



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: BABARIA INSTITUTE OF TECHNOLOGY [ARI-C-417]

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	Civil Engineering	Academic Department with lab facility	Civil Engineering	UG / PG / PhD	Technical	475	41	10
2	Mechanical Eninering	Academic Department with lab facility	Mechanical Engineering	UG / PG / PhD	Technical	703	47	11
3	Electrical Engineering	Academic Department with lab facility	Electrical Engineering	UG / PG / PhD	Technical	329	29	10
4	Computer Science Engineering	Academic Department with lab facility	Computer Science & Engineering	UG / PG / PhD	Technical	891	41	11
5	Electronics and Communication Engineering	Academic Department with lab facility	Electronics and Communication	UG / PG / PhD	Technical	114	38	10

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 : IC201811561
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	No	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	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?
------	-----------------------------	---------------	--------------	------------------	---	--------------------	------------------	----------------------------	------------------	---------------------------------	---------------------------------	---------------------------------	---------------------------------	------------------------------	---	--

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

Section 1 > i : Details of Co-curricular events/programs related to Innovation, IPR and Entrepreneurship/Start-up Conducted by the HEI																							
					Name																		
1	3 Days Workshop On "INNOVATIONS AND ADVANCES FOR SUSTAINABLE CIVIL ENGINEERING	Innovation	Workshop	Institute Lead Activity	Civil Engineering Department Babaria Institute of Technology Sponsored by GUJCOST	20-06-2019 00:00:00	22-06-2019 00:00:00	3	Within Campus	100	39	18	2	159	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	22193	No						
2	"Innovation - A Step for Betterment" Hackthon organized by Babaria Institute of Technology	Innovation	Hackathon	Institute Lead Activity	Babaria Institute of Technology	17-08-2019 00:00:00	18-08-2019 00:00:00	2	Within Campus	20	4	99	25	148	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	4530	<table border="1"> <tr> <td>Award / Position / Recognition Secured</td> <td>1</td> </tr> <tr> <td>Title of Innovation / Start-up Secured the Award / Recognition</td> <td>Student Friendly ERP System for Posting Video Lectures notes</td> </tr> <tr> <td>Award/Recognition/Achievement Received for</td> <td>Idea/Innovation/Prototype</td> </tr> </table>	Award / Position / Recognition Secured	1	Title of Innovation / Start-up Secured the Award / Recognition	Student Friendly ERP System for Posting Video Lectures notes	Award/Recognition/Achievement Received for	Idea/Innovation/Prototype
Award / Position / Recognition Secured	1																						
Title of Innovation / Start-up Secured the Award / Recognition	Student Friendly ERP System for Posting Video Lectures notes																						
Award/Recognition/Achievement Received for	Idea/Innovation/Prototype																						
3	Webinar for Information of DIC Course	Entrepreneurship/Startup	Seminar	Institute Lead Activity	Babaria Institute of Technology	28-01-2020 00:00:00	28-01-2020 00:00:00	1	Within Campus	35	20	25	10	90	No	No							
4	GTU Start-up Demo Day	Entrepreneurship/Startup	Demo Day	Institute Lead Activity	Babaria Institute of Technology and SSIP	14-09-2019 00:00:00	14-09-2019 00:00:00	1	Within Campus	120	55	40	10	225	No	No							
5	Start-up Talk on AR-VR, by Sanket Kale CEO & Co Founder – Trium Designs (Alumni – CSE Dept, BIT)	Entrepreneurship/Startup	Motivational speak	Institute Lead Activity	Babaria Institute of Technology	25-01-2020 00:00:00	25-01-2020 00:00:00	1	Within Campus	80	32	20	15	147	No	No							

