



ARIIA

ATAL RANKING OF INSTITUTIONS ON INNOVATION ACHIEVEMENTS



MoE
Ministry of Education
Government of India

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

Institute Name: Indian Institute of Information Technology Allahabad [ARI-U-0516]

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

Srno	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)
1	Computer Vision and Biometrics Lab	Research Unit / Park	Computer Vision, Image Processing and Biometrics	UG / PG / PhD	Technical	30	3	10
2	Deep Learning Laboratory	Research Unit / Park	Machine Learning Optimization, Deep Learning, Signal & Image Processing, Information Security, Cyber Security	At all level	Technical	30	3	5
3	Center for Cognitive Computing	Academic Department with lab facility	Cognitive Computing, Natural Language Processing	UG / PG / PhD	Technical	15	5	2
4	Department of Information Technology	Academic Department with lab facility	Big Data	UG / PG / PhD	Technical	50	3	1
5	Advanced Image and Data Science Lab	Research Unit / Park	Image Analysis	UG / PG / PhD	Technical	18	1	0
6	Mobile and Wireless Networking Lab	Research Unit / Park	Wireless Communications, Signal processing and sensor networks	UG / PG / PhD	Technical	25	3	2
7	Design Innovation Centre	Research Unit / Park	Internet of Things, Robotics, Drones, Embedded Systems, Sensors	UG / PG / PhD	Technical	50	6	2
8	Department of Electronics and Communication Engineering	Academic Department with lab facility	Microelectronics, Signal Processing, Microwave Engineering, Wireless Communication, Photonics, Instrumentation & Control	UG / PG / PhD	Technical	490	14	7
9	Department of Management Studies	Academic Department with lab facility	HR, Marketing, Finance, IT, Operations	UG / PG / PhD	Non-Technical	57	10	21
10	Center of Intelligent Robotics	Centre of Excellence with Advance Tools & Equipment	Machine Learning and Deep Learning applications for Robot intelligence.	UG / PG / PhD	Technical	50	6	0

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

11	Department of Applied Science	Academic Department with lab facility	Bioinformatics, Biomedical Engineering, Nanotechnology, Stem Cell Research, Drug Designing, Quantum Physics, Thermodynamics, Material Science, BioMems	UG / PG / PhD	Technical	40	17	34
12	Intellectual Property Rights Cell	IPR Cell / Patent Facilitation Unit / Technology Transfer Centre	Filing of Patents, Copyrights, Trade/Service mark , Industrial Design Patents and its protection.	At all level	Both	50	2	2
13	Central Computing Facility	Centre of Excellence with Advance Tools & Equipment	Computational R & D activities.	UG / PG / PhD	Technical	2500	5	1
14	NewGen IEDC Center	Pre-incubation unit	Information Technology, Electronics	At all level	Technical	65	2	0
15	IIITA Info Communication Incubation Centre	Incubation Unit	All	At all level	Technical	25	1	0

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 : IC201810239
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

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

1	Workshop on Arduino Jam	Innovation	Workshop	Institute Lead Activity	Electronics and Communication Engineering	02-11-2019 00:00:00	02-11-2019 00:00:00	1	Within Campus	80	1	0	0	81	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	11200	Award / Position / Recognition Secured	Best Student Award
																	Title of Innovation / Start-up Secured the Award / Recognition	Best Student Award
																	Award/Recognition/Achievement Received for	
2	Open CV workshop	Innovation	Workshop	Institute Lead Activity	Electronics and Communication Engineering	01-02-2020 00:00:00	02-02-2020 00:00:00	2	Within Campus	30	1	0	0	31	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	125348	No	
3	Product hackathon	Innovation	Hackathon	Institute Lead Activity	Electronics and Communication Engineering	09-02-2020 00:00:00	10-02-2020 00:00:00	2	Within Campus	100	1	0	0	101	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	180000	Award / Position / Recognition Secured	Best Team Award
																	Title of Innovation / Start-up Secured the Award / Recognition	Best Team Award
																	Award/Recognition/Achievement Received for	
4	DIC Spoke Meet	Innovation	Exhibition	Institute Lead Activity	Electronics and Communication Engineering	07-02-2020 00:00:00	07-02-2020 00:00:00	1	Outside Campus	25	1	375	10	411	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	90000	No	
5	Advancement in wireless communication	Innovation	Workshop	Institute Lead Activity	Electronics and Communication Engineering	27-09-2019 00:00:00	29-09-2019 00:00:00	3	Within Campus	80	2	0	0	82	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	76000	No	

