



# ARIIA

## ATAL RANKING OF INSTITUTIONS ON INNOVATION ACHIEVEMENTS



**MHRD**  
Ministry of Human  
Resource Development  
Government of India

### Submitted Institute Data for Atal Ranking of Institutions on Innovation Achievements (ARIIA)

Institute Name: Pandit Dwarka Prasad Mishra Indian Institute of Information Technology, Design and Manufacturing (IIITDM) Jabalpur [ARI-U-0286]

### Awareness / Training / Programmes organized by the Institute

Total Annual Expenditure Incurred towards Organizing Awareness, Workshop, Seminars, Training programs etc. related to promote innovation, IPR and Entrepreneurship Development

Financial Year	Program Type	Name of Program	Program Theme	Program Duration	Program Conducted	Participants Details			Expenditure Incurred		
						Number of Internal Participants	Number of External Participants	Total Number of Participants	Institute Own / Internal Fund (in Rs.)	Sponsorship / External Fund	Total Expenditure Incurred
2016-17	Workshops / Training / Seminars / Conferences	Design Workshop on Internet of Process Centric Design and Manufacture	Innovation	12-Dec-2016 to 14-Dec-2016 (3 Days)	Within Campus	300	25	325	355375.00	120000.00	475375.00
2016-17	Workshops / Training / Seminars / Conferences	IP Awake- An Awareness Seminar on Intellectual Property Rights for Academia	IPR	21-Jan-2017 to 21-Jan-2017 (1 Days)	Within Campus	150	10	160	0.00	0.00	0.00
2017-18	Workshops / Training / Seminars / Conferences	Zero to One	IPR	15-Apr-2017 to 15-Apr-2017 (1 Days)	Within Campus	200	50	250	0.00	0.00	0.00
2017-18	Awareness / Motivational Programs	Promotional Event on National Award 2017	Innovation	01-Sep-2017 to 01-Sep-2017 (1 Days)	Within Campus	130	15	145	0.00	0.00	0.00
2017-18	Awareness / Motivational Programs	Industrial Motivation Program	Entrepreneurship/ Startup	04-Oct-2017 to 04-Oct-2017 (1 Days)	Within Campus	100	0	100	0.00	0.00	0.00
2017-18	Workshops / Training / Seminars / Conferences	DeW 2017	Innovation	09-Dec-2017 to 11-Dec-2017 (3 Days)	Within Campus	137	45	182	120406.00	192000.00	312406.00

### Institute's Participation in Events / Programmes organized by the External Agencies

Total Annual Expenditure Incurred towards Supporting Students and Faculties to Participate/Present in National and International Level Innovation and Start-up Events/Competitions/Hackathons etc.

Financial Year	Program Type	Program Theme	Name of Event	Organizing Agency / Institute Name	Level of Event	Type of Participants	Nos of Participants	Achievements (Awards/Recognitions/Prize, If any)	Expenditure Incurred		
									Institute Own / Internal Fund (in Rs.)	Sponsorship / External Fund	Total Expenditure Incurred
2015-16	Other Related Programs	Entrepreneurship/Startup	Startup India	IIM Ahmedabad	National	Faculty	1		17560.00	0.00	17560.00

### Institute's Participation in Events / Programmes organized by the External Agencies

Total Annual Expenditure Incurred towards Supporting Students and Faculties to Participate/Present in National and International Level Innovation and Start-up Events/Competitions/Hackathons etc.

2016-17	Workshops / Training / Seminars / Conferences	Innovation	INUP Familiarization Workshop (28-30 Nov 2016)	Indian Institute of Science, Bangalore	National	Both	1		30147.00	0.00	30147.00
2016-17	Workshops / Training / Seminars / Conferences	Entrepreneurship/Startup	Startup India Workshop	IIT Bombay	National	Faculty	1		29494.00	0.00	29494.00
2017-18	Workshops / Training / Seminars / Conferences	Innovation	ICDAMT 2018 International Conference on Digital Arts Media and Technology	University of Phayao, Thailand: in association with ECTI Thailand & IEEE Thailand Section	International	Faculty	1		72673.00	0.00	72673.00
2017-18	Workshops / Training / Seminars / Conferences	Innovation	Accelerator User Workshop (05-08 July 2017)	Inter-University Accelerator Centre, New Delhi	National	Both	1		15558.00	0.00	15558.00

### Pre-Incubation and Incubation facilities exist in-campus

Total Annual Expenditure Incurred towards Creation of Pre-Incubation and Incubation Facilities in Campus

**Not Applicable!**

### Fund supported to convert ideas to Innovations & Start-ups

Total Annual Fund Supported towards Conversion of Ideas to Innovative Solutions and Start-ups at the Institute Level