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

6	Start-up Talk on e-Bicycles by Mr. Vivek Page Owner – Pedo Electra Bicycles (Alumni – EE Dept, BIT)	Entrepreneurship/Startup	Motivational speak	Institute Lead Activity	Babaria Institute of Technology	18-01-2020 00:00:00	18-01-2020 00:00:00	1	Within Campus	85	25	48	21	179	No	No						
7	Exhibits 2019	Innovation	Exhibition	Institute Lead Activity	Babaria Institute of Technology	06-04-2019 00:00:00	06-04-2019 00:00:00	1	Within Campus	720	125	0	10	855	No	<table border="1"> <tr> <td>Award / Position / Recognition Secured</td> <td>1st</td> </tr> <tr> <td>Title of Innovation / Start-up Secured the Award / Recognition</td> <td>Hybrid 2 Wheeler ICE</td> </tr> <tr> <td>Award/Recognition/Achievement Received for</td> <td>Idea/Innovation/Prototype</td> </tr> </table>	Award / Position / Recognition Secured	1st	Title of Innovation / Start-up Secured the Award / Recognition	Hybrid 2 Wheeler ICE	Award/Recognition/Achievement Received for	Idea/Innovation/Prototype
Award / Position / Recognition Secured	1st																					
Title of Innovation / Start-up Secured the Award / Recognition	Hybrid 2 Wheeler ICE																					
Award/Recognition/Achievement Received for	Idea/Innovation/Prototype																					

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)

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	Desing Engineering 1A	Innovation	Elective/Core Credit Course	Credit Course (Compulsory)	Civil Engineering	17-07-2019	16-10-2019	92	Offline	69	45
2	Design Engineering 1-B	Innovation	Elective/Core Credit Course	Credit Course (Compulsory)	Civil Engineering	12-12-2019	14-04-2020	125	Offline	67	45
3	Desing Engineering 2A	Innovation	Elective/Core Credit Course	Credit Course (Compulsory)	Civil Engineering	17-07-2019	16-10-2019	92	Offline	137	45
4	Design Engineering 2B	Innovation	Elective/Core Credit Course	Credit Course (Compulsory)	Civil Engineering	12-12-2019	14-04-2020	125	Offline	135	45
5	Design Engineering 1A	Innovation	Elective/Core Credit Course	Credit Course (Compulsory)	Mechanical Engineering	17-07-2019	16-10-2019	92	Offline	136	45
6	Design Engineering 1B	Innovation	Elective/Core Credit Course	Credit Course (Compulsory)	Mechanical Engineering	12-12-2019	14-04-2020	125	Offline	136	45
7	Design Engineering 2A	Innovation	Elective/Core Credit Course	Credit Course (Compulsory)	Mechanical Engineering	17-07-2019	16-10-2019	92	Offline	207	45

8	Design Engineering 2B	Innovation	Elective/Core Credit Course	Credit Course (Compulsory)	Mechanical Engineering	12-12-2019	14-04-2020	125	Offline	208	45
9	Design Engineering 1A	Innovation	Elective/Core Credit Course	Credit Course (Compulsory)	Electronics and Communication	17-07-2019	16-10-2019	92	Offline	17	45
10	Design Engineering 1B	Innovation	Elective/Core Credit Course	Credit Course (Compulsory)	Electronics and Communication	12-12-2019	14-04-2020	125	Offline	17	45
11	Design Engineering 2A	Innovation	Elective/Core Credit Course	Credit Course (Compulsory)	Electronics and Communication	17-07-2019	16-10-2019	92	Offline	21	45
12	Design Engineering 2B	Innovation	Short term Course	Credit Course (Compulsory)	Electronics and Communication	12-12-2019	14-04-2020	125	Offline	23	45
13	Design Engineering 1B	Innovation	Elective/Core Credit Course	Credit Course (Compulsory)	Computer Science Engineering	12-12-2019	14-04-2020	125	Offline	200	45
14	Design Engineering 2B	Innovation	Elective/Core Credit Course	Credit Course (Compulsory)	Computer Science Engineering	12-12-2019	14-04-2020	125	Offline	210	45
15	Design Engineering 1A	Innovation	Elective/Core Credit Course	Credit Course (Compulsory)	Computer Science Engineering	17-07-2019	16-10-2019	92	Offline	210	45
16	Design Engineering 2A	Innovation	Elective/Core Credit Course	Credit Course (Compulsory)	Computer Science Engineering	17-07-2019	16-10-2019	92	Offline	208	45
17	Design Engineering 1A	Innovation	Elective/Core Credit Course	Credit Course (Compulsory)	Electrical Engineering	17-07-2019	16-10-2019	92	Offline	49	45
18	Design Engineering 1B	Innovation	Elective/Core Credit Course	Credit Course (Compulsory)	Electrical Engineering	12-12-2019	14-04-2020	125	Offline	50	45
19	Design Engineering 2A	Innovation	Elective/Core Credit Course	Credit Course (Compulsory)	Electrical Engineering	17-07-2019	16-10-2019	92	Offline	89	45
20	Design Engineering 2B	Innovation	Elective/Core Credit Course	Credit Course (Compulsory)	Electrical Engineering	12-12-2019	14-04-2020	125	Offline	90	45