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

6	Prototype 2.0 hackathon	Innovation	Hackathon	Institute Lead Activity	Electronics and Communication Engineering	11-10-2019 00:00:00	13-10-2019 00:00:00	3	Within Campus	100	1	0	0	101	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	40000	Award / Position / Recognition Secured	Best Team Award	
																	Title of Innovation / Start-up Secured the Award / Recognition	Best Team Award	
																	Award/Recognition/Achievement Received for		
7	Workshop on Intellectual Property Rights (IPRs) 2019	Innovation	Workshop	Institute Lead Activity	IPR CELL and MyCrave Consultancy	17-09-2019 00:00:00	18-09-2019 00:00:00	2	Within Campus	150	0	0	0	150	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	10000	No		
8	Interactive Sessions with Teun Mentzel, PUM Netherlands	Entrepreneurship/Startup	Mentoring Session	Institute Lead Activity	NewGen IEDC Centre	21-10-2019 00:00:00	30-10-2019 00:00:00	10	Within Campus	30	2	0	0	32	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	26100	No		
9	NewGen IEDC Hack	Innovation	Hackathon	Institute Lead Activity	Student Lead Activity	30-08-2019 00:00:00	31-08-2019 00:00:00	2	Within Campus	120	3	0	0	123	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	33555	Award / Position / Recognition Secured	Top 3 prizes	
																		Title of Innovation / Start-up Secured the Award / Recognition	Home Automation
																		Award/Recognition/Achievement Received for	
10	Project Demonstration	Entrepreneurship/Startup	Demo Day	Institute Lead Activity	NewGen IEDC Centre	09-05-2019 00:00:00	09-05-2019 00:00:00	1	Within Campus	60	5	0	0	65	No		No		
11	Techtour	Innovation	Workshop	Student Lead Activity	Gymkhana, IITA	10-02-2020 00:00:00	17-02-2020 00:00:00	8	Within Campus	150	0	100	0	250	No		No		

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

12	CodeRed	Innovation	Innovation Contest	Student Lead Activity	Gymkhana, IIITA	11-03-2020 00:00:00	15-03-2020 00:00:00	5	Within Campus	600	0	400	0	1000	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	75000	Award / Position / Recognition Secured	First
																Title of Innovation / Start-up Secured the Award / Recognition	NTT(Kyoto University Japan)	
																Award/Recognition/Achievement Received for	Idea/Innovation/Prototype	
13	Code Queen	Innovation	Innovation Contest	Student Lead Activity	Gymkhana, IIITA	16-03-2020 00:00:00	17-03-2020 00:00:00	2	Within Campus	160	0	90	0	250	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	20000	No	
14	C Fresh	Innovation	Innovation Contest	Student Lead Activity	Gymkhana, IIITA	26-03-2020 00:00:00	27-03-2020 00:00:00	2	Within Campus	300	0	0	0	300	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	30000	No	
15	She Hacks	Innovation	Hackathon	Student Lead Activity	Gymkhana, IIITA	12-03-2020 00:00:00	14-03-2020 00:00:00	3	Within Campus	300	0	100	0	400	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	50000	Award / Position / Recognition Secured	1st
																Title of Innovation / Start-up Secured the Award / Recognition	The Quinns (VIT Vellore)	
																Award/Recognition/Achievement Received for	Idea/Innovation/Prototype	

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

16	Open Code	Innovation	Hackathon	Student Lead Activity	Gymkhana, IIITA	10-03-2020 00:00:00	25-03-2020 00:00:00	16	Within Campus	300	0	0	0	300	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	10000	Award / Position / Recognition Secured	1st
																Title of Innovation / Start-up Secured the Award / Recognition	Shreyas Gupta	
																Award/Recognition/Achievement Received for	Idea/Innovation/Prototype	
17	Pro Arduino Event	Innovation	Innovation Contest	Student Lead Activity	Gymkhana, IIITA	27-03-2020 00:00:00	27-03-2020 00:00:00	1	Within Campus	150	0	40	0	190	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	9000	No	
18	Robowar	Innovation	Hackathon	Student Lead Activity	Gymkhana, IIITA	27-03-2020 00:00:00	28-03-2020 00:00:00	2	Within Campus	30	0	20	0	50	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	25000	No	

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

No Data Filled!

Section 2 > i : List the Academic Programs on Innovation, IPR and Entrepreneurship Development Offered During the Academic Period (2019-20)

No Data Filled!

Section 2 > ii : List the Employment Generation Skill Development Programs Organized by the HEI on Innovation, IPR and Entrepreneurship Development During the Academic Period (2019-20)

No Data Filled!

Section 2 > iii : 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)

No Data Filled!

