National Institutional Ranking Framework
Ministry of Education
Government of India
Welcome to Data Capturing System: INNOVATION

Submitted Institute Data for NIRF'2024'

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

Sanctioned (Approved) Intake

Academic Year	2022-23	2021-22	2020-21	2019-20	2018-19	2017-18
UG [4 Years Program(s)]	618	568	568	410	-	-
PG [2 Year Program(s)]	140	140	-	-	-	-

Total Actual Student Strength (Program(s) Offered by Your Institution)

(All programs of all years)	No. of Male Students	No. of Female Students	Total Students	Within State (Including male & female)	Outside State (Including male & female)	Outside Country (Including male & female)	Economically Backward (Including male & female)	Socially Challenged (SC+ST+OBC Including male & female)	No. of students receiving full tuition fee reimbursement from the State and Central Government	No. of students receiving full tuition fee reimbursement from Institution Funds	No. of students receiving full tuition fee reimbursement from the Private Bodies	No. of students who are not receiving full tuition fee reimbursement
UG [4 Years Program(s)]	1662	342	2004	311	1677	16	269	1044	283	763	0	267
PG [2 Year Program(s)]	63	21	84	15	67	2	3	32	0	18	0	17

Start up recognized by DPIIT/startup India

Name of Venture	Year of recognition by DPIIT/startup India	DPIIT/Start up India Registration No.
Nil	2022-23	0
Nil	2021-22	0
Nil	2020-21	0

Startups which have got VC investment in previous 3/5 years

Name of startups	Amount received	Organisation Name	Year of receiving VC investment
Nil	0	Nil	2022-23
Nil	0	Nil	2021-22
Nil	0	Nil	2020-21

FDI investment in previous 3/5 years

Name of startups	FDI investment received	Year of receiving FDI investment
Nil	0	2022-23
Nil	0	2021-22
Nil	0	2020-21

Innovation grant received from govt. organization in previous 3/5 years

Name of Government organisation from which grant is received	Amount of Grant received	Year of receiving grant
Nil	0	2022-23
Nil	0	2021-22
Nil	0	2020-21

Patents

Calendar year	2022	2021	2020
No. of Patents Published	40	4	4
No. of Patents Granted	1	2	0

Innovations at various stages of Technology Readiness Level

Number of innovations	Stage of technology
FPGA based Hardware Implementation of a Digital Watermarking Scheme for Video Authentication	Level 3
Energy Efficient Hardware Implementation of Machine Learning Model	Level 3
acquisition HRV Signals need to develop hardware so that data can store in PC.	Level 3
To make a IoT based system to estimate the shelf life of perishable products	Level 3
Design and Development of Radio Frequency Rectifier Integrated Antenna Sytem for Wireless Power Trasfer (WPT)	Level 5
E Seed Sowing Pesticide Sprayer	Level 3
Development of 6LoWPAN-based home automation device with energy harvesting	Level 4
Early detection of DDoS attacks against SDN controllers	Level 3
Tracking System for Mining Workers in Mines	Level 3
AI enable robotic trash boat to drive and harvest floating trash from urban drains	Level 3
Optical Drop Counter	Level 4
Task lighting system for dental surgeon	Level 3
Low-cost portable Bio Gas plant for energy self-reliance of rural areas	Level 3
Image based soil quality measuring device	Level 4
AI-based interactive robot for elderly care	Level 3
Exploration of Mobile Phone Radiation Shield	Level 5
Portable solar charger with light for cyclist	Level 5
Fake Emotion Detection	Level 4
Contactless IOT Doorbell & Security System	Level 3
Wearable Device to Measure Human Stress	Level 4
Smart Helmet with Solar Charger	Level 4

