



ARIIA

ATL 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: Sir M Visvesvaraya Institute of Technology, BANGALORE [ARI-C-1327]

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	Department of Computer science and Engineering	Academic Department with lab facility	Computer Science	UG / PG / PhD	Technical	434	24	5
2	Department of Information science and Engineering	Academic Department with lab facility	Information science	UG / PG / PhD	Technical	209	9	4
3	Department of Electronics and Communication Engineering	Academic Department with lab facility	Electronics and Communication	UG / PG / PhD	Technical	400	23	6
4	Department of Electronics and Telecommunication Engineering	Academic Department with lab facility	Electronics and Telecommunication	UG / PG / PhD	Technical	157	9	3
5	Department Electrical and Electronics Engineering	Academic Department with lab facility	Electrical engineering	UG / PG / PhD	Technical	351	23	4
6	Department of Bio-Technology	Academic Department with lab facility	Bio-Technology	UG / PG / PhD	Technical	126	12	5
7	Department of Civil Engineering	Academic Department with lab facility	Civil Engineering	UG / PG / PhD	Technical	160	11	5
8	Department of Mechanical Engineering	Academic Department with lab facility	Mechanical Engineering	UG / PG / PhD	Technical	327	31	11
9	Department of Mathematics	Academic Department with lab facility	Mathematics	UG / PG / PhD	Non-Technical	674	9	0
10	Department of Physics	Academic Department with lab facility	Physics	UG / PG / PhD	Non-Technical	674	6	2
11	Department of Chemistry	Academic Department with lab facility	Chemistry	UG / PG / PhD	Non-Technical	674	5	3
12	Department of Masters of Computer Application	Academic Department with lab facility	Computer Application	UG / PG / PhD	Technical	131	10	3

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

13	Department of Management studies	Academic Department with lab facility	Management	UG / PG / PhD	Non-Technical	220	11	1
14	Aspartika	Incubation Unit	Biotechnology	At all level	Technical	180	4	3
15	Mallipathra	Incubation Unit	Biotechnology	At all level	Technical	180	4	4
16	Krimmi	Incubation Unit	Biotechnology	At all level	Technical	180	4	4

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 : IC201912344
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 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	Hands on workshop on digital VLSI Design	Innovation	Workshop	Institute Lead Activity	Electronics and communication engineering department	30-08-2019 00:00:00	30-08-2019 00:00:00	1	Within Campus	23	0	0	0	23	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) 15000	No
2	3D Printing and Raspberry-pi	Innovation	Workshop	Institute Lead Activity	Electronics and communication engineering department	02-03-2020 00:00:00	06-03-2020 00:00:00	5	Within Campus	40	5	20	0	65	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) 108000	No

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

3	Embedded IOT and its Application	Innovation	Skill development	Institute Lead Activity	Electronics and communication engineering department and IEEE STUDENT CHAPTER	22-09-2019 00:00:00	23-09-2019 00:00:00	2	Within Campus	80	0	0	0	80	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	23000	No
4	One Day Awareness program on IPR	IPR	Awareness	Institute Lead Activity	Electrical and Electronics Engineering department in Association with SIRMVIT -KSCST IP CELL	26-10-2019 00:00:00	26-10-2019 00:00:00	1	Within Campus	150	85	40	20	295	No	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

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	Hands on workshop on MATLAB Simulink and its applications	Innovation	Workshop	SIR M VISVESVARAYA INSTITUTE OF TECHNOLOGY ,BANGALORE	Educational Institute	16-07-2019 00:00:00	17-07-2019 00:00:00	2	0	3	3	No	---	---	No	No
2	Engineering Pedagogy redefined for todays google era	Innovation	Skill development	SIR M VISVESVARAYA INSTITUTE OF TECHNOLOGY ,BANGALORE	Educational Institute	09-08-2019 00:00:00	10-08-2019 00:00:00	2	0	6	6	No	---	---	No	No
3	Outcome based education - NBA Accreditation	Innovation	Training	TEQIP13 -VTU Belagavi- IQAC Don Bosco Institute of Technology	Educational Institute	27-01-2020 00:00:00	31-01-2020 00:00:00	5	0	1	1	No	---	---	No	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

