

National Institutional Ranking Framework

Ministry of Education

Government of India

Welcome to Data Capturing System: INNOVATION

Submitted Institute Data for NIRF'2024'

Institute Name: National Institute of Technology Uttarakhand [IR-I-U-0616]

Sanctioned (Approved) Intake

Academic Year	2022-23	2021-22	2020-21	2019-20	2018-19	2017-18
UG [4 Years Program(s)]	180	180	100	100	-	-
PG [2 Year Program(s)]	120	95	-	-	-	-

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)]	405	101	506	257	248	1	154	278	101	294	36	1
PG [2 Year Program(s)]	31	3	34	9	25	0	6	16	0	0	0	22

Start up recognized by DPIIT/startup India

Name of Venture	Year of recognition by DPIIT/startup India	DPIIT/Start up India Registration No.
0	2022-23	0

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

Name of startups	Amount received	Organisation Name	Year of receiving VC investment
na	0	na	2022-23

FDI investment in previous 3/5 years

Name of startups	FDI investment received	Year of receiving FDI investment
Nil	0	2022-23

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
Ministry of Education (MoE) Institute Grant allocated to Innovation Fund	1000000	2022-23
Ministry of Education (MoE) Institute Grant allocated to Innovation Fund	1000000	2021-22
Ministry of Education (MoE) Institute Grant allocated to Innovation Fund	1000000	2020-21
Design Innovation Center IIT Roorkee	0	2022-23

Design Innovation Center IIT Roorkee	0	2021-22
Design Innovation Center IIT Roorkee	4900000	2020-21

Patents

Calendar year	2022	2021	2020
No. of Patents Published	6	2	1
No. of Patents Granted	4	4	2

Innovations at various stages of Technology Readiness Level

Number of innovations	Stage of technology
Study of FeRh epitaxial films and heterostructures for spintronics applications	Level 2
Design Innovation Center	Level 4
Fabrication and Testing of Lower Limb Prosthesis for Transtibial Amputee using Biocomposites with Energy Restoring Capability	Level 4
Development and Analysis of Cancelable Biometric Template Generation for Person Identification	Level 3
Fabrication and characterization of Co- based CoPt/Pt multilayered films by Electrodeposition	Level 2
Regioselective Synthesis of Fused Polyaryl Compounds via Nucleophilic Addition to Borylbenzynes: Application to the synthesis of Topopyrone C & D	Level 3
Development of domestic cooking stove based on biomass gasification with porous radiant burner	Level 2
Solar powered robust E-Rickshaw control with bidirectional DC-DC converter using regenerative cycle boost charging	Level 6
Development of empirical model for fundamental natural period of buildings constructed in hilly terrains	Level 4
Synthetic, Structural and Optical Aspects of Photoactive MOFs	Level 4
Special Manpower Development Programme - Chip to System Design (SMDP-C2SD)	Level 3
DECONET- DECONET- DEVELOPMENT OF INDIGENOUS SYSTEM FOR DECIPHERING ENVISIONED SPEECH FROM EEG SIGNALS USING OPTIMIZED DEEP CONVOLUTIONAL NEURAL NETWORK MODELS	Level 3

Ventures/startups grown to turnover of 50 lacs

Name of startups	Company's Turnover	Financial Year
Na	0	2022-23
na	0	2021-22
na	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
na	na	0	0

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	0	0	0
Expenditure on Incubation activities	0	0	0
Income generated by institution through Incubation activities	0	0	0