**Not Applicable!**

### Intellectual Properties Filed

Total Annual Expenditure Spent towards Patent filing of Innovative Technologies with Institute having Ownership

Financial Year	Title of Patent	Patent Application No	Inventors Type	Type of Patent Application Filed	Current Status (as of 31st March 2018)	Amount Spent towards Patent Filing (in Rs.)		
						Institution Own Fund	Sponsorship / Grant Fund	Total Amount Spent towards Patent Filing (in Rs.)
2015-16	Divcon Microchannels Heat Sink for Electronic Chip Cooling	2972/MUM/2015	Faculty	National	Application under Examination	9003.00	0.00	9003.00
2016-17	Diaphragm Integrated Piezoresistive Microcantilever Sensor	201621025377	Faculty	National	Application under Examination	8946.00	0.00	8946.00
2016-17	A Process and System for Manufacturing of Formed Sheets and - or Components thereof with Offset Contours	201721006539A	Student and Faculty	National	Application Published	0.00	0.00	0.00
2016-17	An improved energy efficient Cooking Device	201621038901	Student and Faculty	National	Application under Examination	29600.00	0.00	29600.00
2016-17	3D Printed Artificial Temporal Bone and Process of Making the Same	PCT/IN2017/050591	Student and Faculty	International	Application Published	0.00	0.00	0.00

**Intellectual Properties Filed**

Total Annual Expenditure Spent towards Patent filing of Innovative Technologies with Institute having Ownership

2016-17	3D Printed Artificial Temporal Bone and Process of Making the Same	E-1/40721/2016Mum	Student and Faculty	National	Application Published	0.00	0.00	0.00
2016-17	A tool for evaluating working width of tooth for root canal treatment	201621041472	Student and Faculty	National	Provisional/Complete Specification	0.00	0.00	0.00
2017-18	A Goggle An Auxiliary reading device for visually Impaired VISTA Glass	201721016562	Student and Faculty	National	Application under Examination	6170.00	0.00	6170.00
2017-18	SOMNAMVICE A Wearable Sleepwalking Notifier	201721021389	Student and Faculty	National	Application under Examination	6170.00	0.00	6170.00
2017-18	A Wireless and Voice Control Ex-Arm Exoskeleton Arm For Rehabilitation and Dexterity Impairment Ex Arm	201721023126	Student and Faculty	National	Application under Examination	6170.00	0.00	6170.00
2017-18	SATHI Speech Assistance and Technical Help for Incapacitate	201721022120	Student and Faculty	National	Application Published	6170.00	0.00	6170.00
2017-18	Wrist Pulse Monitoring	292889	Student and Faculty	National	Patent Granted	6000.00	0.00	6000.00

**Innovations Commercialized and IP Licensed**

Total Annual Expenditure Incurred and Revenue Generated from IP Commercialization and Licensing at Institute Level (Excluding Consultancy and Testing Services)

**Not Applicable!****Grant / Fund Generated / Received by Institute to support Innovation & Start-up**

Total Annual Grant / Fund Generated / Received / Mobilized from Govt., Non Govt. and Private Agencies towards Creation of Pre-Incubation and Incubation Infrastructure and Facilities in Campus

Financial Year of Fund Generated	Grant Agency Type	Grant Agency Name	Total Grant Period (in Years)	Total Grant Allocated Amount (in Rs.)	Total Grant Received Amount (in Rs.) (as of 31st March 2018)	Purpose of Grant Utilization (Multiple options can be selected)	Purpose of Grant Utilization (Other)
2015-16	Non-Government	NIL	00.0	0.00	0.00	Seed Fund / Investment Support to Innovation/Startups	---
2016-17	Government	Ministry of Human Resource Development	01.0	375000.00	375000.00	Pre-Incubation & Incubation Facility/Infrastructure Creation	---
2017-18	Non-Government	NIL	00.0	0.00	0.00	Pre-Incubation & Incubation Activities in Campus	---

**Venture Fund / Investment mobilized to support Innovation & Start-up**

Total Angel/Venture Fund Mobilized Annually towards Investment Commitment/Support Innovators/Start-ups incubated at Institute

**Not Applicable!****Revenue Generated from Incubation Services offered by the Institute**

Total Revenue Generated Annually from the Incubation Services offered and Equity/Share hold in Incubatees/Spinoffs