IoT Based Smart Street Light Management System	Level 4
Automated Sanitiser Dispensing and Monitoring System	Level 3
Design and development of a real time health monitoring system	Level 3
Black Box for Road Vehicles	Level 3
Automatic Solar Tracker	Level 4
Ultrasonic walking shoes for assisting the visually impaired in navigation.	Level 3
Water Management using IoT and Blockchain	Level 3
Book Stand - cum Dining Table for Hospital/Domestic Use	Level 4
Distributed drinking water quality monitoring and management for Indian rural areas	Level 3
Real time monitoring of pollutant level in water bodies	Level 3
Smart Anti-Theft System	Level 4
Wayfinding system design of IIITDMJ	Level 3
SHOCK absorber based energy harvesting suspension for electric vehicle	Level 3
Artificial intelligence-based low-power, low-cost hand-held device for the screening of retinal diseases	Level 3
ERGONOMIC DESIGN OF SLEEPING SYSTEM IN PRONE POSITION POST RETINAL SURGERY	Level 3
Solar Tracking System	Level 3
Signal Actuation Circuit For Capacitive Gas Sensor	Level 3
Design and Development of Smart Lock	Level 3
Semantic segmentation of biomedical images using link-net	Level 3
Health Monitoring system	Level 3
Automatic seed sowing Robot	Level 3
Development of smart attendance recording and management system (Mobile App development)	Level 4
Design and Multilevel RRAM based memory	Level 3
Design and Fabrication of a wireless animatronic hand	Level 3
Smart Water Waste Collecting Robot	Level 3
Contactless temperature monitoring and automatic door handling system for Covid safety	Level 4
Design and Fabrication of a Device for Visually Impaired Pedestrians	Level 5
Design and development of robotic glove for rehabilitation of disabled person	Level 3
Safety device for elderly people capable of Real time Monitoring	Level 4
Developing a smart penalty system for exceeding (violating) the maximum vehicle speed rule using location data analytics	Level 3
Device to measure quality of sleep	Level 4
Device to measure human stress and its consequence on life-style diseases like diabetes	Level 4
Design and Development of an AI- based Irrigation System	Level 3

DESIGN AND DEVELOPMENT OF LOW COST ADAS SYSTEM	Level 3
Smart Laptop Cooling Pad	Level 3
Lightweight cryptography for IoT using FPGA	Level 3
Smart Energy Meter	Level 4
Therapeutic Device for Lower Knee for Osteoarthritis patients	Level 3
Geriatric Product Design for safety	Level 3
Design and Development of Integrated Health Management App for PHC	Level 3
Smart Door for home	Level 3
A Smart Chair	Level 4
Design and Development of women safety device	Level 3
Smart Restaurent	Level 3
Institute Meal Management System	Level 3
SMART SPRINKLER IRRIGATION	Level 3
Iot based Pet Feeder	Level 3
Automatic Lawn Mover	Level 4
Intelligent Robot: For Health Care	Level 3
Disaster Alert System with Integration of Unmanned Aerial Vehicle	Level 3
Smart Bottle	Level 3
Autonomous Ground Vehicle Model	Level 3
Automated Offline Attendance Marking Solution	Level 3
Smart Biophilic Air Enhancer	Level 3
Interactive game design for disabled children	Level 4
Smart water management system	Level 4
SMART SEARCH AND RESCUE OPERATION HANDLING IN NATURAL DISASTER AFFECTED AREA	Level 3
Early detection of Heart Attack	Level 3
Wearable device for elderly care	Level 3
Autonomous Grass Cutter Mobile robot	Level 3
monitoring trash bins in real time and waste material management	Level 3
Tagging and Tracking for an animal	Level 3
IoT doorbell security system	Level 3
SMART AND ENERGY EFFICIENT ROOM AUTOMATED SYSTEM	Level 3
Continuous Glucose Monitoring using Non-invasive Approach	Level 3
SURVEILLANCE ROBOT	Level 3