FDP

Academic year	Title of Course	FDP Sponsored /Supported by	Certificate Program Offering Department/Centre/ Unit Name	Program Start Date	Program End Date
2022-23	3D Printing applications and its Potential for Enterprenurship	Institute	Mechanical Engineering (Dr. San	2023-09-28	2023-10-02
2021-22	Startup and Entrepreneurship Skills Attitude and Behaviour Development	IIC cell	Institute Innovation Council	2022-02-16	2022-02-20
2021-22	Design Thinking Critical Thinking and Innovative Design	IIC cell	Institute Innovation Council	2022-02-24	2022-02-28
2021-22	WORKSHOP ON PROTOTYPE PROCESS DESIGN AND DEVELOPMENT	IIC cell	Institute Innovation Council	2022-02-28	2022-03-04
2021-22	Research Trends in Security and Computing	Institute	R&C	2022-02-28	2022-03-04
2021-22	Capacity Building for Productivity Enhancement	Institute	Department of Civil Engineering	2022-05-31	2022-06-04
2021-22	National Education Policy (NEP) 2020- Challenges in Implementation in HEIs	Institute	Department of Civil Engineering	2022-06-10	2022-06-10
2022-23	Pragmatic approach toward Innovations in Product Design and Manufacturing	IIC cell NIT UK and IIC cell IIT Roorkee	Design innovation centre (DIC) with the Design Innovation Center, IIT Roorkee	2022-07-04	2022-07-08
2022-23	Brainstorming and Innovative ideas for Startup and Entrepreneurship	Institute	R&C	2022-07-18	2022-07-22
2022-23	Workshop on Patent Search and Drafting	Institute	R&C	2022-08-29	2022-08-30
2022-23	Online workshop on IPR & Patents, Designs filing	Institute & RGNIIIPM	R&C jointly with RGNIIIPM	2022-09-16	2022-09-20
2022-23	ATAL FDP	AICTE	Department of Computer Science Engineering	2022-11-07	2022-11-11
2022-23	Entrepreneurship and Innovation as carrier opportunity	IIC cell	Design innovation centre (DIC)	2023-01-04	2023-01-08
2020-21	Frontier Areas of Electronics and Communication Engineering	Institute	Short-term Certificate Program	2021-09-27	2021-10-01
2020-21	Recent Advancements in Micro manufacturing	Institute	Department of Mechanical Engineering	2021-11-22	2021-11-27

2020-21	Novel materials Processing Characterization and Application	Institute	Department of Mechanical Engineering	2022-05-23	2022-05-27
---------	---	-----------	--------------------------------------	------------	------------

Academic Courses in Innovation, Entrepreneurship and IPR

Academic year	Title of Course	Course Code	Type of Course	Level of Course(UG/PG/PhD)	Course Offering Department/Centre/ UnitName	Total Credit Score
2022-23	na	0	Elective Course	na	na	0

