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

Institute Name: Vidya Vihar Institute of Technology [ARI-C-29596]

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

Department / Center / Unit Name	Type of Department / Center / Unit	Mention the Stream / Discipline / Sector of focus	Department / Center / Unit Level	Program Type	Student / Benificiary Strength (2019-20)	Academic Staff Strength (2019-20)	Non-academic Staff Strength (2019-20)
Innovation Cell	Centre of Excellence with Advance Tools & Equipment	Computer Science and Electronics	UG / PG / PhD	Technical	10	7	2
Entrepreneurship Cell	Pre-incubation unit	Business Administration	UG / PG / PhD	Non-Technical	8	6	2
Department of Mechanical Engineering	Centre of Excellence with Advance Tools & Equipment	Image Processing using MATLAB	UG / PG / PhD	Technical	100	20	5
Department of computer science	Incubation Unit	Summer Internship Program	UG / PG / PhD	Technical	30	4	2
Department of computer science	Academic Department with lab facility	Language Lab	UG / PG / PhD	Technical	46	2	2
Department of computer science	Academic Department with lab facility	Web Technology Lab	UG / PG / PhD	Technical	46	2	2
Department of computer science	Academic Department with lab facility	AI Lab	UG / PG / PhD	Technical	60	3	2
Department of computer science	Academic Department with lab facility	Database Lab	UG / PG / PhD	Technical	46	2	2
Department of Management	Industry Institute Interface Unit	Marketing, HR ,Finance and Accounts	UG / PG / PhD	Non-Technical	14	3	2
Department of Mechanical Engineering	Incubation Unit	Introduction to Engineering Simulation using finite Element Analysis	UG / PG / PhD	Technical	60	2	1
Department of Electronics and Communication Engineering	Academic Department with lab facility	Basic Electronics Lab	UG / PG / PhD	Technical	30	2	1
Department of Electronics and Communication Engineering	Academic Department with lab facility	Digital Electronics Lab	UG / PG / PhD	Technical	30	2	1
Department of Electronics and Communication Engineering	Academic Department with lab facility	Communication System Lab	UG / PG / PhD	Technical	30	2	1
Department of Electronics and Communication Engineering	Academic Department with lab facility	Analog Electronics Lab	UG / PG / PhD	Technical	30	2	1
Department of Electronics and Communication Engineering	Academic Department with lab facility	Material Lab	UG / PG / PhD	Technical	30	2	1

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

Department of Mechanical Engineering	Academic Department with lab facility	Mechanical Workshop	UG / PG / PhD	Technical	155	2	2
Department of Mechanical Engineering	Academic Department with lab facility	Engineering Graphics and Design (EGD)	UG / PG / PhD	Technical	90	2	2
Department of Mechanical Engineering	Academic Department with lab facility	Machine Drawing	UG / PG / PhD	Technical	12	1	1
Department of Mechanical Engineering	Academic Department with lab facility	Engineering Mechanics	UG / PG / PhD	Technical	29	1	1
Department of Mechanical Engineering	Academic Department with lab facility	Strength of materials (SOM)	UG / PG / PhD	Technical	12	1	1
Department of Mechanical Engineering	Academic Department with lab facility	Fluid Mechanics Lab	UG / PG / PhD	Technical	12	1	1
Department of Mechanical Engineering	Academic Department with lab facility	Fluid Machinery lab	UG / PG / PhD	Technical	27	1	1
Department of Mechanical Engineering	Academic Department with lab facility	Dynamics of Machinery Lab (DOM)	UG / PG / PhD	Technical	27	1	1
Department of Mechanical Engineering	Academic Department with lab facility	INTERNAL COMBUSTION ENGINE Lab	UG / PG / PhD	Technical	25	1	1
School of Mechanical Engineering	Academic Department with lab facility	Heat and mass Transfer Lab	UG / PG / PhD	Technical	25	1	1
Department of Mechanical Engineering	Academic Department with lab facility	Steam Power System Lab	UG / PG / PhD	Technical	27	1	1
Department of Mechanical Engineering	Academic Department with lab facility	Refrigeration and Air Conditioning Lab	UG / PG / PhD	Technical	25	1	1
Department of Mechanical Engineering	Academic Department with lab facility	CAD/CAM Lab	UG / PG / PhD	Technical	25	2	1
Department of Electrical and Electronics Engineering	Academic Department with lab facility	Electrical Machine Lab	UG / PG / PhD	Technical	25	4	2
Department of Electrical and Electronics Engineering	Academic Department with lab facility	Engineering Instrumentation lab	UG / PG / PhD	Technical	20	2	2
Department of Electrical and Electronics Engineering	Academic Department with lab facility	Basic Electrical Engineering Lab	UG / PG / PhD	Technical	90	3	2
Department of Electrical and Electronics Engineering	Academic Department with lab facility	Power system protection and protection Lab	UG / PG / PhD	Technical	25	2	2
Department of Electrical and Electronics Engineering	Academic Department with lab facility	Basic Electronics Lab	UG / PG / PhD	Technical	20	2	2
Department of Electrical and Electronics Engineering	Academic Department with lab facility	Power Electronics lab	UG / PG / PhD	Technical	25	2	2
Department of Electrical and Electronics Engineering	Centre of Excellence with Advance Tools & Equipment	Robotics Lab	UG / PG / PhD	Technical	100	4	2
Innovation Cell	Incubation Unit	Agrotechnology	UG / PG / PhD	Technical	20	3	5
Department of Electrical and Electronics Engineering	Incubation Unit	Solar based electric car	UG / PG / PhD	Technical	10	2	2