Section 3 > i : 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	e-Cell	Startup Club	2017	Co-working Space	Pre-Incubation Unit	15	Rayan Kejriwal	iiic@iiita.ac.in	9461873955

Section 3 > ii > a : 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	NewGen IEDC Centre at IIIT Allahabad	New Gen IEDC	2018	Co-working Space	Incubation Unit, Innovation Labs, IPR Cell/Technology Transfer Centre, Student Clubs	Incubation Unit, Innovation Labs, IPR Cell/Technology Transfer Centre, Student Clubs	<table border="1"> <tr> <td>Facility Incharge Name</td> <td>Dr. Ranjana Vyas</td> </tr> <tr> <td>Facility Incharge Email</td> <td>ranjana@iiita.ac.in</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>05322922271</td> </tr> </table>	Facility Incharge Name	Dr. Ranjana Vyas	Facility Incharge Email	ranjana@iiita.ac.in	Facility Incharge Phone	05322922271	2	Yes	No	Yes
Facility Incharge Name	Dr. Ranjana Vyas																
Facility Incharge Email	ranjana@iiita.ac.in																
Facility Incharge Phone	05322922271																
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			NewGen IEDC				Govt. Agency (Central)		6000000								

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

No Data Filled!

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

Srno	Name of Incubation Facility	Year of Establishment	Incubation with Access to Other I&E Facilities at the HEI	Name of the Funding Schemes Available with Incubation Unit, if any (Optional)	Facility Details	Total Nos of Dedicated Executive/Management team Strength Engaged at the Facility	Had the Incubation Facility Provided any Funding Support for Idea/Prototype/Innovation Development and implementation during the Financial Year 2019-20?	Had institute Generated Income either from Services Offered by Incubation Centre/Facilities?	Had institute spent expenses either from own resource/received fund towards Establishment/Operation of Incubation Centre/Facilities?
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Section 3 > ii > c : List the Incubation Facilities at the HEI (>= 1500 Sq. Ft. Floor Area)

1	IIITA Info Communication Incubation Centre	2008	Innovation Labs, IPR Cell/Technology Transfer Centre, Student Clubs	NIL	<table border="1"> <tr> <td>Facility Incharge Name</td> <td>Dr. Rahul Kala</td> </tr> <tr> <td>Facility Incharge Email</td> <td>rkala@iiita.ac.in</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>05322 92211 7</td> </tr> </table>	Facility Incharge Name	Dr. Rahul Kala	Facility Incharge Email	rkala@iiita.ac.in	Facility Incharge Phone	05322 92211 7	1	No	No	No
Facility Incharge Name	Dr. Rahul Kala														
Facility Incharge Email	rkala@iiita.ac.in														
Facility Incharge Phone	05322 92211 7														

Section 3 > ii > d : List the Innovation Park/Research Park Facilities at the HEI (>= 5000 Sq. Ft. Floor Area)

No Data Filled!

Section 3 > ii > e : List the IPR Cell/Technology Transfer Centre Facilities at the HEI

No Data Filled!

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

No Data Filled!

Section 3 > iii > b : Provide detail list of External Experts/Agencies engaged as Mentor to help Ideas/Innovations/Startups

No Data Filled!

Section 4 : 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 pre-incubation/incubation support and the services offered by Pre-incubation/incubation or institute during the financial period 2019
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1	Real time control of a vehicular robot using EEG signals	Product Innovation	Technological	DIC SPOKE	Student-Faculty	TRL 4 : Small scale prototype built in a laboratory environment ("ugly prototype).	TRL 4 : Small scale prototype built in a laboratory environment ("ugly prototype).	Innovation Development Completed	No	No	Grant Amount in Rs 25000	No	No
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Name	Type	Gender	Email	Contact
Dr. Suneel Yadav	Faculty	Male	suneel@iiita.ac.in	05322922096

Name	Type	Gender	Email	Contact
Prof. U.S. Tiwary	Faculty	Male	ust@iiita.ac.in	05322922096
Prof. U.S. Tiwary	Faculty	Male	ust@iiita.ac.in	05322922096

2	Drone for smart agriculture	Product Innovation	Technological	DIC SPOKE	Student-Faculty	TRL 7 : Demonstration system operating in operational environment at pre-commercial scale.	TRL 7 : Demonstration system operating in operational environment at pre-commercial scale.	Innovation Development Completed	Agency Name FA C Global	Agency Type International Agencies	Award / Position / Recognition Secured Finalist	No	Grant Amount in Rs 250000	No	No
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Name	Type	Gender	Email	Contact
Dr. Suneel Yadav	Faculty	Male	suneel@iiita.ac.in	05322922096

