



# 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: Indore Institute of Science & Technology, Village Dehri, Opp IIM, Pithampur Road, Indore 453 331 [ARI-C-36075]

### 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)
Centre for Application of Research in engineering CARE	Incubation Unit	Computer Science, Electronics, Mechanical, Information Technology, Chemical , Civil	UG / PG / PhD	Technical	1268	129	31
Department of Computer Science and Engineering	Academic Department with lab facility	Computer Science Engineering	UG / PG / PhD	Technical	693	43	9
Department of Chemical Engineering	Academic Department with lab facility	Chemical Engineering	UG / PG / PhD	Technical	97	12	4
Department of Electronics and Communication	Academic Department with lab facility	Electronics and Communication	UG / PG / PhD	Technical	73	14	4
Department of Information Technology	Academic Department with lab facility	IT	UG / PG / PhD	Technical	104	12	2
Department of Mechanical Engineering	Academic Department with lab facility	Mechanical	UG / PG / PhD	Technical	206	36	8
Department of Civil Engineering	Academic Department with lab facility	Civil	UG / PG / PhD	Technical	97	12	4
EDC	Pre-incubation unit	Computer Science, Electronics, Mechanical, Information Technology, Chemical , Civil	UG / PG / PhD	Both	1268	129	31

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

Programs/Initiatives	Status	Registration ID
Adopted National Innovation and Start-up Policy at the HEI	Yes	Not Required
Establishment of Institution's Innovation Council (IIC) at HEI	Yes	IIC Registration ID : IC201912196
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)	Yes	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	Industrial Visit to Rama Phosphate Pvt Ltd	Entrepreneurship/Startup	Exposure visit	Institute Lead Activity	Department of Chemical Engineering	04-10-2019 00:00:00	04-10-2019 00:00:00	1	Outside Campus	30	2	0	0	32	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) 2000	No
2	Industrial Visit to IIT Indore	Entrepreneurship/Startup	Exposure visit	Institute Lead Activity	Department of Chemical Engineering	12-07-2019 00:00:00	12-07-2019 00:00:00	1	Outside Campus	30	3	0	0	33	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) 2000	No
3	Scope of Chemical Engineering & how its different from other branches	Entrepreneurship/Startup	Awareness	Institute Lead Activity	Department of Chemical Engineering	24-09-2019 00:00:00	24-09-2019 00:00:00	1	Within Campus	75	6	0	0	81	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) 2000	No
4	Industrial Visit to Shakti Pumps	Entrepreneurship/Startup	Exposure visit	Institute Lead Activity	Department of Mechanical Engineering	31-08-2019 00:00:00	31-08-2019 00:00:00	1	Outside Campus	29	2	0	0	31	No	No
5	Building Planning and Architecture	Entrepreneurship/Startup	Skill development	Institute Lead Activity	Department of Civil Engineering	02-01-2020 00:00:00	10-01-2020 00:00:00	9	Within Campus	46	2	0	0	48	No	No
6	Sustainable development	Entrepreneurship/Startup	Skill development	Institute Lead Activity	Department of Civil Engineering	01-10-2019 00:00:00	15-10-2019 00:00:00	15	Within Campus	6	2	0	0	8	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) 5000	No
7	Industrial Visit to Ultratech Ready Mix Concrete Plant, Palda	Entrepreneurship/Startup	Exposure visit	Institute Lead Activity	Department of Civil Engineering	31-08-2019 00:00:00	31-08-2019 00:00:00	1	Outside Campus	22	2	0	0	24	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) 480	No