6 Lead ECG capturing device	Level 4
hand gesture motion control vehicle	Level 3
IoT based auto-watering irrigation system	Level 3
Automatic Hand Sanitizer	Level 3
Privacy enhancing biometric smart cards	Level 3
Development of Intelligent Seed Drill	Level 8
Design of a Frugal Laundry Solution	Level 7
Design Solutions with technological interventions of walker for paitents and the elderly	Level 7
Smart Street Lights	Level 9
Study of post-harvest processes and development of "smart solar dryer for agricultural produce ".	Level 9
A project entitled " Smart Room Ventilator (SRV)	Level 4
Implementation of "Smart Agriculture Solution	Level 4
Ergonomics Design Interventions in hand blcok Bagh printing of Madhya Pradesh	Level 4
Design and development of Bio Gas Plant	Level 3
Resuscitation Device (CPR device) with Double Air Suction	Level 4
Integrated Solid waste Management System (ISWM)	Level 6
Blockchain Technology Enabled Plant Disease Control System	Level 4
Smart Irrigation using sensor for measuring soil Moisture	Level 3
Forecasting of Air Pollution using Deep Learning	Level 4
Design of rechargeable/automatic electric toothbrush	Level 1
Grain Shield: The real safeguard for grains	Level 1
Design of a lamp by rainwater harvesting	Level 4
Wearable Internet of Things enabled device for sleep quality Measurement	Level 3
Deep learning model for forecasting electricity usage	Level 3
Heat sink for microelectronic chip cooling applications	Level 4
Bot	Level 3
Smart solar panel Cleaner Robot Using Android	Level 4
Intelligent Shoes	Level 5
Smart mirror for vehicles	Level 4
Ayurveda Based Pulse Monitoring Device	Level 1
Unmanned Ground Vehicle	Level 3
Disinfection Robot	Level 3
Design and Fabrication of Smart Fire Extinguisher using Voice Control Robot	Level 4

Wall climbing robot for wall cleaning	Level 3
Water Purification System	Level 4
Design and fabrication of smart IOT-based solar drip irrigation system for farmers	Level 3
Artificial intelligence based hardware prototype for BCI	Level 3
Smart robot for agriculture	Level 4
Brain Computer Interface for Wheelchair Movement	Level 4
Mine Worker Safety Helmet	Level 3
FPGA based Design and Implementation of Dice Game	Level 4
Conducting Polymer Tactile Sensor	Level 3
Design and fabrication of low cost multifunctional cutter for farmers.	Level 4
Plant Diseses Identification using automated Drone Designing	Level 4
E-Paddy Transplanter using Mobile Technology	Level 3
IoT Based Life Span Detection of Goods(Detecting the real-time Shelf Life of Tomatoes during transportation)	Level 3
Transfer Learning-based Automatic COVID-19 Detection using Texture Improved Chest X-Ray Radiographs	Level 3
Design and Fabrication of 360° Flexible Smart Manufacturing Polishing Tool.	Level 3
A Portable Smart Integrated Bunker for security Forces	Level 2
FPGA Based Implementation of Digital Circuits.	Level 4
PCB FABRICATION	Level 5
GEO FENCING FOR LOW FLYING OBJECTS	Level 3
Smart multilingual transceiver device for Indian language	Level 3
Design and analysis of forest Map using 3D Design Software	Level 3
Design of a Solar Tracker using Origami Technique	Level 4
Automatic System For Identification of Disorder using Biomedical Signals	Level 4
Design of a Portable Water Purifier	Level 5
Design and Development of Smart Toy	Level 5
Semantic Segmentation of biomedical images using U-net	Level 3
Portable Environmental Hazardous material segregator from E-waste	Level 3
To design and fabricate a device for rose grafting. For grafting of the roses	Level 3
Design and fabrication of Regent Replacement based Ammonia Sensor System for Aquaculture Farming	Level 3
Mobility Solution w.r.t Electric Vehicles	Level 4
Prototyping of customized frequency selective EMI shielding box for 5G applications	Level 3
VLC transceiver for Li-Fi	Level 4
Design flex sensor cable for slope stability monitoring in open pit mine	Level 3