Name	Type	Gender	Email	Contact
Mr. Paawan Kumar	Student	Male	-	-

3	Communication between devices in absence of cellular signal (Portena)	Product Innovation	Technological	DIC SPOKE	Student-Faculty	TRL 4 : Small scale prototype built in a laboratory environment ("ugly prototype).	TRL 4 : Small scale prototype built in a laboratory environment ("ugly prototype).	Innovation Development Completed	No	No	Grant Amount in Rs 8000	No	No
Name		Type			Gender		Email			Contact			
Dr. Suneel Yadav		Faculty			Male		suneel@iita.ac.in			05322922096			
Name		Type			Gender		Email			Contact			
Prof. U.S. Tiwary		Faculty			Male		ust@iita.ac.in			05322922096			
4	Networking between water and air- Enabling Wireless Communication from underwater to air	Product Innovation	Technological	DIC SPOKE	Student-Faculty	TRL 4 : Small scale prototype built in a laboratory environment ("ugly prototype).	TRL 4 : Small scale prototype built in a laboratory environment ("ugly prototype).	Innovation Development Completed	No	No	Grant Amount in Rs 20000	No	No
Name		Type			Gender		Email			Contact			
Dr. Neetesh Purohit		Faculty			Male		np@iita.ac.in			05322922236			
5	Smart farming	Product Innovation	Technological	DIC SPOKE	Student-Faculty	TRL 4 : Small scale prototype built in a laboratory environment ("ugly prototype).	TRL 4 : Small scale prototype built in a laboratory environment ("ugly prototype).	Innovation Development Completed	No	No	Grant Amount in Rs 7000	No	No
Name		Type			Gender		Email			Contact			
Dr. Suneel Yadav		Faculty			Male		suneel@iita.ac.in			05322922096			

6	Irritating Ultrasound Generator Module Using Arduino to Prevent Animal Vehicle Collision	Product Innovation	Technological	DIC SPOKE	Student-Faculty	TRL 4 : Small scale prototype built in a laboratory environment ("ugly prototype).	TRL 4 : Small scale prototype built in a laboratory environment ("ugly prototype).	Innovation Development Completed	No	No	Grant Amount in Rs 16000	No	No
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Name	Type	Gender	Email	Contact
Dr. Pooja Mishra	Faculty	Female	pooja@iita.ac.in	05322922536

7	Safety Autonomous Module (S.A.M)	Product Innovation	Technological	DIC SPOKE	Student-Faculty	TRL 4 : Small scale prototype built in a laboratory environment ("ugly prototype).	TRL 4 : Small scale prototype built in a laboratory environment ("ugly prototype).	Innovation Development Completed	No	No	Grant Amount in Rs 15000	No	No
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Name	Type	Gender	Email	Contact
Dr. Suneel Yadav	Faculty	Male	suneel@iita.ac.in	05322922096

8	Self-Balancing Robot	Product Innovation	Technological	DIC SPOKE	Student-Faculty	TRL 4 : Small scale prototype built in a laboratory environment ("ugly prototype).	TRL 4 : Small scale prototype built in a laboratory environment ("ugly prototype).	Innovation Development Completed	No	No	Grant Amount in Rs 7000	No	No
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Name	Type	Gender	Email	Contact
Dr. Suneel Yadav	Faculty	Male	suneel@iita.ac.in	05322922096

9	Machine Learning based Spectrum Detection for Cognitive Radio	Product Innovation	Technological	DIC SPOKE	Student-Faculty	TRL 4 : Small scale prototype built in a laboratory environment ("ugly prototype).	TRL 4 : Small scale prototype built in a laboratory environment ("ugly prototype).	Innovation Development Completed	No	No	No	No	No
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Name	Type	Gender	Email	Contact
Dr. Suneel Yadav	Faculty	Male	suneel@iiita.ac.in	05322922096

10	Real Implementation Of SISO, SIMO, MISO, and MIMO Technologies on C700 SDR	Product Innovation	Technological	DIC SPOKE	Student-Faculty	TRL 4 : Small scale prototype built in a laboratory environment ("ugly prototype).	TRL 4 : Small scale prototype built in a laboratory environment ("ugly prototype).	Innovation Development Completed	No	No	No	No	No
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Name	Type	Gender	Email	Contact
Dr. Suneel Yadav	Faculty	Male	suneel@iiita.ac.in	05322922096

11	Development of Low Temperature Operated Ammonia Sensor	Product Innovation	Technological	DIC SPOKE	Student-Faculty	TRL 4 : Small scale prototype built in a laboratory environment ("ugly prototype).	TRL 4 : Small scale prototype built in a laboratory environment ("ugly prototype).	Innovation Development Completed	No	No	50000	No	No
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Name	Type	Gender	Email	Contact
Dr. Sunny Sharma	Faculty	Male	sunny@iiita.ac.in	05322922527