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)

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. Santosh G Shah	Civil 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

2	CHIRAG R SINDHAV	CIVIL 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)
3	Dr. Sachin Daxini	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)

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	CENTRE FOR ENTREPRENEURSHIP TECHNOLOGY INCUBATION AND BUSINESS ACCELERATOR (CETIBA)	Innovation Club	2019	Co-working Space	Pre-Incubation Unit, Incubation Unit, Innovation Labs, IPR Cell/Technology Transfer Centre	1	YASH ASHISH JOSHI	yjoshi744@gmail.com	9904437768
2	Fabrication Laboratory (FABLAB)	Innovation Club	2019	Co-working Space	Pre-Incubation Unit	1	YASH ASHISH JOSHI	yjoshi744@gmail.com	9904437768

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	BITS INNOVATION CENTRE	Innovation Centre	2019	Co-working Space	Incubation Unit	Incubation Unit	<table border="1"> <tr> <td>Facility Incharge Name</td> <td>DR. SANT OSH G SHAH</td> </tr> <tr> <td>Facility Incharge Email</td> <td>DIRINNOVATION@BITS.EDUC.AMPU.S.A.C.IN</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>9586300999</td> </tr> </table>	Facility Incharge Name	DR. SANT OSH G SHAH	Facility Incharge Email	DIRINNOVATION@BITS.EDUC.AMPU.S.A.C.IN	Facility Incharge Phone	9586300999	15	Yes	No	Yes
Facility Incharge Name	DR. SANT OSH G SHAH																
Facility Incharge Email	DIRINNOVATION@BITS.EDUC.AMPU.S.A.C.IN																
Facility Incharge Phone	9586300999																

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)

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	STUDENTS STARTUP AND INNOVATION POLICY	Govt. Agency (State)	100000
Institute's Own Fund / Resource	BABARIA INSTITUTE OF TECHNOLOGY, BITS EDU CAMPUS	Educational Institute	100000

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)

No Data Filled!

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

Srno	Name of the Faculty	Designation of the Faculty	Mentor Expert Area	Years of Experience in Mentorship (In Years)
1	Dr. Santosh G Shah	Professor	Idea/Innovation Development, Entrepreneurship/Startup Development	5
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	ENCAPSULATED SELF HEALING CONCRETE		Within	
DEVELOPMENT OF MIX DESIGN FOR PRINTABLE CONCRETE		Within		
2	Dr. Prachi Pandey	Associate Professor	IPR Protection & Commercialization	4
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	Elastic vesicles containing corticosteroid as carrier for topical delivery in Psoriasis		Within	
3	Dr. pritesh mankad	Head of the Department	Idea/Innovation Development	5
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	Efficient Battery management system Electric Vehicles		Within	
4	Dr. Sachin Daxini	Associate Professor	Idea/Innovation Development	4

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

		Name of Idea/Innovation/ Startup Mentored	Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
		Design and development of mechanism for producing holes on cylindrical components by plasma CNC Machine	Within	
5	Dr. Avani Vasant	Head of the Department	Idea/Innovation Development	5
			Name of Idea/Innovation/ Startup Mentored	Mentoring Setup [Within (or) Outside] HEI
		Vision Walk	Within	
6	Dr. Dattesh Joshi	Associate Professor	Idea/Innovation Development	5
			Name of Idea/Innovation/ Startup Mentored	Mentoring Setup [Within (or) Outside] HEI
		Smart Monitoring System to Control electricity theft	Within	

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 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	Design and Development of mechanism for producing holes on cylindrical components by plasma CNC Machine	Product Innovation	Technological	SSIP	Student-Faculty	TRL 0 : Idea. Unproven concept, no testing has been performed.	TRL 0 : Idea. Unproven concept, no testing has been performed.	Innovation Development Completed	Agency Name	Student Startup and Innovation Policy	No	12000	No	No	
									Agency Type	Govt. Agency (Central)					
									Award / Position / Recognition Secured	12000 Rs Grant					
												Grant Amount in Rs	12000		

Name	Type	Gender	Email	Contact
Bhargav J. Patel	Student	Male	pbhargav366@gmail.com	9428256315

Name	Type	Gender	Email	Contact
Dr. Sachin Daxini	Faculty	Male	sachindaxini.me@bitseducampus.ac.in	9712849593

