National Institutional Ranking Framework
Ministry of Education
Government of India

Data Submitted by Institution for India Rankings '2024'

Institute Name: Indian Institute of Science, Bengaluru [IR-I-U-0220]

Sanctioned (Approved) Intake

Academic Year	2022-23	2021-22	2020-21	2019-20	2018-19	2017-18
UG [4 Years Program(s)]	150	137	120	120	-	-
PG [2 Year Program(s)]	593	523	-	-	-	-
PG [3 Year Program(s)]	32	34	28	-	-	-

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)]	463	76	539	75	453	11	44	269	0	0	105	208
PG [2 Year Program(s)]	929	196	1125	68	1056	1	144	540	0	0	194	490
PG [3 Year Program(s)]	105	24	129	11	111	7	15	37	0	0	17	35

Start up recognized by DPIIT/startup India

Name of Venture	Year of recognition by DPIIT/startup India	DPIIT/Start up India Registration No.
Green Collar Agritech Pvt Ltd	2022-23	109821
Kaiza Health Care Pvt Ltd	2020-21	61722
Nabhdrishti Aerospace Pvt Ltd	2022-23	137008
SyncSense Technologies Pvt Ltd	2021-22	114305
Zylu Business Solutions Pvt Ltd	2021-22	116654
Cellsion Technologies Pvt Ltd	2021-22	108465
Ecobloom Pvt Ltd	2022-23	128106
Divisha Innovations Pvt Ltd	2022-23	111919
Qualivon Technologies Pvt Ltd	2022-23	53627
Aagyavision Pvt Ltd	2021-22	97477
Fanplay IOT Pvt Ltd	2020-21	71979
Reti Ecotech LLP	2021-22	95754

Spacefields Pvt Ltd	2021-22	90001
HEM Dimensions Pvt Ltd	2022-23	107791
GridSentry Pvt Ltd	2021-22	90162
Scilogic Applied Research Pvt Ltd	2022-23	115193
Zenteiq Edtech Pvt Ltd	2022-23	95989
Indiaspeaks PR Pvt Ltd	2021-22	85045
Botloka Pvt Ltd	2021-22	87921
Magheals Pvt Ltd	2021-22	92584
Pantherun Technologies Pvt Ltd	2020-21	85710
Papyrus Diagnostics Pvt Ltd	2021-22	92108
Banyan Intelligence Pvt Ltd	2021-22	90595
QuanD Technologies Pvt Ltd	2021-22	100310
Gyroid Photonics and Innovation Pvt Ltd	2021-22	86418
Theranautilus Pvt Ltd	2020-21	101104
Indiriya Sensotech Pvt Ltd	2020-21	87127
TIEA Connectors Pvt Ltd	2020-21	59520
Delta X Automotiv Pvt Ltd	2020-21	61938
Meukron Tech Pvt Ltd	2022-23	103716
DensePower Pvt Ltd	2021-22	86001
Infab Semiconductors Pvt Ltd	2021-22	92241
SuperQ Technologies Pvt Ltd	2020-21	82006
Hoysan Labs Pvt Ltd	2021-22	82210
Dfine Bio Innovations Pvt Ltd	2020-21	80717
Kalash MedTech Pvt Ltd	2021-22	77731
Kristelle Dental Implants Pvt Ltd	2021-22	80300
Trachealth Tech Pvt Ltd	2020-21	76888
Aarnaq MedTech Pvt Ltd	2020-21	114567
Yosi Innovation Pvt Ltd	2020-21	132257
Swithckase Tech Pvt Ltd	2020-21	138750
Vetrisolve Medtech Pvt Ltd	2020-21	137856
Maithra MedTech Pvt Ltd	2020-21	130616

Startups which have got VC investment in previous 3 years

Name of startups	Amount received	Organisation Name	Year of receiving VC investment

