



# 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: Atal Bihari Vajpayee Indian Institute of Information Technology and Management [ARI-U-0267]

### 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	Technology Innovation and Incubation Centre	Incubation Unit	Health care, Education, Agriculture, Financial inclusion including digital payment infrastructure and transport, Environment and clean Technology, IT enabled Services.	At all level	Both	1200	45	22

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

Programs/Initiatives	Status	Registration ID
Adopted National Innovation and Start-up Policy at the HEI	NO	Not Required
Establishment of Institution's Innovation Council (IIC) at HEI	YES	IIC Registration ID : IC201810663
Trained Innovation Ambassadors at HEI	NO	Not Required
Participation in Smart India Hackathon (SIH)	No	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?
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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	Android App Development workshop	Entrepreneurship/Startup	Workshop	Institute Lead Activity	Technology Innovation and Incubation Centre, ABV-IIIITM, Gwalior	10-06-2019 00:00:00	25-06-2019 00:00:00	16	Within Campus	34	0	17	0	51	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	12550	No
2	MATHMA DEEASY - Mathematics Workshop (18-19 June 2019)	Innovation	Workshop	Institute Lead Activity	TIIC, ABV-IIIITM, Gwalior	18-06-2019 00:00:00	19-06-2019 00:00:00	2	Within Campus	12	0	34	0	46	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	8000	No
3	One Day Awareness Workshop on Innovation, Entrepreneurship and Startups: Challenges and Opportunities: Sep 28, 2019	IPR	Seminar	Institute Lead Activity	TIIC, ABV-IIIITM, Gwalior	28-09-2019 00:00:00	28-09-2019 00:00:00	1	Within Campus	29	12	38	0	79	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	75000	No
4	Symposium/Workshop on Science of Materials and Future Innovation (25 Nov 2019)	Innovation	Workshop	Institute Lead Activity	TIIC, ABV-IIIITM, Gwalior	25-11-2019 00:00:00	25-11-2019 00:00:00	1	Within Campus	48	12	37	8	105	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	42500	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)**

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	Entrepreneurial Finance	Entrepreneurship/Startup	Full time Program	Master	ABV-IIIITM Gwalior	01-07-2019	01-01-2020	185	Offline	46	120
2	Entrepreneurship and Innovation	Entrepreneurship/Startup, Innovation	Full time Program	Master	ABV IIIITM Gwalior	01-07-2019	01-01-2020	185	Online	27	120

**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	One day faculty development programme on deep learning and applications	Entrepreneurship/Startup	MDP in I&E / IPR	ABV IIIITM Gwalior	27-05-2019	31-05-2019	5	Online	21	30
2	IOT Based smart village	Entrepreneurship/Startup	FDP in I&E / IPR	ABV IIIITM Gwalior	19-07-2019	22-07-2019	4	Online	19	30
3	Industry 4 The challenges and Opportunities for Engineers Researchers in Interdisciplinary Research	Innovation	FDP in I&E / IPR	ABV IIIITM Gwalior	24-07-2019	27-07-2019	4	Online	34	30
4	NKN online faculty development program on VLSI Chip Design Hands on using open source	Entrepreneurship/Startup	FDP in I&E / IPR	ABV IIIITM Gwalior	08-07-2019	12-07-2019	5	Online	18	30
5	NKN online course on Embedded system and interfacing hands on	Entrepreneurship/Startup	EDP in I&E / IPR	ABV IIIITM Gwalior	10-06-2019	14-06-2019	5	Online	21	35
6	Smart village using artificial intelligence	Innovation	FDP in I&E / IPR	ABV IIIITM Gwalior	12-11-2019	16-11-2019	5	Online	35	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)**

<b>No Data Filled!</b>
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**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	Raman Innovation Club	Innovation Club	2014	Co-working Space	Incubation Unit	2	Priyansh Saxena	ipg_2016076@iiitm.ac.in	9808810251
2	Uthan	Idea Club	2015	Co-working Space	Pre-Incubation Unit	1	Hitesh Ahuja	hiteshahuja1998@gmail.com	7441183308
3	E-Cell	Idea Club	2013	Work Stations	Innovation Labs	3	Priyansh Rastogi	ecell@iiitm.ac.in	8171594356

**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?
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**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)**