2	3D Concrete Printer	Product Innovation	Technological	SSIP	Student-Faculty	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	TRL 2 : Technology formulation. Concept and application have been formulated.	Innovation Development Completed	Agency Name	Student Startup and Innovation Policy	No	12000	No	No	
									Agency Type	Govt. Agency (Central)					
									Award / Position / Recognition Secured	12000 Rs					
												Grant Amount in Rs	12000		

Name	Type	Gender	Email	Contact
Huzaif Shaikh	Student	Male	huzaifshaikh1979@gmail.com	9624747868

Name	Type	Gender	Email	Contact
Mehul Shah	Faculty	Male	mehulshah.me@bitseducampus.ac.in	9574648444

3	Combine concentrated solar power and photovoltaic cell through parabolic trough	Product Innovation	Technological	SSIP	Student-Faculty	TRL 0 : Idea. Unproven concept, no testing has been performed.	TRL 2 : Technology formulation . Concept and application have been formulated.	Innovation Development Completed	Agency Name	Student Startup and Innovation Policy	No	Grant Amount in Rs	12000	No	No
									Agency Type	Govt. Agency (Central)					
									Award / Position / Recognition Secured	12000 Rs					

Name	Type	Gender	Email	Contact
Ajesh Rajendran	Student	Male	ajeshrajendran3942@gmail.com	7874226698

Name	Type	Gender	Email	Contact
Darshak Shah	Faculty	Male	sachindaxini.me@bitseducampus.ac.in	9712849593

4	Cheery Tones	Product Innovation	Technological	SSIP	Student-Faculty	TRL 0 : Idea. Unproven concept, no testing has been performed.	TRL 2 : Technology formulation . Concept and application have been formulated.	Innovation Development Completed	Agency Name	Student Startup and Innovation Policy	No	12000	No	No
									Agency Type	Govt. Agency (Central)				
									Award / Position / Recognition Secured	12000 Rs				
												Grant Amount in Rs		

Name	Type	Gender	Email	Contact
Khushboo Patel	Student	Female	khushboopatel233@gmail.com	8141107252

Name	Type	Gender	Email	Contact
Dr.Avani R. Vasant	Faculty	Female	avanivasant.ce@bitseducampus.ac.in	9825696193

5	Keyboard Anywhere	Product Innovation	Technological	SSIP	Student-Faculty	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	Student Startup and Innovation Policy	No	11000	No	No
									Agency Type	Govt. Agency (Central)				
									Award / Position / Recognition Secured	11,000 Rs.				
												Grant Amount in Rs		

Name	Type	Gender	Email	Contact
Shah Mahima	Student	Female	mahima1601198@gmail.com	9925495886

Name	Type	Gender	Email	Contact
Prof. Jekishan K.Parmar	Faculty	Male	jekishanparmar.ce@bitseducampus.ac.in	9426773463

6	Quaddrop	Product Innovation	Technological	SSIP	Student-Faculty	TRL 0 : Idea. Unproven concept, no testing has been performed.	TRL 2 : Technology formulation . Concept and application have been formulated.	Innovation Development Completed	Agency Name	Student Startup and Innovation Policy	No	Grant Amount in Rs	11265	No	No
									Agency Type	Govt. Agency (Central)					
									Award / Position / Recognition Secured	11,265 Rs.					

Name	Type	Gender	Email	Contact
Ninad Choksi	Student	Male	choksininad@gmail.com	7984169504

Name	Type	Gender	Email	Contact
Prof. Shweta N.Rajput	Faculty	Female	shwetarajput.ce@bitseducampus.ac.in	9879209842

7	Vision Walk	Product Innovation	Technological	SSIP	Student-Faculty	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	Student Startup and Innovation Policy	No	8360	No	No
									Agency Type	Govt. Agency (Central)		Grant Amount in Rs		
									Award / Position / Recognition Secured	8360 Rs.				

Name	Type	Gender	Email	Contact
Shashank Verma	Student	Male	shashank6341@gmail.com	8460711857

Name	Type	Gender	Email	Contact
Dr.Avani R. Vasant	Faculty	Female	avanivasant.ce@bitseducampus.ac.in	9825696193

8	Differential Protection of Transformer using Arduino	Product Innovation	Technological	SSIP	Student-Faculty	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	Student Startup and Innovation Policy	No	12000	No	No
									Agency Type	Govt. Agency (Central)		Grant Amount in Rs		
									Award / Position / Recognition Secured	12000 Rs.				

