patented Technology	Licensing with Royalty Sharing	4290	<table border="1"> <tr> <td>Patent/Licence Holder name (Institute Co-ownership is Must)</td> <td>Dr Jatinder Kumar Ratan</td> </tr> <tr> <td>Contact number of license holder</td> <td>9316034908</td> </tr> <tr> <td>Email of Licence holder</td> <td>ratanjk@nitj.ac.in</td> </tr> <tr> <td>Gender</td> <td>Male</td> </tr> </table>	Patent/Licence Holder name (Institute Co-ownership is Must)	Dr Jatinder Kumar Ratan	Contact number of license holder	9316034908	Email of Licence holder	ratanjk@nitj.ac.in	Gender	Male	Chemical Engineering	<table border="1"> <tr> <td>Licence Transferred to</td> <td>Institute</td> </tr> <tr> <td>Name of Industry/Start-up/Agency Received License/Technology</td> <td>Ms HiSafe Electronics Corporation</td> </tr> <tr> <td>Address of Agency</td> <td>413 Industrial Area Phase 1 Panchkula 134113 INDIA</td> </tr> <tr> <td>Contact Number of Agency</td> <td>9316034908</td> </tr> <tr> <td>Email of Agency</td> <td>hisafe.electronics@gmail.com</td> </tr> </table>	Licence Transferred to	Institute	Name of Industry/Start-up/Agency Received License/Technology	Ms HiSafe Electronics Corporation	Address of Agency	413 Industrial Area Phase 1 Panchkula 134113 INDIA	Contact Number of Agency	9316034908	Email of Agency	hisafe.electronics@gmail.com	No	---
Patent/Licence Holder name (Institute Co-ownership is Must)	Dr Jatinder Kumar Ratan																										
Contact number of license holder	9316034908																										
Email of Licence holder	ratanjk@nitj.ac.in																										
Gender	Male																										
Licence Transferred to	Institute																										
Name of Industry/Start-up/Agency Received License/Technology	Ms HiSafe Electronics Corporation																										
Address of Agency	413 Industrial Area Phase 1 Panchkula 134113 INDIA																										
Contact Number of Agency	9316034908																										
Email of Agency	hisafe.electronics@gmail.com																										
2	Development and commercialization of UV base surface disinfectant	IP/Patented Technology	One-time transfer/Licensing	24267	<table border="1"> <tr> <td>Patent/Licence Holder name (Institute Co-ownership is Must)</td> <td>Dr KS Nagla</td> </tr> <tr> <td>Contact number of license holder</td> <td>9417744002</td> </tr> <tr> <td>Email of Licence holder</td> <td>naglaks@nitj.ac.in</td> </tr> <tr> <td>Gender</td> <td>Male</td> </tr> </table>	Patent/Licence Holder name (Institute Co-ownership is Must)	Dr KS Nagla	Contact number of license holder	9417744002	Email of Licence holder	naglaks@nitj.ac.in	Gender	Male	Department of ICE	<table border="1"> <tr> <td>Licence Transferred to</td> <td>Industry</td> </tr> <tr> <td>Name of Industry/Start-up/Agency Received License/Technology</td> <td>UCOMAX</td> </tr> <tr> <td>Address of Agency</td> <td>Vadodara</td> </tr> <tr> <td>Contact Number of Agency</td> <td>9904446611</td> </tr> <tr> <td>Email of Agency</td> <td>info@ucomax.com</td> </tr> </table>	Licence Transferred to	Industry	Name of Industry/Start-up/Agency Received License/Technology	UCOMAX	Address of Agency	Vadodara	Contact Number of Agency	9904446611	Email of Agency	info@ucomax.com	No	---
Patent/Licence Holder name (Institute Co-ownership is Must)	Dr KS Nagla																										
Contact number of license holder	9417744002																										
Email of Licence holder	naglaks@nitj.ac.in																										
Gender	Male																										
Licence Transferred to	Industry																										
Name of Industry/Start-up/Agency Received License/Technology	UCOMAX																										
Address of Agency	Vadodara																										
Contact Number of Agency	9904446611																										
Email of Agency	info@ucomax.com																										
3	Breathable filter fabric for reusable facemask	IP/Patented Technology	One-time transfer/Licensing	202011026653	<table border="1"> <tr> <td>Patent/Licence Holder name (Institute Co-ownership is Must)</td> <td>Professor Vinay Midha</td> </tr> <tr> <td>Contact number of license holder</td> <td>9815948608</td> </tr> <tr> <td>Email of Licence holder</td> <td>midhav@nitj.ac.in</td> </tr> <tr> <td>Gender</td> <td>Male</td> </tr> </table>	Patent/Licence Holder name (Institute Co-ownership is Must)	Professor Vinay Midha	Contact number of license holder	9815948608	Email of Licence holder	midhav@nitj.ac.in	Gender	Male	Department of Textile Technology	<table border="1"> <tr> <td>Licence Transferred to</td> <td>Industry</td> </tr> <tr> <td>Name of Industry/Start-up/Agency Received License/Technology</td> <td>Singla Engravures and Meditex Industries Pvt Ltd</td> </tr> <tr> <td>Address of Agency</td> <td>ghaziabad and jalanandhar</td> </tr> <tr> <td>Contact Number of Agency</td> <td>9815948608</td> </tr> <tr> <td>Email of Agency</td> <td>midhav@gmail.com</td> </tr> </table>	Licence Transferred to	Industry	Name of Industry/Start-up/Agency Received License/Technology	Singla Engravures and Meditex Industries Pvt Ltd	Address of Agency	ghaziabad and jalanandhar	Contact Number of Agency	9815948608	Email of Agency	midhav@gmail.com	No	---
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## 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. Lalit Kumar Awasthi (Head of Institute) and Prof. S K Sinha (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



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Prof. Lalit Kumar Awasthi  
Head of the Institution,  
Jalandhar, Punjab

Nodal officer



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Prof. S K Sinha  
Nodal Officer,  
Jalandhar, Punjab