4	Writing a competitive Research grant proposal	IPR	Workshop	IEEE Communication society student chapter-Ramaiah Institute of Technology	International Agencies	13-03-2020 00:00:00	13-03-2020 00:00:00	1	0	1	1	No	---	---	No	No							
5	Anveshana Science and Engineering Fair	Innovation	Innovation Contest	Agastya International Foundation	Non-Govt. Agencies	25-02-2020 00:00:00	27-02-2020 00:00:00	3	2	0	2	Yes	Second Position	Biscuits from Mucuna	No	<table border="1"> <tr> <td>Award / Position / Recognition Secured</td> <td>Second Position</td> </tr> <tr> <td>Title of Innovation / Start-up Secured the Award / Recognition</td> <td>Biscuits from Mucuna</td> </tr> <tr> <td>Award/Recognition/Achievement Received for</td> <td>Idea/Innovation/Prototype</td> </tr> </table>		Award / Position / Recognition Secured	Second Position	Title of Innovation / Start-up Secured the Award / Recognition	Biscuits from Mucuna	Award/Recognition/Achievement Received for	Idea/Innovation/Prototype
Award / Position / Recognition Secured	Second Position																						
Title of Innovation / Start-up Secured the Award / Recognition	Biscuits from Mucuna																						
Award/Recognition/Achievement Received for	Idea/Innovation/Prototype																						

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	Management and Entrepreneurship	Entrepreneurship/Startup	Elective/Core Credit Course	Bachelor	Electrical and Electronics Department	08-01-2019	07-04-2019	90	Offline	130	50
2	Biobusiness and Entrepreneurship	Entrepreneurship/Startup	Elective/Core Credit Course	Bachelor	Biotechnology	01-02-2020	01-06-2020	122	Offline	42	52
3	Project Management and IPR	IPR	Elective/Core Credit Course	Bachelor	Biotechnology	01-02-2020	01-06-2020	122	Offline	40	52
4	Bioprocess Equipment design and CAED	Innovation	Elective/Core Credit Course	Bachelor	Biotechnology	01-02-2020	01-06-2020	122	Offline	42	52

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)

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	Downstream processing of phytopharmaceuticals (In association with The Himalaya Drug Company)	Innovation	Employment Generation Training Programs	Biotechnology	01-10-2019	01-12-2019	62	Offline	30	30

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	R Sundaraguru	ECE	Professor - HOD	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)
2	VANI B P	ECE	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)

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	TEAM SPARTAN	Innovation Club	2019	Work Stations	Innovation Labs	1	Indraneel Das	indraneel.das1312@gmail.com	8884702152
2	Team INFERNO	Innovation Club	2011	Work Stations	Innovation Labs	1	Sree Tejas S.	sreetejassrinivas@gmail.com	8050994696
3	Team ELECTRIMO - EEE	Innovation Club	2020	Work Stations	Innovation Labs	1	HARSHITH	harshith.8002@gmail.com	7259846119

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 on 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	SirMVIT-KSCST IP CELL	Innovation Centre	2020	None	Innovation Labs, Student Clubs	Innovation Labs, Student Clubs	<table border="1"> <tr> <td>Facility Incharge Name</td> <td>Dr.MA HESH. K</td> </tr> <tr> <td>Facility Incharge Email</td> <td>drmaheshk_eee@sirmvit.edu</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>08028467248</td> </tr> </table>	Facility Incharge Name	Dr.MA HESH. K	Facility Incharge Email	drmaheshk_eee@sirmvit.edu	Facility Incharge Phone	08028467248	5	No	No	No
Facility Incharge Name	Dr.MA HESH. K																
Facility Incharge Email	drmaheshk_eee@sirmvit.edu																
Facility Incharge Phone	08028467248																

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)