Fetus heart rate monitor	Level 3
Battery Power Management System	Level 4
Inflatable splints for supporting the injured limbs of players in soccer.	Level 4
Fabrication of nanostructured TiO2 nanotubes	Level 4
Smart Digital Pen for E-Verification	Level 3
Design and Development of Antenna Positioners for Pattern Measurement	Level 6

Ventures/startups grown to turnover of 50 lacs

Name of startups	Company's Turnover	Financial Year
Nil	0	2022-23
Nil	0	2021-22
Nil	0	2020-21

Alumni that are Founders of Forbes/Fortune 500 companies

Name of the Alumni	Program passed from	Year of passing	Founder of company
Mr Uttam Lahera	PDPM IIITDM Jabalpur	2021	Soupx-sip of Health

Pre-incubation:expenditure/income

Financial Year	2022-23	2021-22	2020-21
Number of Pre-incubation units	0	0	0
Expenditure on pre-incubation activities	0	0	0
Income generated by institution through pre-incubation activities	0	0	0

Incubation:expenditure/income

Financial Year	2022-23	2021-22	2020-21
Number of Incubation units	3	2	0
Expenditure on Incubation activities	0	0	0
Income generated by institution through Incubation activities	0	0	0

Faculty Details

Srno	Name	Age	Designation	Gender	Qualification	Experience (In Months)	Currently working with institution?	Joining Date	Leaving Date	Association type
1	Amit Vishwakarma	33	Assistant Professor	Male	Ph.D	40	Yes	16-03-2020	--	Regular
2	Avinash Chandra Pandey	36	Assistant Professor	Male	Ph.D	161	Yes	05-08-2021	--	Regular
3	Deepmala	38	Assistant Professor	Female	Ph.D	117	Yes	07-11-2016	--	Regular

4	Ishad Ahmad Ansari	35	Assistant Professor	Male	Ph.D	88	No	30-06-2017	14-06-2023	Regular
5	Mamta Anand	46	Assistant Professor	Female	Ph.D	240	Yes	18-07-2011	--	Regular
6	Mukesh Kumar Roy	49	Assistant Professor	Male	Ph.D	205	Yes	07-07-2006	--	Regular
7	P V Rajeev	49	Professor	Male	Ph.D	312	No	29-09-2023	08-12-2023	Visiting
8	Pushpa Raikwal	38	Assistant Professor	Female	Ph.D	110	Yes	04-03-2020	--	Regular
9	Saurabh Garg	35	Assistant Professor	Male	Master of Design	154	No	08-08-2022	09-12-2022	Visiting
10	Sunit Kumar Singh	52	Dean / Principal / Director / Vice Chancellor	Male	Ph.D	204	No	29-08-2023	08-11-2023	Visiting
11	Vijaypal Singh Rathor	34	Assistant Professor	Male	Ph.D	62	Yes	06-08-2021	--	Regular
12	Abhishek Verma	30	Assistant Professor	Male	Ph.D	29	No	02-08-2021	24-05-2023	Regular
13	Asish Kumar Kundu	46	Associate Professor	Male	Ph.D	200	Yes	13-07-2009	--	Regular
14	Chandni Kumari	33	Assistant Professor	Female	Ph.D	60	No	16-08-2023	08-12-2023	Visiting
15	Harpreet Singh	38	Assistant Professor	Male	Ph.D	117	No	08-05-2017	25-01-2023	Regular
16	Kusum Kumari Bharti	37	Assistant Professor	Female	Ph.D	95	No	09-09-2016	05-09-2023	Regular
17	Matadeen Bansal	44	Assistant Professor	Male	Ph.D	156	Yes	29-07-2013	--	Regular
18	Nihar Kumar Mahato	38	Assistant Professor	Male	Ph.D	119	Yes	30-08-2013	--	Regular
19	Pritee Khanna	53	Professor	Female	Ph.D	275	Yes	03-01-2006	--	Regular
20	Sangeeta Pandit	42	Assistant Professor	Female	Ph.D	130	Yes	03-06-2013	--	Regular
21	Sujoy Mukherjee	45	Assistant Professor	Male	Ph.D	152	Yes	06-08-2012	--	Regular
22	Varun Bajaj	39	Associate Professor	Male	Ph.D	131	Yes	04-09-2013	--	Regular
23	Atul Gupta	54	Professor	Male	Ph.D	354	Yes	25-03-2010	--	Regular
24	Amresh Chandra Mishra	39	Assistant Professor	Male	Ph.D	153	Yes	21-01-2013	--	Regular
25	Ayan Seal	40	Assistant Professor	Male	Ph.D	107	Yes	01-09-2014	--	Regular
26	Dinesh Kumar Vishwakarma	52	Professor	Male	Ph.D	284	Yes	17-08-2009	--	Regular
27	J Al Muzzamil Fareen	48	Assistant Professor	Female	Ph.D	219	Yes	19-11-2019	--	Regular
28	Manish Kumar Bajpai	40	Assistant Professor	Male	Ph.D	120	No	29-07-2013	22-11-2023	Regular
29	Munesh Singh	37	Assistant Professor	Male	Ph.D	74	Yes	09-08-2021	--	Regular
30	Prabin Kumar Padhy	50	Professor	Male	Ph.D	228	Yes	26-07-2007	--	Regular
31	R Seetharam	35	Assistant Professor	Male	Ph.D	48	No	15-06-2020	11-08-2023	Regular
32	Shiv Dayal Patel	41	Assistant Professor	Male	Ph.D	80	Yes	16-05-2017	--	Regular
33	Tanuja Sheorey	60	Professor	Female	Ph.D	426	Yes	29-10-2005	--	Regular