Name	Type	Gender	Email	Contact
Rahul Mandal	Student	Male	rahulmandal29121997@gmail.com	9979334870

Name	Type	Gender	Email	Contact
Dr. R. K. Yadav	Faculty	Male	ravindradyadav.ee@bitseducampus.ac.in	9824797492

9

Car Accident Detection and Rescue Reporting System	Product Innovation	Technological	SSIP	Student-Faculty	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	Student Startup and Innovation Policy	No	8020	No	No
								Agency Type	Govt. Agency (Central)		Grant Amount in Rs		
								Award / Position / Recognition Secured	8020 Rs				

Name	Type	Gender	Email	Contact
Chauhan Ishan	Student	Male	chavanishan5@gmail.com	9724913034

Name	Type	Gender	Email	Contact
Dr. Pritesh Mankad	Faculty	Male	priteshmankad.ee@bitseducampus.ac.in	9327958127

10	Encapsulated Self healing concrete	Product Innovation	Technological	SOIC	Student-Faculty	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	Agency Name	Student Open Innovation Challenge	No	67000	No	No
									Agency Type	Govt. Agency (Central)		Grant Amount in Rs		
									Award / Position / Recognition Secured	67000 Rs				

Name	Type	Gender	Email	Contact
Jay Chapaneriya	Student	Male	jay98.in@gmail.com	9033700705

Name	Type	Gender	Email	Contact
Dr Santosh G. Shah	Faculty	Male	dirinnovation@bitseducampus.ac.in	9586300999

11	Design and Development of mechanism for producing holes on cylindrical components by plasma CNC Machine	Product Innovation	Technological	SOIC	Student-Faculty	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype).	Innovation Development Completed	Agency Name	Student Open Innovation Challenge SSP	No	56000	No	No
									Agency Type	Govt. Agency (State)		Grant Amount in Rs		
									Award / Position / Recognition Secured	56000				

Name	Type	Gender	Email	Contact
Bhargav J. Patel	Student	Male	pbhargav366@gmail.com	9428256315

Name	Type	Gender	Email	Contact
Dr Sachin Daxini	Faculty	Male	sachindaxini.me@bitseducampus.ac.in	9712849593

12	Smart Monitoring System to control electricity theft	Product Innovation	Technological	SSIP	Student-Faculty	TRL 0 : Idea. Unproven concept, no testing has been performed.	TRL 2 : Technology formulation . Concept and application have been formulated.	Innovation Development Completed	Agency Name	Student Startup and Innovation Policy	No	Grant Amount in Rs	11000	No	No
									Agency Type	Govt. Agency (Central)					
									Award / Position / Recognition Secured	11000 Rs					

Name	Type	Gender	Email	Contact
Salke Parth	Student	Male	parthsalke185@gmail.com	9408251942

Name	Type	Gender	Email	Contact
Dr. Dattesh Joshi	Faculty	Male	datteshjoshi.ee@bitseducampus.ac.in	9904981945

13	Self Driving Robot	Product Innovation	Technological	SSIP	Student-Faculty	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	Student Startup and Innovation Policy	No	11000	No	No
									Agency Type	Govt. Agency (Central)		Grant Amount in Rs		
									Award / Position / Recognition Secured	11000 Rs				

Name	Type	Gender	Email	Contact
Thanki Mansi	Student	Female	mansithanki16@gmail.com	9904351375

Name	Type	Gender	Email	Contact
Mr. Sagar Patel	Faculty	Male	sagarpatel.ee@bitseducampus.ac.in	9510706630

14	Comparative study of geocell for pavement subbase	Product Innovation	Technological	SSIP	Student-Faculty	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	Student Startup and Innovation Policy	No	11000	No	No
									Agency Type	Govt. Agency (Central)		Grant Amount in Rs		
									Award / Position / Recognition Secured	11000 Rs				

Name	Type	Gender	Email	Contact
Dhruvit Rao	Student	Male	dhrumitrao09@gmail.com	9016250252

Name	Type	Gender	Email	Contact
Nirali Hasilkar	Faculty	Female	niralihasilkar.cv@bitseducampus.ac.in	9662905828