2	TECHNOLOGY INCUBATION CENTER OF SIR MVIT	Startup Cell	2013	Work Stations	Innovation Labs,IPR Cell/Technology Transfer Centre	Innovation Labs,IPR Cell/Technology Transfer Centre	<table border="1"> <tr> <td>Facility Incharge Name</td> <td>Srinivas B V</td> </tr> <tr> <td>Facility Incharge Email</td> <td>shrinivasan.v.bandlamori@gmail.com</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>9538730365</td> </tr> </table>	Facility Incharge Name	Srinivas B V	Facility Incharge Email	shrinivasan.v.bandlamori@gmail.com	Facility Incharge Phone	9538730365	5	Yes	No	No
Facility Incharge Name	Srinivas B V																
Facility Incharge Email	shrinivasan.v.bandlamori@gmail.com																
Facility Incharge Phone	9538730365																

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

Srno	Name of CoE Facility	Year of Establishment	CoE with Access to Other I&E Facilities at the HEI	Name of the Funding Schemes Available with CoE, if any (Optional)	Facility Details	Total Nos of Dedicated Executive/Management team Strength Engaged at the Facility	Had the CoE Provided any Funding Support for Idea/Prototype/Innovation Development and implementation during the Financial Year 2019-20?	Had institute Generated Income either from Services Offered by CoE Centre/Facilities?	Had institute spent expenses either from own resource/received fund towards Establishment/Operation of CoE Centre/Facilities?						
1	TECHNOLOGY INCUBATION CENTER OF SIR MVIT	2013	IPR Cell/Technology Transfer Centre	BIRAC	<table border="1"> <tr> <td>Facility Incharge Name</td> <td>Srinivas B V</td> </tr> <tr> <td>Facility Incharge Email</td> <td>shrinivasan.v.bandlamori@gmail.com</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>9538730365</td> </tr> </table>	Facility Incharge Name	Srinivas B V	Facility Incharge Email	shrinivasan.v.bandlamori@gmail.com	Facility Incharge Phone	9538730365	5	No	No	No
Facility Incharge Name	Srinivas B V														
Facility Incharge Email	shrinivasan.v.bandlamori@gmail.com														
Facility Incharge Phone	9538730365														

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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1	TEAM SPARTAN	Product Innovation	Technological	CATIA software	Student-Faculty	TRL 6 : Prototype system tested in intended environment close to expected performance.	TRL 6 : Prototype system tested in intended environment close to expected performance.	Innovation Development Ongoing	No	No	No	No	No	
Name		Type			Gender		Email			Contact				
Indraneel Das and Madhukumar K		Faculty and Student			Male		indraneel.das1312@gmail.com			9986464333				
2	Team INFERNO	Product Innovation	Non-Technological	Eco friendly ELECTRIC car VAYU2.0	Student-Faculty	TRL 6 : Prototype system tested in intended environment close to expected performance.	TRL 6 : Prototype system tested in intended environment close to expected performance.	Innovation Development Completed	Agency Name	Virtual Safety Category	No	No	No	No
Name		Type			Gender		Email			Contact				
Khalique Ejaz Ahmed		Faculty and Student			Male		khaliqueejaz_mech@sirmvit.edu			9845450080				

3	Electrimo	Product Innovation	Technological	Electric Kart	Student-Faculty	TRL 6 : Prototype system tested in intended environment close to expected performance.	TRL 6 : Prototype system tested in intended environment close to expected performance.	Innovation Development Ongoing	Agency Name NE KC	Agency Type Not-Govt. Agencies	Award / Position / Recognition Secured BEST TEAM SPIRIT	No	200000	No	No
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Grant Amount in Rs

Name	Type	Gender	Email	Contact
Harshith and Dr.Mahesh.K	Faculty and Student	Male	harshith.8002@gmail.com	7259846119

4	Evaluation of a non-antibiotic feed supplement towards enhancement of immune response against mycoplasma infection in poultry to prevent the occurrence of Complicated chronic respiratory disease	Product Innovation	Technological	Krimmi Biotech LLP	Alumni	TRL 3 : Applied research. First laboratory tests completed; proof of concept.	TRL 7 : Demonstration system operating in operational environment at pre-commercial scale.	Innovation Development Ongoing	No	No	No	No	No
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Name	Type	Gender	Email	Contact
Dr H G Nagendra	Faculty	Male	nagshaila@gmail.com	7019670589