12	Automatic Henna Writing Machine	Product Innovation	Technological	DIC SPOKE	Student-Faculty	TRL 4 : Small scale prototype built in a laboratory environment ("ugly prototype).	TRL 4 : Small scale prototype built in a laboratory environment ("ugly prototype).	Innovation Development Completed	No	No	Grant Amount in Rs 25000	No	No
Name		Type			Gender		Email			Contact			
Dr. Sunny Sharma		Faculty			Male		sunny@iiita.ac.in			05322922527			
13	Reader System for Blind	Product Innovation	Technological	DIC SPOKE	Student-Faculty	TRL 4 : Small scale prototype built in a laboratory environment ("ugly prototype).	TRL 4 : Small scale prototype built in a laboratory environment ("ugly prototype).	Innovation Development Completed	No	No	Grant Amount in Rs 5000	No	No
Name		Type			Gender		Email			Contact			
Dr. Suneel Yadav		Faculty			Male		suneel@iiita.ac.in			05322922096			
14	Automated Waste Segregator	Product Innovation	Technological	DIC SPOKE	Student-Faculty	TRL 4 : Small scale prototype built in a laboratory environment ("ugly prototype).	TRL 4 : Small scale prototype built in a laboratory environment ("ugly prototype).	Innovation Development Completed	No	No	Grant Amount in Rs 12000	No	No
Name		Type			Gender		Email			Contact			
Dr. Suneel Yadav		Faculty			Male		suneel@iiita.ac.in			05322922096			

15	Data Transmission using Modulation Techniques in Li Fi Technology	Product Innovation	Technological	DIC SPOKE	Student-Faculty	TRL 4 : Small scale prototype built in a laboratory environment ("ugly prototype).	TRL 4 : Small scale prototype built in a laboratory environment ("ugly prototype).	Innovation Development Completed	No	No	Grant Amount in Rs 5000	No	No
Name		Type			Gender		Email			Contact			
Dr. Suneel Yadav		Faculty			Male		suneel@iita.ac.in			05322922096			
16	Design of Ground Penetrating Radar for hidden object detection	Product Innovation	Technological	DIC SPOKE	Student-Faculty	TRL 4 : Small scale prototype built in a laboratory environment ("ugly prototype).	TRL 4 : Small scale prototype built in a laboratory environment ("ugly prototype).	Innovation Development Completed	No	No	Grant Amount in Rs 35000	No	No
Name		Type			Gender		Email			Contact			
Dr. Pooja Mishra		Faculty			Female		pooja@iita.ac.in			05322922536			
17	Development of an improved EVM with Fair Vote Counting Algorithm	Product Innovation	Technological	DIC SPOKE	Student-Faculty	TRL 4 : Small scale prototype built in a laboratory environment ("ugly prototype).	TRL 4 : Small scale prototype built in a laboratory environment ("ugly prototype).	Innovation Development Completed	No	No	Grant Amount in Rs 5000	No	No
Name		Type			Gender		Email			Contact			
Dr. Neetesh Purohit		Faculty			Male		np@iita.ac.in			05322922236			

18	Color Based Object Sorting Machine for Small Candies (Gems)	Product Innovation	Technological	DIC SPOKE	Student-Faculty	TRL 4 : Small scale prototype built in a laboratory environment ("ugly prototype).	TRL 4 : Small scale prototype built in a laboratory environment ("ugly prototype).	Innovation Development Completed	No	No	Grant Amount in Rs 7000	No	No
Name		Type			Gender		Email			Contact			
Dr. Rekha Verma		Faculty			Female		r.verma@iita.ac.in			05322922415			
19	Integration and Testing of e nose like Device to Mimic the Human Olfactory Systems	Product Innovation	Technological	DIC SPOKE	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 100000	No	No
Name		Type			Gender		Email			Contact			
Dr. Pritish Varadwaj		Faculty			Male		prish@iita.ac.in			05322922219			
20	Smart Toll Gate System	Product Innovation	Technological	DIC SPOKE	Student-Faculty	TRL 4 : Small scale prototype built in a laboratory environment ("ugly prototype).	TRL 4 : Small scale prototype built in a laboratory environment ("ugly prototype).	Innovation Development Completed	No	No	Grant Amount in Rs 30000	No	No
Name		Type			Gender		Email			Contact			
Dr. Suneel Yadav		Faculty			Male		suneel@iita.ac.in			05322922096			

21	Development of an Improved EVM and Fair Voting with Biometric Authentication	Product Innovation	Technological	DIC SPOKE	Student-Faculty	TRL 4 : Small scale prototype built in a laboratory environment ("ugly prototype).	TRL 4 : Small scale prototype built in a laboratory environment ("ugly prototype).	Innovation Development Completed	No	No	Grant Amount in Rs 10000	No	No
Name		Type			Gender		Email			Contact			
Dr. Neetesh Purohit		Faculty			Male		np@iita.ac.in			05322922236			
22	Frequency Reconfigurable Antenna	Product Innovation	Technological	DIC SPOKE	Student-Faculty	TRL 4 : Small scale prototype built in a laboratory environment ("ugly prototype).	TRL 4 : Small scale prototype built in a laboratory environment ("ugly prototype).	Innovation Development Completed	No	No	Grant Amount in Rs 15000	No	No
Name		Type			Gender		Email			Contact			
Dr. Pooja Mishra		Faculty			Female		pooja@iita.ac.in			05322922536			
23	Design of Ground Penetrating Radar on UAV	Product Innovation	Technological	DIC SPOKE	Student-Faculty	TRL 4 : Small scale prototype built in a laboratory environment ("ugly prototype).	TRL 4 : Small scale prototype built in a laboratory environment ("ugly prototype).	Innovation Development Completed	No	No	Grant Amount in Rs 25000	No	No
Name		Type			Gender		Email			Contact			
Dr. Pooja Mishra		Faculty			Female		pooja@iita.ac.in			05322922536			