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

8	Industrial Visit to Water Treatment Plant at Jalud	Entrepreneurship/Startup	Exposure visit	Institute Lead Activity	Department of Civil Engineering	12-10-2019 00:00:00	12-10-2019 00:00:00	1	Outside Campus	40	2	0	0	42	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	1050	No
9	Workshop on Advanced Robotics	Entrepreneurship/Startup	Workshop	Institute Lead Activity	Department of Electronics and Communication Engineering	24-06-2019 00:00:00	28-06-2019 00:00:00	5	Within Campus	35	2	0	0	37	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	500	No
10	Design and Fabrication Workshop	Innovation	Workshop	Institute Lead Activity	Department of Electronics and Communication Engineering	01-07-2019 00:00:00	03-07-2019 00:00:00	3	Within Campus	17	3	0	0	20	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	500	No
11	Workshop on Advanced IOT Application	Entrepreneurship/Startup	Workshop	Institute Lead Activity	Department of Electronics and Communication Engineering	29-06-2019 00:00:00	05-07-2019 00:00:00	7	Within Campus	16	2	0	0	18	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	700	No
12	eYantra Workshop on Robotics	Innovation	Workshop	Institute Lead Activity	Department of Electronics and Communication Engineering	11-10-2019 00:00:00	12-10-2019 00:00:00	2	Within Campus	4	4	0	30	38	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	500	No
13	Workshop on VLSI Design	Entrepreneurship/Startup	Workshop	Institute Lead Activity	Department of Electronics and Communication Engineering	02-01-2020 00:00:00	03-01-2020 00:00:00	2	Within Campus	16	2	0	0	18	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	300	No
14	Workshop on Fun with Arduino	Entrepreneurship/Startup	Workshop	Institute Lead Activity	Department of Electronics and Communication Engineering	02-01-2020 00:00:00	04-01-2020 00:00:00	3	Within Campus	25	2	0	0	27	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	500	No

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

15	Workshop on Arduino Using Python	Innovation	Workshop	Institute Lead Activity	Department of Electronics and Communication Engineering	06-01-2020 00:00:00	11-01-2020 00:00:00	6	Within Campus	19	2	0	0	21	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	1000	No
16	Workshop on Mechatronics	Innovation	Workshop	Institute Lead Activity	Department of Electronics and Communication Engineering	10-02-2020 00:00:00	13-02-2020 00:00:00	4	Within Campus	19	2	0	0	21	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	500	No
17	PCB Design and Fabrication Workshop	Entrepreneurship/Start-up	Workshop	Institute Lead Activity	Department of Electronics and Communication Engineering	06-01-2020 00:00:00	08-01-2020 00:00:00	3	Within Campus	25	2	0	0	27	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	1000	No
18	AI and ML for Product Development	Entrepreneurship/Start-up, Innovation	Skill development	Institute Lead Activity	Computer Science	10-02-2020 00:00:00	15-02-2020 00:00:00	6	Within Campus	150	4	0	0	154	No	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**

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	Students Chemical Engineering Congress	Innovation	Conference	Shroff S R Rotary Institute of Chemical Technology Ankaleshwar Gujarat	Educational Institute	17-10-2019 00:00:00	18-10-2019 00:00:00	2	11	2	13	No	---	---	Total Expense Amount Incurred by Institute? (In Rupees)	15000	No
2	Machine Learning for Core Branches	IPR	Workshop	IIT DELHI	Educational Institute	09-12-2019 00:00:00	13-12-2019 00:00:00	5	0	1	1	No	---	---	Total Expense Amount Incurred by Institute? (In Rupees)	10000	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	Safety Health and Environment Issues and Challenges in Realistic world	Innovation	Workshop	Medicaps University Indore	Educational Institute	05-11-2019 00:00:00	06-11-2019 00:00:00	2	0	5	5	No	---	---	No	No	
4	Bio Medical Waste E-Waste and Hazardous Waste Management	IPR	Workshop	Madhya Pradesh Pollution Control Board	Govt. Agency (State)	01-02-2020 00:00:00	01-02-2020 00:00:00	1	0	1	1	No	---	---	No	No	
5	Decoding Industry 4.0 for Inclusive and sustainable Growth	Innovation	Workshop	Shri Vaishnav Vidhyaapeeth Vishwavidyalaya Indore	Educational Institute	03-02-2020 00:00:00	05-02-2020 00:00:00	3	0	1	1	No	---	---	No	No	
6	CNC Milling	Innovation	Training	MSME Technology Center Indore	Govt. Agency (Central)	16-12-2019 00:00:00	21-12-2019 00:00:00	6	24	2	26	No	---	---	Total Total Expense Amount Incurred by Institute? (In Rupees)	7700	No
7	i5 Summit	Entrepreneurship/Startup	Start-up Conclave	Indian institute of Management Indore	Educational Institute	08-08-2019 00:00:00	10-08-2019 00:00:00	3	75	2	77	No	---	---	No	No	
8	CNC Milling	Innovation	Training	MSME Technology Center Indore	Govt. Agency (Central)	06-01-2020 00:00:00	10-01-2020 00:00:00	5	10	2	12	No	---	---	Total Total Expense Amount Incurred by Institute? (In Rupees)	18480	No
9	CNC Turning	Innovation	Training	MSME Technology Center Indore	Govt. Agency (Central)	06-01-2020 00:00:00	10-01-2020 00:00:00	5	28	1	29	No	---	---	Total Total Expense Amount Incurred by Institute? (In Rupees)	21560	No
10	AutoCad	Innovation	Training	MSME Technology Center Indore	Govt. Agency (Central)	06-01-2020 00:00:00	10-01-2020 00:00:00	5	90	2	92	No	---	---	Total Total Expense Amount Incurred by Institute? (In Rupees)	9673	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**