AI Health Highway Pvt Ltd	50000000	Social Alpha Keiretsu etc	2020-21
Indiaspeaks Research Pvt Ltd	20000000	TANSIM	2022-23
Pantherun Technologies Pvt Ltd	275600000	Capital TwoB	2022-23
TIEA Connectors	60000000	Multiple Angels	2022-23
Avgarde	40000000	Multiple Angels	2022-23
Mynvax Pvt Ltd	800000000	OneCrowd and others	2022-23
Astrome Technology Pvt Ltd	280000000	IAN	2021-22
Digantara Research and Tech Pvt Ltd	830000000	Peak XV Kalaari etc	2022-23

FDI investment in previous 3 years

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

Innovation grant received from govt. organization in previous 3 years

Name of Government organisation from which grant is received	Amount of Grant received	Year of receiving grant
DPIIT SISF	21000000	2021-22
DPIIT SISF	15750000	2022-23
Atal Innovation Mission Niti Aayog	2786833	2020-21
MEITY TIDE	6120550	2020-21
MEITY TIDE	6891160	2021-22
MEITY TIDE	3097680	2022-23
MEITY GEECI	2101600000	2021-22
GOK TBI INCENSE	3500000	2021-22
GOK TBI CPDMED	34522974	2020-21
GOK TBI CPMDED	1742026	2021-22

Patents

Calendar year	2022	2021	2020
No. of Patents Published	165	50	30
No. of Patents Granted	62	38	29

Patents Commercialized & Technology Transferred

Calendar year	2022	2021	2020
No. of Patents Published	6	9	7

Innovations at various stages of Technology Readiness Level

Innovation Name	Stage of technology	Financial Year
A Reflector Assembly and a method of constructing thereof	Level 9	2022-23
A method to induce therapeutic translational readthrough across disease-causing premature stop codons	Level 3	2021-22
A novel yeast expression system for production of recombinant proteins	Level 9	2022-23
ReAl-LiFE - GPU accelerated brain connectome discovery	Level 7	2022-23
Flexible Hydrogen Sensing Tapes	Level 5	2022-23
Aluminium-doped copper and molybdenum disulphide catalysts for electrochemical CO_2 reduction to CH_4	Level 1	2022-23
Geocell Anchor Cage System	Level 9	2022-23
Textured geogrids	Level 9	2022-23
Develollpment of paver blocks using waste materials from steel industry using alkali activation process.	Level 7	2021-22
Road Asset Management System	Level 4	2022-23
IISc-Ped-Sense(IPS): A machine learning based non-intrusive crowd parameter estimation tool for Indian scenarios	Level 3	2022-23
Arsenic remediation scheme	Level 4	2022-23
Curcumin isolation scheme	Level 5	2022-23
Anti-cancer compounds for ovarian cancer	Level 5	2022-23
Drug screening platform	Level 4	2020-21
Raman spectroscopy for Bacterial identificaton	Level 5	2021-22
Repruposed drugs to target metastatic niche of ovarian cancer in combination with chemotherapy	Level 3	2022-23
Dual-sided actuation for diamagnetically levitated stages	Level 3	2022-23
Parametrically excited magnetic micro-particles	Level 3	2022-23
Dual-stage compliant mechanical amplifiers	Level 3	2022-23
Light Sheet Cytometry	Level 1	2020-21
Scanning Super-resolution MicroscopyLightsheet Optical Tweezer	Level 1	2021-22
Lightsheet Optical Tweezer	Level 1	2022-23
Downscaled GRACE satellite data	Level 5	2022-23
Trial Licence Agreement on SiC production process with CUMI, India	Level 8	2021-22
Heat tolerant COVID vaccine formulations	Level 5	2022-23
Novel antimicrobial peptides	Level 3	2022-23
Organic light emitting diodes	Level 2	2022-23
T2 Dent- Endosseous dental implant system	Level 8	2022-23
Optical method to quantify layer number in two-dimensional materials	Level 2	2022-23

Robotic hand for rehabilitation of stroke patients	Level 3	2021-22
Affordable 3D printed microscope for School students	Level 3	2022-23