24	Smart Pet Feeding System Using IoT	Product Innovation	Technological	DIC SPOKE	Student-Faculty	TRL 4 : Small scale prototype built in a laboratory environment ("ugly prototype).	TRL 4 : Small scale prototype built in a laboratory environment ("ugly prototype).	Innovation Development Completed	No	No	Grant Amount in Rs 5000	No	No
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Name	Type	Gender	Email	Contact
Dr. Pooja Mishra	Faculty	Female	pooja@iita.ac.in	05322922536

25	Directional Loudspeaker	Product Innovation	Technological	DIC SPOKE	Student-Faculty	TRL 4 : Small scale prototype built in a laboratory environment ("ugly prototype).	TRL 4 : Small scale prototype built in a laboratory environment ("ugly prototype).	Innovation Development Completed	No	No	Grant Amount in Rs 5000	No	No
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Name	Type	Gender	Email	Contact
Dr. Neetesh Purohit	Faculty	Male	np@iita.ac.in	05322922236

26	System level improvement in GPR	Product Innovation	Technological	DIC SPOKE	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 20000	No	No
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Name	Type	Gender	Email	Contact
Dr. Pooja Mishra	Faculty	Female	pooja@iita.ac.in	05322922536

27	Development of Through the wall imaging radar	Product Innovation	Technological	DIC SPOKE	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 55000	No	No
Name		Type			Gender		Email			Contact			
Dr. Pooja Mishra		Faculty			Female		pooja@iita.ac.in			05322922536			
28	Development of robotic arm	Product Innovation	Technological	DIC SPOKE	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 2000	No	No
Name		Type			Gender		Email			Contact			
Dr. Pooja Mishra		Faculty			Female		pooja@iita.ac.in			05322922536			
29	Smart Surveillance of Shipping and Courier Services	Product Innovation	Technological	DIC SPOKE	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 10000	No	No
Name		Type			Gender		Email			Contact			
Dr. Suneel Yadav		Faculty			Male		suneel@iita.ac.in			05322922096			

30	Speaker Recognition System	Product Innovation	Technological	DIC SPOKE	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 5000	No	No
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Name	Type	Gender	Email	Contact
Dr. Suneel Yadav	Faculty	Male	suneel@iita.ac.in	05322922096

31	Smart Surveillance Vehicle	Product Innovation	Technological	DIC SPOKE	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 25000	No	No
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Name	Type	Gender	Email	Contact
Dr. Suneel Yadav	Faculty	Male	suneel@iita.ac.in	05322922096

32	Remote Controlled Electric Cart	Product Innovation	Technological	DIC SPOKE	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 60000	No	No
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Name	Type	Gender	Email	Contact
Dr. Suneel Yadav	Faculty	Male	suneel@iita.ac.in	05322922096

33	Smart Navigation using Augmented Reality	Product Innovation	Technological	DIC SPOKE	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 25000	No	No
Name		Type			Gender		Email			Contact			
Dr. Suneel Yadav		Faculty			Male		suneel@iita.ac.in			05322922096			
34	Smart Ashoka Krishi Yantra	Product Innovation	Technological	DIC SPOKE	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 10000	No	No
Name		Type			Gender		Email			Contact			
Dr. Neetesh Purohit		Faculty			Male		np@iita.ac.in			05322922236			
35	Healthcare application to read and order from a doctor's prescription	Service Innovation	Technological	NewGen IEDC	Student	TRL 0 : Idea. Unproven concept, no testing has been performed.	TRL 3 : Applied research. First laboratory tests completed; proof of concept.	Innovation Development Completed	Agency Name Smart India Hackathon	Agency Type Govt. Agency (Central)	Award / Position / Recognition Secured First Prize	No	No
Name		Type			Gender		Email			Contact			
Grant Amount in Rs 27648													

Name		Type		Gender		Email		Contact				
Dr. Rahul Kala		Faculty		Male		rkala@iita.ac.in		05322922117				
Name		Type		Gender		Email		Contact				
Shreyansh Dwivedi		Student		Male		iwm2016501@iita.ac.in		-				
36	Cynthesize, a web portal for proposing, guiding, mentoring, and advertising projects, driven by a community	Service Innovation	Technological	Student-Faculty	TRL 0 : Idea. Unproven concept, no testing has been performed.	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype).	Innovation Development Completed	No	No	Grant Amount in Rs 7621	No	No
Name		Type		Gender		Email		Contact				
Dr. Rahul Kala		Faculty		Male		rkala@iita.ac.in		05322922117				
Name		Type		Gender		Email		Contact				
Siddhant		Student		Male		-		-				
37	IoT based Smart Street Lighting System, Light automatically adjusts its intensity as per background for energy savings	Product Innovation	Technological	Student-Faculty	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	TRL 6 : Prototype system tested in intended environment close to expected performance.	Innovation Development Completed	No	No	Grant Amount in Rs 109002	No	No
Name		Type		Gender		Email		Contact				
Dr. Bibhas Ghoshal		Faculty		Male		bibhas.ghoshal@iita.ac.in		05322922419				
Name		Type		Gender		Email		Contact				
Rahul Gaurav		Student		Male		-		-				