11	Thermal Management of Power Dense Electronics	Entrepreneurship/Startup	Training	IIT Indore	Educational Institute	01-03-2020 00:00:00	07-03-2020 00:00:00	7	0	25	25	No	---	---	No	No	
12	Eyantra Task Based Training	Entrepreneurship/Startup	Skill development	eYantra IIT Bombay	Educational Institute	01-06-2019 00:00:00	31-10-2019 00:00:00	15	0	4	4	No	---	---	Total Total Expense Amount Incurred by Institute? (In Rupees)	5500	No
13	SIH 2019	Innovation	Hackathon	AICTE, New Delhi	Educational Institute	01-04-2019 00:00:00	31-10-2019 00:00:00	21	8	2	10	No	---	---	Total Total Expense Amount Incurred by Institute? (In Rupees)	16000	No
14	Workshop on Advanced IOT Application	Entrepreneurship/Startup	Workshop	Indeyes Infotech	Corporate / Industry Association	29-06-2019 00:00:00	05-07-2019 00:00:00	7	16	2	18	No	---	---	Total Total Expense Amount Incurred by Institute? (In Rupees)	10000	No
15	eYantra Workshop on Robotics	Entrepreneurship/Startup	Workshop	eYantra IIT Bombay	Educational Institute	11-10-2019 00:00:00	12-10-2019 00:00:00	2	4	34	38	No	---	---	Total Total Expense Amount Incurred by Institute? (In Rupees)	24030	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	Internship for I Year on Introduction to Unit Operations of Chemical Engg and real world applications	Entrepreneurship/Startup	Short term Course	Short Term Certificate Course	Department of Chemical Engineering	06-01-2020	10-01-2020	5	Offline	44	30
2	Internship on Analytical Chemical Instrument	Entrepreneurship/Startup	Short term Course	Short Term Certificate Course	Department of Chemical Engineering	08-07-2020	13-07-2020	6	Offline	25	30
3	Foundation aspects of chemical engineering	Entrepreneurship/Startup	Short term Course	Short Term Certificate Course	Department of Chemical Engineering	06-06-2020	21-06-2020	16	Online	44	50
4	Unit operations and Process Calculations on real live industrial projects	Entrepreneurship/Startup	Short term Course	Short Term Certificate Course	Department of Chemical Engineering	06-06-2020	21-06-2020	16	Online	22	50