Name	Type	Gender	Email	Contact
Ashwathy S Das I	Alumni Entrepreneur	Female	ashwathyd12@gmail.com	9741910575

5	Development of silkworm rearing technique for production of naturally coloured cocoons and fibres	Product Innovation	Technological	Sericulture	Alumni	TRL 3 : Applied research. First laboratory tests completed; proof of concept.	TRL 5 : Large scale prototype tested in intended environment.	Innovation Development Ongoing	No	No	No	No	No
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Name	Type	Gender	Email	Contact
Deepa H N	Alumni Entrepreneur	Female	deepuhn3@gmail.com	9880990371

6	Utilization of flower waste generated in temple and market vicinity for development of value added products as a revenue generation model for women	Product Innovation	Technological	Waste Management	Alumni	TRL 3 : Applied research. First laboratory tests completed; proof of concept.	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype).	Innovation Development Ongoing	No	No	No	No	No
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Name	Type	Gender	Email	Contact
Ashwathy	Alumni Entrepreneur	Female	ashwathyd12@gmail.com	9741910575

Name	Type	Gender	Email	Contact
Srinivas B V	Alumni Entrepreneur	Male	shrinivasan.v.bandlamori@gmail.com	9538730365

Section 5 : List all the Ventures/Startups/SME Units Established with Support of Pre-incubation & Incubation facilities at the HEI

Sr no	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 Start-up Grown to a stage of Employment Generation to 10 Numbers or an annual Turnover to Rs. 50 Lakhs during the financial year 2019-20
1	Aspartika Biotech Pvt Ltd	Product Innovation	Technological	4499	Alumni	Venture with Corporate Identification Number (CIN) Registration 07113187	2019-20	Venture Development Dropped		No		No	No
Name		DIN number		Type		Gender		Email		Contact			
Mr. Sujit Kumar Ghosh		9538730365		Faculty		Male		aspartika.india@gmail.com		9901427756			

2	Mallipathra Nutraceutical Pvt Ltd	Product Innovation	Technological	4499	Faculty	Venture with Corporate Identification Number (CIN) Registration 07339556	2019-20	Received Incubation Support from Incubation Unit	<table border="1"> <tr> <td>Agency Name</td> <td>INDIABIO</td> </tr> <tr> <td>Agency Type</td> <td>Govt. Agency (State)</td> </tr> <tr> <td>Award / Position / Recognition Secured</td> <td>Smart Bio Award</td> </tr> </table>	Agency Name	INDIABIO	Agency Type	Govt. Agency (State)	Award / Position / Recognition Secured	Smart Bio Award	No	No	No	No
Agency Name	INDIABIO																		
Agency Type	Govt. Agency (State)																		
Award / Position / Recognition Secured	Smart Bio Award																		
Name		DIN number		Type		Gender		Email		Contact									
Dr. Mousumi Mondal		07339556		Faculty		Female		moumons@gmail.com		7795255727									
3	Krimmi Biotech LLP	Product Innovation	Technological	4499	Faculty	Venture with Corporate Identification Number (CIN) Registration 07233536	2019-20	Received Incubation Support from Incubation Unit	<table border="1"> <tr> <td>Agency Name</td> <td>BIRAC</td> </tr> <tr> <td>Agency Type</td> <td>Govt. Agency (State)</td> </tr> <tr> <td>Award / Position / Recognition Secured</td> <td>BIRAC Innovator Award</td> </tr> </table>	Agency Name	BIRAC	Agency Type	Govt. Agency (State)	Award / Position / Recognition Secured	BIRAC Innovator Award	No	No	No	No
Agency Name	BIRAC																		
Agency Type	Govt. Agency (State)																		
Award / Position / Recognition Secured	BIRAC Innovator Award																		
Name		DIN number		Type		Gender		Email		Contact									
Mr. Deepak Bajantri		07233536		Alumni Entrepreneur		Male		krimmi.biotech@gmail.com		9916916989									

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	Human following robot with fault detection using IMU Based smarthphone Control	CBR No-25701	National	2019 - 08	Uploaded