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

Department of Electrical and Electronics Engineering	Incubation Unit	Wifi based home automation system	UG / PG / PhD	Technical	10	2	2
Innovation Cell	Incubation Unit	Maizer dryer unit	UG / PG / PhD	Technical	15	2	5

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 : IC202015254
Trained Innovation Ambassadors at HEI	No	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

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	Fully automated college campus based on IOT	Innovation	Exhibition	Student Lead Activity	Innovation Club	12-02-2020 00:00:00	19-02-2020 00:00:00	8	Within Campus	20	2	0	0	22	No	No
2	workshop on MATLAB	Entrepreneurship/ Startup	Workshop	Institute Lead Activity	Department of Mechanical Engineering	29-02-2020 00:00:00	01-03-2020 00:00:00	2	Within Campus	121	20	34	0	175	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) 116000	No
3	Automatic Hand Sanitizer	Innovation	Awareness	Institute Lead Activity	Vidya Vihar Institute of Technology , Purnia	13-02-2020 00:00:00	17-02-2020 00:00:00	5	Within Campus	3	1	0	0	4	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) 10000	No

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

Srno	Name of Program (Full	Program Theme	Program Type	Organizing Agency / Institute	Organizing Agency Type	Program Start Date	Program End Date	Program Duration(in Days)	Participants (Students	Participants (Faculty)	Total Number of	Awards/Recognitions/Achiev	Award / Position / Recogniti	Title of Innovation / Start-	Had institute spent expenses either from own resource/ received fund towards sending	Did any of the participants received any awards/recognition for startup / innovation ideas /

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

Name)			Name				)			Participa nts	ements	on Secured	up Secured the Award / Recogniti on	delegation to participate / represent the activity /event?		research
1	Techmiti	Innovatio n	Exhibition	MIT Muzaffar pur	Educatio nal Institute	25-02-20 20 00:00:00	26-02-20 20 00:00:00	2	4	1	5	No	---	---	TotalTotal Expense Amount Incurred by Institute? (In Rupees)	7000	No

List the Academic Programs on Innovation, IPR and Entrepreneurship Development Offered During the Academic Period (2019-20)

Srno	Title of Course/Subject Offered	Program Theme	Type of Course	Course Offering Department/Centr e/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	Training on Digital Marketing	Entrepreneurship/Startup	Elective/Core Credit Course	Bachelor	Department of computer Science	23-12-2019	10-01-2020	19	Offline	20	60
2	Software Training Program	Entrepreneurship/Startup, Innovation	Elective/Core Credit Course	Bachelor	Electronics and ICT Academy IIT Kanpur	08-09-2020	08-10-2020	31	Online	40	90