5	Process Engineering calculations on aspen HYSYS and Aspen EDR	Entrepreneurship/Startup	Short term Course	Short Term Certificate Course	Department of Chemical Engineering	29-05-2020	21-06-2020	24	Online	30	40
6	Thermodynamic Design and Simulation Approach for Refrigeration systems	Entrepreneurship/Startup	Short term Course	Short Term Certificate Course	Department of Mechanical Engineering	22-06-2020	27-06-2020	6	Online	57	30
7	Thermal design and Simulation Techniques for Refrigeration systems	Entrepreneurship/Startup	Short term Course	Short Term Certificate Course	Department of Mechanical Engineering	03-06-2020	08-06-2020	6	Online	13	30
8	Design and Simulation of Air Conditioning systems	Entrepreneurship/Startup	Short term Course	Short Term Certificate Course	Department of Mechanical Engineering	16-11-2020	30-11-2020	15	Online	13	30
9	Static and Dynamic Analysis ANSYS Workbench 19	Entrepreneurship/Startup	Short term Course	Short Term Certificate Course	Department of Mechanical Engineering	18-09-2020	13-10-2020	26	Online	13	30
10	Modelling and Simulation technique in Design and Manufacturing Sector	Entrepreneurship/Startup	Short term Course	Short Term Certificate Course	Department of Mechanical Engineering	25-08-2020	02-09-2020	9	Online	25	50
11	Mechatronics	Entrepreneurship/Startup	Short term Course	Short Term Certificate Course	Department of Mechanical Engineering	08-02-2020	12-02-2020	5	Offline	50	30
12	Enterprise Resource Planning ERP	Entrepreneurship/Startup	Elective/Core Credit Course	Bachelor	Department of Mechanical Engineering	01-07-2019	31-12-2019	184	Offline	36	48