34	Vinod Kumar Jain	46	Assistant Professor	Male	Ph.D	235	Yes	29-07-2013	--	Regular
35	Abhishek Verma	35	Assistant Professor	Male	Master of Design	170	Yes	10-08-2018	--	Visiting
36	Atul Kumar	35	Assistant Professor	Male	Ph.D	75	Yes	15-05-2017	--	Regular
37	Charitha Madhukar	38	Other	Female	B.E	4	No	26-09-2022	18-10-2022	Adhoc / Contractual
38	Himanshu Sekhar Nanda	38	Assistant Professor	Male	Ph.D	70	Yes	05-10-2017	--	Regular
39	Lokendra Kumar Balyan	42	Assistant Professor	Male	Ph.D	180	Yes	07-01-2009	--	Regular
40	Mohd Zahid Ansari	45	Associate Professor	Male	Ph.D	161	Yes	05-03-2014	--	Regular
41	Nihar Ranjan Jena	44	Assistant Professor	Male	Ph.D	147	Yes	01-09-2011	--	Regular
42	Puneet Tandon	57	Professor	Male	Ph.D	421	Yes	01-08-2005	--	Regular
43	Sanjeev Narayan Sharma	53	Professor	Male	Ph.D	329	Yes	14-09-2021	--	Regular
44	Sunil Agrawal	47	Associate Professor	Male	Ph.D	205	Yes	12-07-2006	--	Regular
45	Vijay Kumar Gupta	54	Professor	Male	Ph.D	376	Yes	05-07-2007	--	Regular
46	Pankaj Sharma	38	Assistant Professor	Male	Ph.D	63	Yes	21-05-2020	--	Regular
47	Anil Kumar	42	Associate Professor	Male	Ph.D	190	Yes	30-09-2009	--	Regular
48	Bhupendra Gupta	46	Assistant Professor	Male	Ph.D	203	Yes	14-06-2007	--	Regular
49	Durgesh Singh	35	Assistant Professor	Male	Ph.D	85	Yes	17-03-2020	--	Regular
50	Kiran Gopinath	37	Assistant Professor	Male	Master of Design	144	Yes	01-09-2017	--	Visiting
51	Manoj Singh Parihar	44	Assistant Professor	Male	Ph.D	136	Yes	15-04-2013	--	Regular
52	Neelam Dayal	34	Assistant Professor	Female	Ph.D	53	Yes	15-06-2020	--	Regular
53	Prashant Kumar Jain	49	Professor	Male	Ph.D	299	Yes	01-07-2009	--	Regular
54	Ravi Panwar	35	Assistant Professor	Male	Ph.D	82	No	05-07-2017	07-09-2022	Regular
55	Subir Singh Lamba	52	Assistant Professor	Male	Ph.D	211	Yes	01-07-2006	--	Regular
56	Trivesh Kumar	39	Assistant Professor	Male	Ph.D	96	Yes	30-06-2017	--	Regular
57	Ponappa K	43	Assistant Professor	Male	Ph.D	144	Yes	02-12-2019	--	Regular
58	Aparajita Ojha	61	Professor	Female	Ph.D	464	Yes	07-12-2005	--	Regular
59	Biswajeet Mukherjee	37	Assistant Professor	Male	Ph.D	104	No	19-05-2015	22-09-2023	Regular
60	H Chelladurai	52	Assistant Professor	Male	Ph.D	292	Yes	10-08-2009	--	Regular
61	Koushik Dutta	35	Assistant Professor	Male	Ph.D	39	Yes	04-07-2020	--	Regular
62	Manu Srivastava	43	Assistant Professor	Female	Ph.D	158	Yes	12-03-2020	--	Regular
63	Neeraj Kumar Jaiswal	37	Assistant Professor	Male	Ph.D	117	Yes	07-11-2013	--	Regular
64	Pravin N Kondekar	62	Professor	Male	Ph.D	459	Yes	25-01-2010	--	Regular