15	Development of mix design for printable concrete	Product Innovation	Technological	SSIP	Student-Faculty	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	Student Startup and Innovation Policy	No	Grant Amount in Rs	11000	No	No
									Agency Type	Govt. Agency (Central)					
									Award / Position / Recognition Secured	11000 Rs					

Name	Type	Gender	Email	Contact
Vishal G. Shah	Student	Male	vishaljb26@gmail.com	7405879950

Name	Type	Gender	Email	Contact
Dr Santosh Shah	Faculty	Male	dirinnovation@bitseducampus.ac.in	9586300999

16	Encapsulated Self healing concrete	Product Innovation	Technological	SSIP	Student-Faculty	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	Student Startup and Innovation Policy	No	11000	No	No
									Agency Type	Govt. Agency (Central)		Grant Amount in Rs		
									Award / Position / Recognition Secured	11000 Rs				

Name	Type	Gender	Email	Contact
Jay Chapaneriya	Student	Male	jay98.in@gmail.com	9033700705

Name	Type	Gender	Email	Contact
Dr Santosh G. Shah	Faculty	Male	dirinnovation@bitseducampus.ac.in	9586300999

17	Comparative Study on wicking and ebb flow hydroponics system	Product Innovation	Technological	SSIP	Student-Faculty	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	Student Startup and Innovation Policy	No	11000	No	No
									Agency Type	Govt. Agency (Central)		Grant Amount in Rs		
									Award / Position / Recognition Secured	11000 Rs				

Name	Type	Gender	Email	Contact
Sameer Alam	Student	Male	sameeralam004567@gmail.com	9537940238

Name	Type	Gender	Email	Contact
Ruchibala Parmar	Faculty	Female	ruchibalaparmar.cv@bitseducampus.ac.in	7016126379

18	Development of public transportation system by demonstrating e-bicycle sharing concept for smart cities	Product Innovation	Technological	SSIP	Student-Faculty	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	Student Startup and Innovation Policy	No	11000	Grant Amount in Rs	No	No
									Agency Type	Govt. Agency (Central)					
									Award / Position / Recognition Secured	11000 Rs					

Name	Type	Gender	Email	Contact
Nandagavi Abhilash	Student	Male	abhilashjain401@gmail.com	7048245034

Name	Type	Gender	Email	Contact
Dr Santosh Shah	Faculty	Male	dirinnovation@bitseducampus.ac.in	9586300999

19	Development of Smart glove for deaf, dumb and blind person	Product Innovation	Technological	SSIP	Student-Faculty	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	Student Startup and Innovation Policy	No	10500	No	No
									Agency Type	Govt. Agency (Central)		Grant Amount in Rs		
									Award / Position / Recognition Secured	10500 Rs				

Name	Type	Gender	Email	Contact
Chirag Parashar	Student	Male	chiragparashar1998@gmail.com	9173699710

Name	Type	Gender	Email	Contact
Dr. Twinkle Doshi	Faculty	Female	twinkledoshi.ec@bitseducampus.ac.in	9510214424

20	Armonoid	Product Innovation	Technological	SSIP	Student-Faculty	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	Student Startup and Innovation Policy	No	10500	No	No
									Agency Type	Govt. Agency (Central)		Grant Amount in Rs		
									Award / Position / Recognition Secured	10500 Rs				

Name	Type	Gender	Email	Contact
Patel Margi	Student	Female	margipatel12111@gmail.com	9427433523

Name	Type	Gender	Email	Contact
Prof. S. Suganthi	Faculty	Female	suganthi.ec@bitseducampus.ac.in	9974621419

21	Voice Controlled Home Automation	Product Innovation	Technological	SSIP	Student-Faculty	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	Student Startup and Innovation Policy	No	3355	No	No
									Agency Type	Govt. Agency (Central)		Grant Amount in Rs		
									Award / Position / Recognition Secured	3355				

Name	Type	Gender	Email	Contact
Ritik Priyanshu	Student	Male	ritikpriyanshu1999@gmail.com	8319671548

Name	Type	Gender	Email	Contact
Mansi Rastogi	Faculty	Female	mansirastogi.ec@bitseducampus.ac.in	9979572831