**Not Applicable!**

**Infrastructures & Facilities to Support Innovations and Start-ups**

**Advanced Infrastructure**

**Advanced Lab Infrastructure/Facilities available to Support Innovation and Start-Up**

Yes

**If Yes, Type of Lab Infrastructures / Facilities Available (Multiple Options can be Selected)**

Design Centre, Other

**List Maximum Five Advanced Labs Infrastructures Available in your Campus**

Name of the Centre	Sector Focus of Centre (Separate Multiple Sectors with Comma ",")	Name of the Centre In charge	Email of the Centre In charge
Solution Lab	Social Innovation	Prof. Puneet Tandon	ptandon@iiitdmj.ac.in
Ergonomics Lab	Human Factors Engineering	Dr. Sangeeta Pandit	s.pandit@iiitdmj.ac.in
LeNS Lab	Sustainable Design	Prof. Puneet Tandon	ptandon@iiitdmj.ac.in
deLOGIC Lab	Geometric Modeling, Innovation and Creation	Prof. Puneet Tandon	ptandon@iiitdmj.ac.in
Image and Vision Engineering Lab	Image Processing	Dr. Pritee Khanna	pkhanna@iiitdmj.ac.in

**Pre Incubation Centre Available in your Campus**

**Pre-Incubation Centre**

No

**Type of Centre (Multiple options can be selected)**

**List Maximum Five Pre-Incubation Centre Available in your Campus**

Name of the Centre	Sector Focus of Centre (Separate Multiple Sectors with Comma ",")	Name of the Centre In charge	Email of the Centre In charge
--------------------	---	------------------------------	-------------------------------

**Incubation Unit/Acceleration Centre/ Research Park / STEP**

**Incubation Unit/Acceleration Centre/ Research Park / STEP Available in your Campus**

No

**Type of Centre (Multiple options can be selected)**

**List Maximum Five Pre-Incubation Centre Available in your Campus**

Name of the Centre	Sector Focus of Centre (Separate Multiple Sectors with Comma ",")	Name of the Centre In charge	Email of the Centre In charge
--------------------	---	------------------------------	-------------------------------

**Student Projects recognized at National / International Level**

No of Innovative Student Projects Recognized Nationally/Internationally with Prestigious renowned Agencies/Awards

**Not Applicable!**

**Innovations to Startups**

No of Successful Conversion of Innovations initiated by Students/Alumni/Faculties converted to Enterprise/Start-ups made at Institute

**Not Applicable!****Co-Incubation Partnership**

Co-incubation Partnership made with other Institutions either to offer incubation support (or) to receive incubation support

**Not Applicable!****Courses on Innovation, IPR and Entrepreneurship Development**

Short Term Certificate Courses, Regular Academic Programs and Courses offered at Institute on Innovation, IPR and Entrepreneurship Development for Students, Faculties and Start-ups

Academic Year	Title of Course	Subject Focus of Course	Type of Course	Mode of Delivery	Duration of Course / Subject (Minimum 30 Contact Hours)	Total Enrollment for the Course	Total Nos. Completed the Course
2015-16	Design Thinking	Design thinking	Bachelor	Classroom	40	25	25
2016-17	Design Thinking	Design thinking	Bachelor	Classroom	40	27	27
2016-17	Design Thinking	Design thinking	Master	Classroom	40	24	24
2016-17	Strategic Design Management	Innovation and Entrepreneurship Development	Master	Classroom	40	24	24
2017-18	Design Thinking	Design thinking	Bachelor	Classroom	40	24	24
2017-18	Design Management	Innovation and Entrepreneurship Development	Bachelor	Classroom	40	24	24
2017-18	Design Thinking	Design thinking	Master	Classroom	40	25	25
2017-18	Strategic Design Management	Innovation and Entrepreneurship Development	Master	Classroom	40	25	25

**Faculty with Entrepreneurial Experience**

Regular Faculties Engaged in Teaching with Experience in Innovation Design, IPR, Business Modelling, Entrepreneurship Development, Start-up, etc.

Academic Year	Faculty Name	Department	Years of Experience in Start-up / Entrepreneurship	Area of Expertise (Multiple Options can be Selected)	Level of Involvements as	Is Faculty, a Founder/Director of any Start-up	Name of the Start-up (Multiple Startups can be mentioned with Comma)	Director Identification Number (DIN)
---------------	--------------	------------	--	--	--------------------------	--	--	--------------------------------------

**Innovation in Governance**

Best Innovative Solutions Developed In-house for Improving Governance of Your Institution

Financial Year	Categories	Title of the Innovation	Brief About Solutions / Approaches Developed and Deployed in Your Institute	Total Project Amount (in Rs.)	Revenue Generated (in Rs.)	Impact created (No. of Direct Beneficiaries/Users)
2017-18	Energy Conservation	Smart Street Light	Saving of electricity during night time by dimming light intensity across road network of the campus and switching device attached to panel board for timely switch On or Off of corridor lights	250000.00	0.00	1500
2017-18	Waste Management	Integrated Solid Waste Management (ISWM)	Integrated Solid Waste Management (ISWM) applied to campus towards zero waste campus by recycling of recyclable, disposable and biodegradable (waste) products.	1085000.00	0.00	1500