65	Sachin Kumar Jain	45	Assistant Professor	Male	Ph.D	223	Yes	26-12-2007	--	Regular
66	Sudhir Kumar	55	Assistant Professor	Male	Master of Design	408	Yes	05-08-2017	--	Visiting
67	Tushar Choudhary	34	Assistant Professor	Male	Ph.D	130	Yes	09-06-2020	--	Regular
68	M Amarnath	50	Assistant Professor	Male	Ph.D	198	Yes	22-01-2008	--	Regular
69	Amrita Bhattacharjee	33	Assistant Professor	Female	Ph.D	60	Yes	22-01-2020	--	Regular
70	Bhartendu Kumar Singh	56	Dean / Principal / Director / Vice Chancellor	Male	Ph.D	216	Yes	01-05-2023	--	Other
71	Dip Prakash Samajdar	37	Assistant Professor	Male	Ph.D	132	Yes	02-05-2017	--	Regular
72	Jitendar Kumar Tiwari	28	Assistant Professor	Male	Ph.D	15	Yes	28-09-2022	--	Adhoc / Contractual
73	Manoj Kumar Panda	45	Assistant Professor	Male	Ph.D	124	Yes	09-09-2013	--	Regular
74	Navjeet Bagga	32	Assistant Professor	Male	Ph.D	26	No	17-08-2020	04-11-2023	Regular
75	Prabir Mukhopadhyay	53	Associate Professor	Male	Ph.D	248	Yes	04-05-2010	--	Regular
76	Rakesh Kumar Jha	42	Associate Professor	Male	Ph.D	144	No	13-08-2021	16-10-2023	Regular
77	Sraban Kumar Mohanty	46	Assistant Professor	Male	Ph.D	150	Yes	13-07-2011	--	Regular
78	Tripti Singh	47	Assistant Professor	Female	Ph.D	114	Yes	03-07-2017	--	Regular
79	Yashpal Singh Katharria	42	Assistant Professor	Male	Ph.D	102	Yes	07-11-2016	--	Regular