Faculty Details

Srno	Name	Age	Designation	Gender	Qualification	Experience (In Months)	Currently working with institution?	Joining Date	Leaving Date	Association type
1	Dahiya Amardeep	38	Assistant Professor	Male	Ph.D	99	Yes	08-05-2015	--	Regular
2	Dr Rashmi Raina	32	Assistant Professor	Female	Ph.D	10	No	02-09-2022	12-07-2023	Adhoc / Contractual
3	Hardeep Kumar	41	Assistant Professor	Male	Ph.D	105	Yes	21-06-2018	--	Regular
4	Kamal Kumar	45	Assistant Professor	Male	Ph.D	272	No	09-07-2018	13-12-2023	Regular
5	Kumar Parveen	38	Assistant Professor	Male	Ph.D		No	02-07-2014	14-11-2022	Regular
6	Nitanshu Chauhan	31	Assistant Professor	Male	Ph.D	97	Yes	03-07-2015	--	Regular
7	Rakesh Pawan Kumar	41	Assistant Professor	Male	Ph.D	125	Yes	12-06-2018	--	Regular
8	Sarita Yadav	31	Assistant Professor	Female	Ph.D	109	Yes	02-07-2014	--	Regular
9	Singh Maheep	42	Assistant Professor	Male	Ph.D	121	Yes	05-07-2013	--	Regular
10	Tajinder Singh Arora	44	Assistant Professor	Male	Ph.D	263	No	29-06-2018	30-06-2023	Regular
11	Apurba Mandal	41	Assistant Professor	Male	Ph.D	121	Yes	02-07-2013	--	Regular
12	Deshmukh Maroti Bhujangrao	35	Assistant Professor	Male	Ph.D	108	Yes	31-07-2014	--	Regular
13	Goel Tushar	35	Assistant Professor	Male	Ph.D	108	Yes	28-07-2014	--	Regular
14	Jain Kranti	45	Assistant Professor	Male	Ph.D	97	Yes	12-06-2018	--	Regular
15	Kumar Abhimanyu	37	Assistant Professor	Male	Ph.D	85	Yes	17-06-2016	--	Regular
16	Muskan Mayank	32	Assistant Professor	Male	Ph.D	109	Yes	11-07-2014	--	Regular
17	Prashant Tiwari	32	Assistant Professor	Male	Ph.D	97	Yes	13-07-2015	--	Regular
18	Rohit Kumar	29	Assistant Professor	Male	Ph.D	97	Yes	03-07-2015	--	Regular
19	Shashank Bhatra	32	Assistant Professor	Male	Ph.D	109	Yes	11-07-2014	--	Regular
20	Sneha Chauhan	29	Other	Female	Ph.D	85	Yes	23-06-2016	--	Regular
21	Dangwal Renu Bhadola	44	Assistant Professor	Female	Ph.D	121	Yes	13-06-2018	--	Regular
22	Dwivedi Prakash	36	Assistant Professor	Male	Ph.D	125	Yes	12-06-2018	--	Regular
23	Hariharan Muthusamy	42	Associate Professor	Male	Ph.D	160	Yes	28-06-2018	--	Regular

24	Kandwal Pankaj	37	Assistant Professor	Male	Ph.D	120	Yes	15-06-2018	--	Regular
25	Laju A R	36	Assistant Professor	Male	Ph.D		No	14-07-2014	18-10-2022	Regular
26	Nitesh Kumar	30	Other	Male	M.Tech	97	Yes	02-07-2015	--	Regular
27	Rampal Pandey	41	Assistant Professor	Male	Ph.D	132	Yes	09-07-2018	--	Regular
28	Sharma Hitesh	37	Assistant Professor	Male	Ph.D	99	Yes	14-05-2015	--	Regular
29	Singh Surendra	37	Assistant Professor	Male	Ph.D	108	Yes	30-07-2014	--	Regular
30	Vikas Pratap Singh	42	Assistant Professor	Male	Ph.D	161	Yes	28-06-2018	--	Regular
31	Bibhash Kumar	32	Assistant Professor	Male	Ph.D	109	Yes	09-07-2014	--	Regular
32	Dharmendra Tripathi	40	Associate Professor	Male	Ph.D	161	Yes	26-06-2018	--	Regular
33	Gupta Tripuraru Nath	36	Assistant Professor	Male	Ph.D	108	Yes	30-07-2014	--	Regular
34	Kaloni Smita	35	Assistant Professor	Female	Ph.D	121	Yes	03-07-2013	--	Regular
35	Kumar Krishan	35	Assistant Professor	Male	Ph.D		No	10-07-2014	14-11-2022	Regular
36	Nagpure Indrajit Manohar	43	Assistant Professor	Male	Ph.D	124	Yes	13-06-2018	--	Regular
37	Prof Lalit Kumar Awasthi	57	Dean / Principal / Director / Vice Chancellor	Male	Ph.D	420	Yes	09-02-2022	--	Other
38	Sanat Agarwal	59	Associate Professor	Male	Ph.D	247	Yes	28-06-2018	--	Regular
39	Singh Dheerendra Bahadur	39	Assistant Professor	Male	Ph.D	122	Yes	12-06-2018	--	Regular
40	Sreehari Dungali	33	Assistant Professor	Male	Ph.D	109	Yes	15-07-2014	--	Regular
41	Abhinav Kumar	33	Assistant Professor	Male	Ph.D	97	Yes	01-07-2015	--	Regular
42	De Saroj Ranjan	41	Assistant Professor	Female	Ph.D	123	Yes	15-06-2018	--	Regular
43	Gangolu Suryanarayana	36	Assistant Professor	Male	Ph.D	109	Yes	15-07-2014	--	Regular
44	Himesh Kumar	29	Other	Male	M.Tech	85	Yes	14-06-2016	--	Regular
45	Khatri Manvendra Singh	45	Assistant Professor	Male	Ph.D	125	Yes	12-06-2018	--	Regular
46	Lalta Prasad	50	Associate Professor	Male	Ph.D	334	Yes	29-08-2018	--	Regular
47	Pal Pankaj Kumar	37	Assistant Professor	Male	Ph.D	86	Yes	16-05-2016	--	Regular
48	Rawat Mahiraj Singh	38	Assistant Professor	Male	Ph.D	121	Yes	01-07-2013	--	Regular
49	Sharma Kuldeep	45	Assistant Professor	Male	Ph.D	122	Yes	13-06-2018	--	Regular
50	Singhal Kumar Hemant	33	Assistant Professor	Male	Ph.D		No	08-05-2015	23-09-2022	Regular
51	Vinod Singh Yadav	39	Assistant Professor	Male	Ph.D	145	Yes	20-06-2018	--	Regular
52	Bose Sourav	36	Assistant Professor	Male	Ph.D	121	Yes	01-07-2013	--	Regular
53	Dr Kusum Sharma	38	Assistant Professor	Female	Ph.D	202	Yes	18-06-2018	--	Regular