38	A Portable Corona-Discharge System with Custom Made Electrodes for PDMS Hydrophilic treatment and Bonding for Microfluidic Chip Fabrication and Cost Effective Micro Impedance Pump For Potential Application in the Micro-fluidics & Bio-Medical Domain, A device with medical applications	Product Innovation	Technological		Student-Faculty	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	TRL 6 : Prototype system tested in intended environment close to expected performance.	Innovation Development Ongoing	No	No	Grant Amount in Rs 97799	No	No
Name		Type			Gender		Email			Contact			
Dr. Amit Prabhakar		Faculty			Male		amit@iita.ac.in			05322922516			
Name		Type			Gender		Email			Contact			
Amar Dhvaj		Student			Male		-			-			
39	Advanced Bio-3D printers and Multi domain 3D Printing Services	Product Innovation	Technological		Student-Faculty	TRL 0 : Idea. Unproven concept, no testing has been performed.	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype).	Innovation Adopted and Implemented at Ground	No	No	Grant Amount in Rs 49288	No	No
Name		Type			Gender		Email			Contact			
Dr. Amit Prabhakar		Faculty			Male		amit@iita.ac.in			05322922516			
Name		Type			Gender		Email			Contact			
Prashant Nayak		Student			Male		-			-			

40	Women Safety Ring, Ring can be triggered in case of emergencies	Product Innovation	Technological		Student	TRL 0 : Idea. Unproven concept, no testing has been performed.	TRL 3 : Applied research. First laboratory tests completed; proof of concept.	Innovation Development Ongoing	No	No	Grant Amount in Rs 46849	No	No
Name		Type			Gender		Email		Contact				
Dr. Suneel Yadav		Faculty			Male		suneel@iita.ac.in		05322922096				
Name		Type			Gender		Email		Contact				
Ms. Anshul Agarwal		Student			Female		-		-				
41	OGO – The place for bikes and e-bikes, Engineering an e-bike and giving rental services at tourist places	Product Innovation	Technological		Student	TRL 0 : Idea. Unproven concept, no testing has been performed.	TRL 4 : Small scale prototype built in a laboratory environment ("ugly prototype).	Innovation Development Ongoing	No	No	Grant Amount in Rs 69873	No	No
Name		Type			Gender		Email		Contact				
Dr. Amit Prabhakar		Faculty			Male		amit@iita.ac.in		05322922516				
Name		Type			Gender		Email		Contact				
Vijay Nayak		Student			Male		-		-				
42	An Alexa controlled smart surveillance robot, Service robot that is affordable for homes	Product Innovation	Technological		Student-Faculty	TRL 0 : Idea. Unproven concept, no testing has been performed.	TRL 2 : Technology formulation. Concept and application have been formulated.	Innovation Development Ongoing	No	No	Grant Amount in Rs 28907	No	No

Name		Type		Gender		Email		Contact				
Prof. G.C. Nandi		Faculty		Male		gcnandi@iiita.ac.in		05322922102				
Name		Type		Gender		Email		Contact				
Aditya Singh		Student		Male		-		-				
43	Safest Route, Get the safest route to commute within cities based on mined historic police records.	Service Innovation	Technological	Student	TRL 0 : Idea. Unproven concept, no testing has been performed.	TRL 2 : Technology formulation. Concept and application have been formulated.	Innovation Development Ongoing	No	No	Grant Amount in Rs 30958	No	No
Name		Type		Gender		Email		Contact				
Dr. Ranjana Vyas		Faculty		Female		ranjana@iiita.ac.in		05322922271				
Name		Type		Gender		Email		Contact				
Md. Nawaz		Student		Male		-		-				
44	SCAB (Sharing-Cab), Share a cab with your friends only to commute between common places in a city	Service Innovation	Technological	Student	TRL 0 : Idea. Unproven concept, no testing has been performed.	TRL 3 : Applied research. First laboratory tests completed; proof of concept.	Innovation Development Ongoing	No	No	Grant Amount in Rs 28907	No	No
Name		Type		Gender		Email		Contact				
Dr. Rahul Kala		Faculty		Male		rkala@iiita.ac.in		05322922117				
Name		Type		Gender		Email		Contact				
Ritik Harchani		Student		Male		-		-				