1	Technology Innovation and Incubation Center, ABV-IIIITM Gwalior	Innovation Centre	2010	Co-working Space,3D Printing & Prototype Equipment, Work Stations	Innovation Labs, Student Clubs	Innovation Labs, Student Clubs	<table border="1"> <tr> <td>Facility Incharge Name</td> <td>Dr. Manoj Dash</td> </tr> <tr> <td>Facility Incharge Email</td> <td>manojdash@iiitm.ac.in</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>9981380256</td> </tr> </table>	Facility Incharge Name	Dr. Manoj Dash	Facility Incharge Email	manojdash@iiitm.ac.in	Facility Incharge Phone	9981380256	12	Yes	<table border="1"> <tr> <td colspan="2">Yes</td> </tr> <tr> <td>Total Annual Income from Training and Skill Development Services (In Rupees)</td> <td>0</td> </tr> <tr> <td>Total Annual Income from (Technical and Business) Mentoring Services (In Rupees)</td> <td>0</td> </tr> <tr> <td>Total Annual Income from Office Space and Rental Services to Start-ups/Innovators (In Rupees)</td> <td>1040000</td> </tr> </table>	Yes		Total Annual Income from Training and Skill Development Services (In Rupees)	0	Total Annual Income from (Technical and Business) Mentoring Services (In Rupees)	0	Total Annual Income from Office Space and Rental Services to Start-ups/Innovators (In Rupees)	1040000	Yes
Facility Incharge Name	Dr. Manoj Dash																								
Facility Incharge Email	manojdash@iiitm.ac.in																								
Facility Incharge Phone	9981380256																								
Yes																									
Total Annual Income from Training and Skill Development Services (In Rupees)	0																								
Total Annual Income from (Technical and Business) Mentoring Services (In Rupees)	0																								
Total Annual Income from Office Space and Rental Services to Start-ups/Innovators (In Rupees)	1040000																								
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		Ministry of Electronics and Information Technology		Govt. Agency (Central)		1360000																			

**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**

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 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	True Savior	Process Innovation	Technological		Student	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype).	TRL 5 : Large scale prototype tested in intended environment.	Innovation Development Ongoing	No	Yes	<table border="1"> <tr> <td>Grant Amount in Rs</td> <td>25000</td> </tr> </table>	Grant Amount in Rs	25000	No	No
Grant Amount in Rs	25000														
				Name		Type		Gender		Email		Contact			
				Shivanshu Anand		Student		Male		shivanshuk33@gmail.com		7088669990			

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

No Data Filled!

**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	MSME, Bhopal	Govt. Agency (State)	Providing (or) Receiving Incubation/Pre-Incubation Support Services to Innovators/Startups	Incubation,Networking	02	21-08-2019
2	Innovation and Incubation Center, jiwaji University , Gwalior	Govt. Agency (State)	Providing (or) Receiving Mentor and Handholding Support to Support I&E Activities	Incubation,Mentoring	5	23-10-2019
3	MeitY (ministry of Electronics and Information Technology)	Govt. Agency (Central)	Collaboration with Startups/Industry Associations/Knowledge Agencies to Promote I&E Activities and/or Internship Opportunities	Incubation,Mentoring,Networking,Investment,Seed fund	27	15-10-2019

### 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	Improved propelling system for under water devices	PCT/IN2019/05	International	2019 - 08	Uploaded
2	IoT-enabled agricultural pest control device and monitoring system for organic farming	202031001759)	National	2020 - 01	Uploaded
3	IoT-based pet dog health monitoring and kennel cough detection system	(202021038607	National	2020 - 03	Uploaded

### 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!**

### List the patent Published & Granted to HEI

Srno	Title / Name of Patent	Type of IP	Publication / Granted Number	Publication / Granted Year	Status	Remarks
1	SYSTEM FOR INDOOR POSITION TRACKING AND ASSOCIATED METHOD	Published	IN201721017546A	2017	Approved	
2	A REAL-TIME IMAGE DEHAZING DEVICE	Published	IN201921000063A	2019	Approved	
3	An improved propelling system for underwater devices	Published	202031001759	2019	Approved	
4	AN IMPROVED PROPELLING SYSTEM FOR UNDERWATER DEVICE	Published	PCT/IN2019/050570	2018	Approved	Publication 2020

## Declaration

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

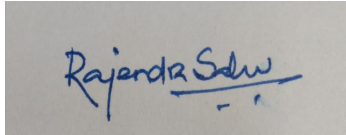
### Joint Declaration by the Head of the Institute and Nodal Officer

Dear Sir,

Herewith, myself Prof. Rajendra Sahu (Head of Institute) and Mr. RAJENDRA SAHU (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

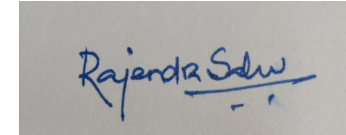
The Head of Institute

A rectangular box containing a handwritten signature in blue ink that reads "Rajendra Sahu".

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Prof. Rajendra Sahu  
Head of the Institution,  
Gwalior, Madhya Pradesh

Nodal officer

A rectangular box containing a handwritten signature in blue ink that reads "Rajendra Sahu".

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Mr. RAJENDRA SAHU  
Nodal Officer,  
Gwalior, Madhya Pradesh