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

Srno	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	Short term Training Program on Process Modeling and Simulation of Micro and Macro Steady State and Dynamic Models	Entrepreneurship/Startup	Employment Generation Training Programs	Department of Chemical Engineering	17-02-2020	22-02-2020	6	Offline	110	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	Mrs. Samatha Singh	Department of Chemical Engineering	Head and Asso 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
	Process Engineering Calculations on Aspen HYSYS and Aspen EDR	Entrepreneurship/Startup	Employment Generation Training Programs	Department of Chemical Engineering in association with EDPTI Delhi	Non-Govt. Agencies	29-05-2020 00:00:00	21-06-2020 00:00:00	24	Online
	Machine Learning for All	IPR	Short term Certificate	University of London	Educational Institute	01-04-2020 00:00:00	20-04-2020 00:00:00	20	Online
	Nanotechnology: A Makers Course	Entrepreneurship/Startup	Short term Certificate	Duke University/ NC State University	Educational Institute	05-01-2020 00:00:00	05-02-2020 00:00:00	32	Online
	Mathematical Modelling of Complex Fluid	IPR	Employment Generation Training Programs	NIT Jalandhar	Educational Institute	24-09-2020 00:00:00	28-09-2020 00:00:00	5	Online
	Process Modeling and Simulation of Micro and Macro Models	Entrepreneurship/Startup	Employment Generation Training Programs	IIST Indore	Educational Institute	17-02-2020 00:00:00	22-02-2020 00:00:00	6	Offline
	Machine Learning for Core Branches	IPR	Employment Generation Training Programs	IIT DELHI	Educational Institute	09-12-2020 00:00:00	13-12-2020 00:00:00	5	Offline
2	Mr. Suveer Dubey	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
	Industry 4.0 and Smart Manufacturing: Opportunities and Challenges	Innovation	Short term Certificate	Dr. B. R. Ambedkar National Institute of Technology, Jalandhar	Educational Institute	20-07-2020 00:00:00	24-07-2020 00:00:00	5	Online
	Recent Advances in Material Characterization	Innovation	FDP in I&E, IPR	NITTTT, Chandigarh	Educational Institute	23-05-2020 00:00:00	28-05-2020 00:00:00	6	Online
	Digital Tools for Researchers and ICT Online Tools in Teaching	Innovation	FDP in I&E, IPR	HCAS, Coimbatore, Tamilnadu India	Educational Institute	20-07-2020 00:00:00	24-07-2020 00:00:00	5	Online
	Latest Advancements in Mechanical Engineering (LAME-2020)	Innovation	FDP in I&E, IPR	CMR college of engineering and technology	Educational Institute	13-07-2020 00:00:00	17-07-2020 00:00:00	5	Online
	Advances in Material Science and Technology	Innovation	FDP in I&E, IPR	University of Petroleum and Energy Studies, Dehradun	Educational Institute	22-06-2020 00:00:00	26-06-2020 00:00:00	5	Online
3	Mr. Lokesh Aurangabadkar	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
	Energy Engineering	Innovation	FDP in I&E, IPR	IET DAVV	Educational Institute	14-12-2020 00:00:00	18-12-2020 00:00:00	5	Online
	A Refresher Course on Refrigeration and Air Conditioning	Innovation	Short term Certificate	BITS Hyderabad	Educational Institute	16-12-2019 00:00:00	20-12-2019 00:00:00	5	Online
4	Dr. Vivek Mishra	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
	Leadership and Team Building	Entrepreneurship/Startup	MDP in I&E, IPR	MSME Indore	Govt. Agency (Central)	29-02-2020 00:00:00	03-03-2020 00:00:00	4	Offline
	Recent Advances in Material Characterization	Innovation	FDP in I&E, IPR	NITTTR, Chandigarh	Educational Institute	23-05-2020 00:00:00	28-05-2020 00:00:00	6	Online
5	Mr. Naman Gandhi	Department of Mechanical Engineering		Assitant 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
	Digital Manufacturing and Design	Innovation	Short term Certificate	The State university of New york	Educational Institute	15-06-2020 00:00:00	22-06-2020 00:00:00	8	Online
	Learning to teach online	Innovation	Short term Certificate	UNSW Sydney	Educational Institute	01-06-2020 00:00:00	14-07-2020 00:00:00	44	Online
	AI for Everyone	Innovation	Short term Certificate	Deeplearning.ai	Educational Institute	20-06-2020 00:00:00	25-06-2020 00:00:00	6	Online
	3D Printing and Design	Innovation	Short term Certificate	MANIT BHOPAL	Educational Institute	04-11-2019 00:00:00	08-11-2019 00:00:00	5	Offline
6	Mr. Amit Chouhan	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
	3D Printing and Design	Innovation	Short term Certificate	MANIT BHOPAL	Educational Institute	04-11-2019 00:00:00	08-11-2019 00:00:00	5	Offline
7	Mr. Pankaj Malviya	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
	Advanced Functional Ceramics	IPR	Short term Certificate	Younsei University	Educational Institute	25-05-2020 00:00:00	29-06-2020 00:00:00	36	Online
	Air Pollution a Global Threat to our Health	Entrepreneurship/Startup	Short term Certificate	University of COPENHAGEN	Educational Institute	20-04-2020 00:00:00	07-05-2020 00:00:00	18	Online
	Natural Attenuation of Groundwater Contaminants: New Paradigms Technologies and Applications	IPR	Short term Certificate	RICE UNIVERSITY	Educational Institute	22-04-2020 00:00:00	28-05-2020 00:00:00	37	Online
	Oil and Gas Industry Operations and Markets	Entrepreneurship/Startup	Short term Certificate	DUKE UNIVERSITY	Educational Institute	12-04-2020 00:00:00	25-04-2020 00:00:00	14	Online
	Safety in the Utility Industry	Entrepreneurship/Startup	Short term Certificate	THE STATE UNIVERSITY NEWYORK	Educational Institute	15-04-2020 00:00:00	15-05-2020 00:00:00	31	Online
	DWSIM Software Training	Innovation	Employment Generation Training Programs	Spoken Tutorial Project, IIT Bombay Funded by National Mission on Education through ICT, MHRD, Govt. of India.	Govt. Agency (Central)	01-02-2020 00:00:00	01-03-2020 00:00:00	30	Online
8	Mr. Prashant Kumbhkar	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
	Fundamentals of Fluid Solid Interaction	Entrepreneurship/Startup	Short term Certificate	École Polytechnique	Educational Institute	23-03-2020 00:00:00	23-04-2020 00:00:00	32	Online
	Municipal Solid Waste Management in Developing Countries	Innovation	Short term Certificate	EPFL	Educational Institute	28-03-2020 00:00:00	29-04-2020 00:00:00	33	Online
	Safety in the Utility Industry	Entrepreneurship/Startup	Short term Certificate	UB, Suny, The State University of New York	Educational Institute	12-04-2020 00:00:00	25-05-2020 00:00:00	44	Online
	Introduction to High-Throughput Materials Development	Innovation	Short term Certificate	Georgia Institute of Technology	Educational Institute	23-04-2020 00:00:00	01-06-2020 00:00:00	40	Online
9	Mr. Rahul Gupta	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
10	Mr. Rahul Gupta	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
11	Mr. Rahul Gupta	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
12	Mr. Rahul Gupta	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
13	Mr. Rahul Gupta	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
14	Mr. Rahul Gupta	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
15	Mr. Rahul Gupta	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
Technologies for Clean and Renewable Energy Elite Certificate	Innovation	Short term Certificate	NPTEL Online certification, Funded by MHRD, Govt. of India	Govt. Agency (Central)	01-07-2019 00:00:00	30-09-2019 00:00:00	92	Online
-	Entrepreneurship/Startup	Employment Generation Training Programs	Hindusthan College of Arts and Science, Coimbatore, Tamilnadu	Educational Institute	15-06-2020 00:00:00	19-06-2020 00:00:00	5	Online
Advancement in Science and its application in Engineering	Entrepreneurship/Startup	Employment Generation Training Programs	Department of Science and humanities, Hyderabad Institute of Technology and Management, Medchal, Hyderabad, Telangana a state of India.	Educational Institute	22-06-2020 00:00:00	26-06-2020 00:00:00	5	Online
Advancements in Manufacturing and Optimization Techniques	Entrepreneurship/Startup	Employment Generation Training Programs	Department of Mechanical Engineering and SAEINDIA, Jayamukhi Institute of Technological Science, Warangal, Telangana	Educational Institute	22-06-2020 00:00:00	26-06-2020 00:00:00	5	Online
Advanced Functional Ceramics	Entrepreneurship/Startup	Employment Generation Training Programs	Yonsei University	Educational Institute	16-04-2020 00:00:00	21-05-2020 00:00:00	36	Online