54	Gurinder Singh Brar	47	Associate Professor	Male	Ph.D	259	Yes	10-07-2018	--	Regular
55	Kamal Kant Tiwari	42	Assistant Professor	Male	Ph.D	132	Yes	13-06-2018	--	Regular
56	Kumar Nitin	35	Assistant Professor	Male	Ph.D	121	No	24-07-2013	08-05-2023	Regular
57	Narayan Shashi	34	Assistant Professor	Male	Ph.D	109	Yes	01-07-2014	--	Regular
58	Rakesh Kumar Mishra	40	Assistant Professor	Male	Ph.D	194	Yes	25-06-2018	--	Regular
59	Sarika Pal	43	Assistant Professor	Female	Ph.D	243	Yes	20-06-2018	--	Regular
60	Singh Ghanapriya	35	Assistant Professor	Female	Ph.D		No	12-07-2013	21-11-2022	Regular
61	Sudhakar T	32	Assistant Professor	Male	Ph.D	98	Yes	09-06-2015	--	Regular
62	Anupam Aditya Kumar	38	Assistant Professor	Male	Ph.D	109	Yes	12-06-2018	--	Regular
63	Deepak Kumar	32	Assistant Professor	Male	Ph.D	109	Yes	11-07-2014	--	Regular
64	Gaurav Kumar	30	Assistant Professor	Male	Ph.D	109	No	11-07-2014	16-10-2023	Regular
65	Jagrati Sahariya	38	Assistant Professor	Female	Ph.D	119	Yes	28-06-2018	--	Regular
66	Kukshal Vikas	38	Assistant Professor	Male	Ph.D	121	Yes	08-07-2013	--	Regular
67	Mishra Niraj Kumar	37	Assistant Professor	Male	Ph.D	86	Yes	02-06-2016	--	Regular
68	Prajapati Yogesh Kumar	40	Assistant Professor	Male	Ph.D	85	No	16-06-2016	13-01-2023	Regular
69	Rayudu V G Durgarao	38	Assistant Professor	Male	Ph.D		No	11-07-2014	14-11-2022	Regular
70	Sharma Nitin	42	Assistant Professor	Male	Ph.D	121	Yes	12-06-2018	--	Regular
71	Siva Kumar Tadepalli	45	Assistant Professor	Male	Ph.D	238	Yes	26-06-2018	--	Regular
72	Vivek Kumar	30	Other	Male	Ph.D	86	Yes	01-06-2016	--	Regular