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

Srno	Title of the Training Program	Program Theme	Type of Course	Course Offering Department/Centre/ Unit Name	Program Start Date	Program End Date	Program Duration(in Days)	Mode of Delivery	Total Numbers of Participants	Total Numbers of Contact Hours of Course (Minimum 30 Contact hours)
1	A hands-on Introduction to Engineering Simulations using Finite Element Analysis	Innovation	FDP in I&E / IPR	Department of Mechanical Engineering	19-07-2020	23-07-2020	5	Online	35	30
2	Antennas and Modern Wireless System	Innovation	FDP in I&E / IPR	Department of Electrical and Electronics Engineering	03-08-2020	07-08-2020	5	Online	88	30
3	Employability Skills Workshop	Entrepreneurship/Startup	Employment Generation Training Programs	Aryabhatta Knowledge University	01-08-2020	31-12-2020	153	Online	62	200

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	Er. Aman Kumar Rajan	Department of Electrical and Electronics Engineering	Assistant Professor	No	No
2	ER. Rahul Kumar	Department of Mechanical Engineering	Assistant Professor	No	No

| 3 | Er. Stuti Kumari | Department of Computer Science | Assistant Professor | No | No |

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	Coding Club	Idea Club	2013	Co-working Space	Innovation Labs	3	Manish Kumar	manishvvit@gmail.com	6200064858
2	IOT and Robotics club	Innovation Club	2017	Work Stations	Innovation Labs	2	Manish Kumar	manishvvit@gmail.com	6200064858
3	Entrepreneurship Club	Idea Club	2017	Co-working Space	No Such Facilities Exist in the Campus	2	Md shahnawaz ansari	mdshahnawaza671@gmail.com	9534630707

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)

No Data FIled!

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

No Data FIled!

List the Incubation Facilities at the HEI (>= 1500 Sq. Ft. Floor Area)

No Data FIled!

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

No Data FIled!

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

No Data FIled!

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	ER. Rahul Kumar	Assistant Professor	Idea/Innovation Development	6
	Name of Idea/Innovation/ Startup Mentored		**Mentoring Setup [Within (or) Outside] HEI**	**CIN (in case it is Startup)**
	Agrotechnology		Within	
2	Er. Aman Kumar Rajan	Assistant Professor	Idea/Innovation Development	2

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)
	Fully automated college campus based on IOT		Within	
3	Er. Stuti Kumari	Assistant Professor	Idea/Innovation Development	2
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	AI and Machine Learning		Within	

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

No Data FIled!

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	Maize dryer system	Product Innovation,Process Innovation	Technological	Agrotechnology	Student-Faculty	TRL 5 : Large scale prototype tested in intended environment.	TRL 5 : Large scale prototype tested in intended environment.	Innovation Development Ongoing	No	No	Grant Amount in Rs 6815	Yes	No

Name	Type	Gender	Email	Contact
Er. Rahul Kumar	Faculty	Male	rhlkmr@gmail.com	7979044407

Name	Type	Gender	Email	Contact
Er. Aman Kumar rajan	Faculty	Male	amankrajan@gmail.com	8076505079

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

No Data FIled!

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

No Data Flled!

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

No Data Flled!

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

No Data Flled!

List the IPs hold by the Innovation teams/Startups Incubated at the Pre-incubation/incubation Unit of the HEI

No Data Flled!

List the IP Commercialized/Transferred Published & Granted to HEI as Co-applicant/Co-owner

No Data Flled!

Declaration

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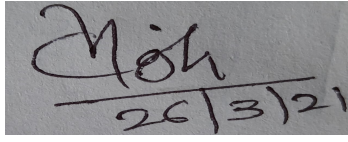The ARIIA Committee
MHRD's Innovation Cell
New Delhi

Joint Declaration by the Head of the Institute and Nodal Officer

Dear Sir,

Herewith, myself Dr. Manish Kumar (Head of Institute) and Mr. Stuti Kumari (Nodal Officer) jointly declaring on behalf of our institute is that all the information submitted are true and correct to best of our knowledge.
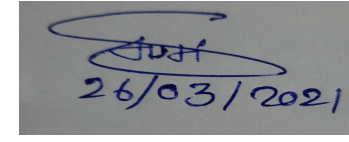
Thank you

The Head of Institute

Dr. Manish Kumar
Head of the Institution,
Purnia, Bihar

Nodal officer

Mr. Stuti Kumari
Nodal Officer,
Purnia, Bihar

Responsibility for accuracy and authenticity of data lies with the concerned institution.