16	Mr.Rahul Bhargava	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
Mechanical Unit Operations	Innovation	Short term Certificate	NPTEL Online certification, Funded by MHRD, Govt. of India	Educational Institute	01-08-2019 00:00:00	30-09-2019 00:00:00	61	Online
Statistical Analysis in SPSS Software	Entrepreneurship/Startup	Short term Certificate	RSRI Society	Educational Institute	01-06-2020 00:00:00	06-06-2020 00:00:00	6	Online
Advancement in Science and its Applications in Engineering	Entrepreneurship/Startup	FDP in I&E, IPR	HITAM, Hyderabad	Educational Institute	22-06-2020 00:00:00	26-06-2020 00:00:00	5	Online
Data Science Math Skills	Innovation	Short term Certificate	Duke University	Educational Institute	24-04-2020 00:00:00	25-05-2020 00:00:00	32	Online

17	Ms. Farhin Khan	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

18	Ms. Farhin Khan	Department of Chemical Engineering	Assistant Professor	No	Yes
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24	Dr. Parimeeta Chanchani	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
	IIC Online Session Conducted by IIC to Promote I and E, IPR and Startups	IPR, Entrepreneurship/Startup, Innovation	Short term Certificate	IIC	Govt. Agency (Central)	28-04-2020 00:00:00	22-05-2020 00:00:00	25	Online
25	Dr. Samidha Saxena	Deaprtment of Chemistry	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
	IIC Online Session Conducted by IIC to promote I and E, IPR and Startups	IPR, Entrepreneurship/Startup, Innovation	Short term Certificate	IIC	Govt. Agency (Central)	28-04-2020 00:00:00	22-05-2020 00:00:00	25	Online
26	Dr. Namrata Kaushal	Department of Mathematics	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
	IIC Online Session conducted by IIC to promote I and E, IPR and Startups	IPR, Entrepreneurship/Startup, Innovation	Short term Certificate	IIC	Govt. Agency (Central)	28-04-2020 00:00:00	22-05-2020 00:00:00	25	Online
27	Dr. Jyoti Gupta	Deaprtment 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
	IIC Online Session Conducted by IIC to Promote I and E, IPR and Startups	IPR, Entrepreneurship/Startup, Innovation	Short term Certificate	IIC	Govt. Agency (Central)	28-04-2020 00:00:00	22-05-2020 00:00:00	25	Online
28	Arpita Tiwari	Electronics and Communication	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
	Innovative research methodologies for challenging problems of future in Science, Technology, Engineering and Management	Innovation	Short term Certificate	IIST Indore	Educational Institute	05-06-2020 00:00:00	07-06-2020 00:00:00	3	Online
29	Neha Choudhary	Electronics and Communication	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
30	Neha Choudhary	Electronics and Communication	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
	Artificial Intelligence and Machine learning techniques	Innovation	FDP in I&E, IPR	GGITS Jabalpur	Educational Institute	21-05-2020 00:00:00	25-05-2020 00:00:00	5	Online
Machine Learning and its practice approach	Innovation	FDP in I&E, IPR	Geetanjali institute of technical studies,Udaipur	Educational Institute	11-06-2020 00:00:00	13-06-2020 00:00:00	3	Online	