22	Development of Smart glove for deaf, dumb and blind person	Product Innovation	Technological	SOIC	Student-Faculty	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype).	Innovation Development Completed	<table border="1"> <tr> <td>Agency Name</td> <td>STUDENT OPEN INNOVATION CHALLENGE SSIP</td> </tr> <tr> <td>Agency Type</td> <td>Govt. Agency (State)</td> </tr> <tr> <td>Award / Position / Recognition Secured</td> <td>20000</td> </tr> </table>	Agency Name	STUDENT OPEN INNOVATION CHALLENGE SSIP	Agency Type	Govt. Agency (State)	Award / Position / Recognition Secured	20000	No	<table border="1"> <tr> <td>Grant Amount in Rs</td> <td>20000</td> </tr> </table>	Grant Amount in Rs	20000	No	No
Agency Name	STUDENT OPEN INNOVATION CHALLENGE SSIP																				
Agency Type	Govt. Agency (State)																				
Award / Position / Recognition Secured	20000																				
Grant Amount in Rs	20000																				

Name	Type	Gender	Email	Contact
CHIRAG	Student	Male	chiragparashar1998@gmail.com	9173699710

Name	Type	Gender	Email	Contact
Dr. Twinkle Doshi	Faculty	Female	twinkledoshi.ec@bitseducampus.ac.in	9510214424

23	AGNEYATRA - THE SAVIOR	Product Innovation	Technological	SOIC	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	Agency Name	STUDENT OPEN INNOVATION CHALLENGESSIP	No	15000	No	No
									Agency Type	Govt. Agency (State)		Grant Amount in Rs		
									Award / Position / Recognition Secured	15000				

Name	Type	Gender	Email	Contact
SIDDHARTH JANI	Student	Male	SIDDHARTHJANI14@GMAIL.COM	9737949615

Name	Type	Gender	Email	Contact
DR. HETAL PATHAK	Faculty	Female	HETALPATHAK.EC@BITSEUCAMPUS.AC.IN	9427983952

Section 5 : 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/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 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 Startup 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	PEDO ELECTRA	Product Innovation	Technological	7612	Alumni	<table border="1"> <tr> <td>Venture with MSME Registration No</td> <td>GJ24A0035803</td> </tr> <tr> <td>Venture with GST No</td> <td>24CZJPP0809E1ZJ</td> </tr> </table>	Venture with MSME Registration No	GJ24A0035803	Venture with GST No	24CZJPP0809E1ZJ	2019-20	Received Incubation Support from Incubation Unit	No	No	No	No	No								
Venture with MSME Registration No	GJ24A0035803																								
Venture with GST No	24CZJPP0809E1ZJ																								
					<table border="1"> <thead> <tr> <th>Name</th> <th>DIN number</th> <th>Type</th> <th>Gender</th> <th>Email</th> <th>Contact</th> </tr> </thead> <tbody> <tr> <td>VIVEK PAGE</td> <td>NA</td> <td>Alumni Entrepreneur</td> <td>Male</td> <td>vivek@pedobikes.in</td> <td>8460365804</td> </tr> </tbody> </table>		Name	DIN number	Type	Gender	Email	Contact	VIVEK PAGE	NA	Alumni Entrepreneur	Male	vivek@pedobikes.in	8460365804							
Name	DIN number	Type	Gender	Email	Contact																				
VIVEK PAGE	NA	Alumni Entrepreneur	Male	vivek@pedobikes.in	8460365804																				

Section 7 > i : List all the Collaborations with External Agencies and Co-Creation of I&E Activities by the HEI

No Data Filled!

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	AN APPARATUS FOR VISUALLY IMPAIRED TO OBJECT RECOGNITION	201921043411	National	2019 - 10	NA

Section 8 > v : List the IPs hold by the Innovation teams/Startups Incubated at the Pre-incubation/incubation Unit of the HEI

No Data Filled!

Section 8 > vi : 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

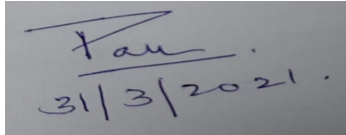
Joint Declaration by the Head of the Institute and Nodal Officer

Dear Sir,

Herewith, myself Dr. Pallavi Agarwal (Head of Institute) and Dr. Santosh G Shah (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

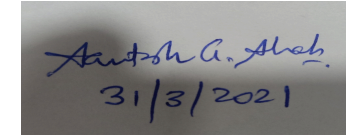
The Head of Institute



Pau.
31/3/2021.

Dr. Pallavi Agarwal
Head of the Institution,
Vadodara, Gujarat

Nodal officer



Santosh G. Shah.
31/3/2021

Dr. Santosh G Shah
Nodal Officer,
Vadodara, Gujarat