45	Advanced Energy efficient Home Automation, Smart home that saves energy	Product Innovation	Technological		Student	TRL 0 : Idea. Unproven concept, no testing has been performed.	TRL 3 : Applied research. First laboratory tests completed; proof of concept.	Innovation Development Ongoing	No	No	Grant Amount in Rs 48500	No	No
Name		Type			Gender		Email		Contact				
Dr. Rahul Kala		Faculty			Male		rkala@iiita.ac.in		05322922117				
Name		Type			Gender		Email		Contact				
Anurag Kumar		Student			Male		-		-				
46	AmuseBag, Personalized gifting which is actually of high value for the recipient	Service Innovation	Technological		Student	TRL 0 : Idea. Unproven concept, no testing has been performed.	TRL 6 : Prototype system tested in intended environment close to expected performance.	Innovation Adopted and Implemented at Ground	No	No	Grant Amount in Rs 28907	No	No
Name		Type			Gender		Email		Contact				
Dr. Rahul Kala		Faculty			Male		rkala@iiita.ac.in		05322922117				
Name		Type			Gender		Email		Contact				
Manthan Surkar		Student			Male		-		-				

1	IBT ROOMS PRIVATE LIMITED	Service Innovation	Non-Technological	5780	Alumni	Venture with Corporate Identification Number (CIN) Registration	U74999UP2018PTC101614	2017-18	Received Incubation Support from Incubation Unit	No	Grant Amount in Rs	1500000	No	No	No	
Name		DIN number			Type		Gender		Email		Contact					
Rajat Jaiswal		07691837			Alumni Entrepreneur		Male		anshujai25@gmail.com		05322922117					
2	DROERO DY PRIVATE LIMITED	Product Innovation	Technological	5780	Student	Venture with Corporate Identification Number (CIN) Registration	U74994DL2018PTC340896	2018-19	Received Incubation Support from Incubation Unit	No	Grant Amount in Rs	500000	No	No	No	
Name		DIN number			Type		Gender		Email		Contact					
Shefali Ramteke		08262742			Student		Female		rss2019003@iita.ac.in		05322922117					
3	ZRATH TECHNOLOGY PRIVATE LIMITED	Service Innovation	Technological	5780	Student	Venture with Corporate Identification Number (CIN) Registration	U72900HR2018PTC076025	2018-19	Received Incubation Support from Incubation Unit	No	Grant Amount in Rs	500000	No	No	No	
Name		DIN number			Type		Gender		Email		Contact					
SOMVEER SHARMA		08238224			Student		Male		iit2015009@iita.ac.in		05322922117					
4	ANTRAX LABS PRIVATE LIMITED	Product Innovation	Technological	5780	Student	Venture with Corporate Identification Number (CIN) Registration	U74990UP2018PTC109691	2018-19	Received Incubation Support from Incubation Unit	No	Grant Amount in Rs	500000	No	No	No	
Name		DIN number			Type		Gender		Email		Contact					
ARQUM AHMAD		08266210			Student		Male		arqumahmad@gmail.com		05322922117					
5	SYNAPSO PRIVATE LIMITED	Product Innovation	Technological	5780	Student	Venture with Corporate Identification Number (CIN) Registration	U33300DL2018PTC343014	2018-19	Received Incubation Support from Incubation Unit	No	Grant Amount in Rs	200000	No	No	No	
Name		DIN number			Type		Gender		Email		Contact					
Pankaj Kumar		08050031			Student		Male		ibm2013008@iita.ac.in		05322922117					
6	SOCIAL VAIDYA MEDICAL PRIVATE LIMITED	Service Innovation	Technological	5780	Student	Venture with Corporate Identification Number (CIN) Registration	U74999BR2017PTC035625	2017-18	Received Incubation Support from Incubation Unit	No	No	No	No	No	No	

Name	DIN number	Type	Gender	Email	Contact
DEEPAK KUMAR SAH	07910025	Student	Male	deepak@socialvaidya.com	05322922117

Section 7 > i : 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
1	PUM Netherlands	International Agencies	Providing (or) Receiving Incubation/Pre-Incubation Support Services to Innovators/Startups	Pre-incubation	13	10-07-2019

Section 8 > ii : List the IPs Filed/Published/Granted (Copyright & Designs Only) by the HEI as an Applicant / Co-applicant / Co-owner

No Data Filled!

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

Srno	Title/Name of Patent	IP Registration Number	Date of Filed/Published (Year, Month)	Application Level	Copy of receipt / application screenshot [PDF or Image]
1	APPARATUSES AND METHODS FOR SEPARATION OF SUSPENDED PARTICLES PRESENT IN LIQUID	201911019244	National	2019 - 05	Uploaded
2	MICRO IMPEDANCE PUMP	201911039486	National	2019 - 09	Uploaded