31	Rupesh Dutta	Electronics and Communication	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
	Innovative research methodologies for challenging problems of future in Science, Technology, Engineering and Management (STEM)	Innovation	Short term Certificate	IIST Indore	Educational Institute	05-06-2020 00:00:00	07-06-2020 00:00:00	3	Online
	Data Sciences	Innovation	FDP in I&E, IPR	K.E. Society's Rajarambapu Institute Of Technology Rajaramnagar	Educational Institute	16-09-2020 00:00:00	20-09-2020 00:00:00	5	Online
Emerging Technologies (IOT, Robotics and UAV)	Innovation	FDP in I&E, IPR	CDAC	Educational Institute	12-10-2020 00:00:00	16-10-2020 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	Drone Club	Innovation Club	2019	Co-working Space	Incubation Unit	1	Abhay Singh Lodhi	abhay.lodhi@indoreinsstitute.com	9111451723

**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	ENTREPRENEURSHIP DEVELOPMENT CELL	EDC	2019	Co-working Space	Incubation Unit	Incubation Unit	<table border="1"> <tr> <td>Facility Incharge Name</td> <td>Prof Puneet Duggal</td> </tr> <tr> <td>Facility Incharge Email</td> <td>puneet.duggal@indoreinsstitute.com</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>9893186681</td> </tr> </table>	Facility Incharge Name	Prof Puneet Duggal	Facility Incharge Email	puneet.duggal@indoreinsstitute.com	Facility Incharge Phone	9893186681	3	Yes	No	No
Facility Incharge Name	Prof Puneet Duggal																
Facility Incharge Email	puneet.duggal@indoreinsstitute.com																
Facility Incharge Phone	9893186681																

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

<b>No Data Filled!</b>
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**List the Incubation Facilities at the HEI (>= 1500 Sq. Ft. Floor Area)**

Srno	Name of Incubation	Year of	Incubation with	Name of the	Facility Details	Total Nos of	Had the Incubation Facility	Had institute Generated Income	Had institute spent expenses
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**List the Incubation Facilities at the HEI (>= 1500 Sq. Ft. Floor Area)**

	Facility	Establishment	Access to Other I&E Facilities at the HEI	Funding Schemes Available with Incubation Unit, if any (Optional)		Dedicated Executive/Management team Strength Engaged at the Facility	Provided any Funding Support for Idea/Prototype/Innovation Development and implementation during the Financial Year 2019-20?	either from Services Offered by Incubation Centre/Facilities?	either from own resource/received fund towards Establishment/Operation of Incubation Centre/Facilities?						
1	CARE (Center for Application and Research in Engineering)	2018	Pre-Incubation		<table border="1"> <tr> <td>Facility Incharge Name</td> <td>Dr. Dheerendra Vikram Singh</td> </tr> <tr> <td>Facility Incharge Email</td> <td>dheerendra.v.singh@indoreinstitute.com</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>9827215156</td> </tr> </table>	Facility Incharge Name	Dr. Dheerendra Vikram Singh	Facility Incharge Email	dheerendra.v.singh@indoreinstitute.com	Facility Incharge Phone	9827215156	3	Yes	No	No
Facility Incharge Name	Dr. Dheerendra Vikram Singh														
Facility Incharge Email	dheerendra.v.singh@indoreinstitute.com														
Facility Incharge Phone	9827215156														

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

No Data Filled!

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

No Data Filled!

**Provide detail list of Faculties as Mentor to help Ideas/Innovations/Startups**

No Data Filled!

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

No Data Filled!

**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	Brahman	Product Innovation	Technological		Student	TRL 2 : Technology formulation. Concept and application have been formulated.	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype).	Innovation Development Completed	<table border="1"> <tr> <td>Agency Name</td> <td>MHRD, MHRDs Innovation cell, AICTE</td> </tr> <tr> <td>Agency Type</td> <td>Educational Institute</td> </tr> <tr> <td>Award / Position / Recognition Secured</td> <td>1st Rank in Smart India Hackathon</td> </tr> </table>	Agency Name	MHRD, MHRDs Innovation cell, AICTE	Agency Type	Educational Institute	Award / Position / Recognition Secured	1st Rank in Smart India Hackathon	No	<table border="1"> <tr> <td>Grant Amount in Rs</td> <td>24000</td> </tr> </table>	Grant Amount in Rs	24000	No	No		
Agency Name	MHRD, MHRDs Innovation cell, AICTE																						
Agency Type	Educational Institute																						
Award / Position / Recognition Secured	1st Rank in Smart India Hackathon																						
Grant Amount in Rs	24000																						
<table border="1"> <thead> <tr> <th>Name</th> <th>Type</th> <th>Gender</th> <th>Email</th> <th>Contact</th> </tr> </thead> <tbody> <tr> <td>Sanskar Shrivastava</td> <td>Student</td> <td>Male</td> <td>sanskar.shrivastavacs2018@indoreinstitute.com</td> <td>8503937916</td> </tr> </tbody> </table>														Name	Type	Gender	Email	Contact	Sanskar Shrivastava	Student	Male	sanskar.shrivastavacs2018@indoreinstitute.com	8503937916
Name	Type	Gender	Email	Contact																			
Sanskar Shrivastava	Student	Male	sanskar.shrivastavacs2018@indoreinstitute.com	8503937916																			
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Name	Type	Gender	Email	Contact																			



Arcon. Your Health Adviser	Product Innovation	Technological		Student	TRL 2 : Technological formulation. Concept and application have been formulated .	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype).	Innovation Development Ongoing	Agency Name MH RD ; MH RD s Innovation cell , AI CT E	No	Grant Amount in Rs 24 00 0	No	No	
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Name	Type	Gender	Email	Contact	Name	Email
Aaveg Gupta	Student	Male	aaveggupta.work@gmail.com	9318459553		

3	Financial Alert System	Process Innovation	Technological		Student	TRL 2 : Technological formulation. Concept and application have been formulated .	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype).	Innovation Development Completed	No	No	Grant Amount in Rs 11 00 0	No	No
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Name	Type	Gender	Email	Contact
Akshay Lalwani	Student	Male	aklalwani100@gmail.com	9826352063

Name	Type	Gender	Email	Contact

4

Cloud based freelancing service	Service Innovation	Technological		Student	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	No	No	No	
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Name	Type	Gender	Email	Contact
Pawan Goyal	Student	Male	puneet.duggal@indoreinstitute.com	8120558105

Name  
Email

5	Saloon Aggregator	Service Innovation	Technological		Student	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	No	No	No
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Name	Type	Gender	Email	Contact
Deepak Sharma	Student	Male	deepaksharma17898@gmail.com	7987409855

Name	Type	Gender	Email	Contact									
Flat Rental Service	Service Innovation	Technological		Student	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	No	No	No	6
Vipul Singh Jaiswar	Student	Male	vipul05sep1999@gmail.com	9131542056									

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

No Data Filled!

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

No Data Filled!

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

No Data Filled!

**List the IP (Patents only) Filed by the HEI as Applicant / Co-applicant / Co-owner**

**No Data Filled!**

**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**

**No Data Filled!**

## Declaration

To,  
The ARIIA Committee  
MHRD's Innovation Cell  
New Delhi

### Joint Declaration by the Head of the Institute and Nodal Officer

Dear Sir,

Herewith, myself Dr. Keshav Patidar (Head of Institute) and Mr. Ankit Jain (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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Dr. Keshav Patidar  
Head of the Institution,  
Indore, Madhya Pradesh

Nodal officer



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Mr. Ankit Jain  
Nodal Officer,  
Indore, Madhya Pradesh