Ventures/startups grown to turnover of 50 lacs

Name of startups	Company's Turnover	Financial Year
AI Health Highway Pvt Ltd	5500000	2022-23
Avgarde Systems Pvt Ltd	23400000	2021-22
Avgarde Systems Pvt Ltd	12300000	2022-23
Avgarde Systems Pvt Ltd	8671000	2020-21
TIEA Connectors	36800000	2022-23
LabMarket Pvt Ltd	11789010	2020-21
LabMarket Pvt Ltd	7501220	2021-22
LabMarket Pvt Ltd	20912920	2022-23
Digantara Research Pvt Ltd	6243000	2022-23
Bellatrix Aerospace Pvt Ltd	6955579	2022-23
Bellatrix Aerospace Pvt Ltd	23193944	2021-22
Digantara Aerospace Pvt Ltd	6243230	2022-23
Polymage Labs Pvt Ltd	38900000	2022-23
PathShodh Pvt Ltd	17635537	2020-21
General Aeronautics Pvt Ltd	12848261	2020-21
General Aeronautics Pvt Ltd	20019249	2021-22
General Aeronautics Pvt Ltd	82870383	2022-23

Alumni that are Founders of Forbes/Fortune 500 companies

Name of the Alumni	Program passed from	Year of passing	Founder of company	Year in which company appeared in Forbes / Fortune 500
na	na	0	na	0

Pre-incubation:expenditure/income

Financial Year	2022-23	2021-22	2020-21
Number of Pre-incubation units	2	2	2
Expenditure on pre-incubation activities	905082	0	0
Income generated by institution through pre-incubation activities	3972756	0	0

Incubation:expenditure/income

Financial Year	2022-23	2021-22	2020-21
Number of Incubation units	6	6	6
Expenditure on Incubation activities	275497680	2172295942	88511857
Income generated by institution through Incubation activities	949788580	129008911	124965001

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	Cybersecurity training for faculty of polytechnic colleges	Experts from various industrie	CySecK	2022-10-10	2022-10-15
2022-23	Cybersecurity training for faculty of engineering colleges	Cisco Systems India Pvt. Ltd.	CySecK and CCE	2023-03-27	2023-03-31
2022-23	Lightning protection to tall structures & Electronic equipment's	HAL-IISc SDC	HAL-IISc Skill Dev Center, IIS	2022-07-20	2022-07-20
2022-23	Do Drones	HAL-IISc SDC	HAL-IISc Skill Dev Center, IIS	2022-11-16	2022-11-18
2022-23	Electric Vehicles Issues Standardization	HAL-IISc SDC	HAL-IISc Skill Dev Center, IIS	2023-01-09	2023-01-13
2022-23	Advanced skill training to Electrical Engineers	HAL-IISc SDC	HAL-IISc Skill Dev Center, IIS	2023-01-16	2023-01-16
2022-23	AI for UI/UX design	HAL-IISc SDC	HAL-IISc Skill Dev Center, IIS	2023-02-13	2023-02-17
2022-23	Augmented & Virtual reality	HAL-IISc SDC	HAL-IISc Skill Dev Center, IIS	2023-02-20	2023-02-24
2022-23	3-D Printing & PCB Design	HAL-IISc SDC	HAL-IISc Skill Dev Center, IIS	2023-03-18	2023-03-19
2021-22	Renewable Energy Applications	HAL-IISc SDC	HAL-IISc Skill Dev Center, IIS	2022-09-01	2022-09-01
2021-22	Design & Practical Implementation of PCB	HAL-IISc SDC	HAL-IISc Skill Dev Center, IIS	2021-09-28	2021-09-30
2021-22	IoT & Embedded Applications	HAL-IISc SDC	HAL-IISc Skill Dev Center, IIS	2021-10-08	2021-10-09
2021-22	Design of fixed wing VTOL UAV	HAL-IISc SDC	HAL-IISc Skill Dev Center, IIS	2021-10-23	2021-10-24
2021-22	Introduction to advanced Polymer Composites	HAL-IISc SDC	HAL-IISc Skill Dev Center, IIS	2021-11-18	2021-11-19
2021-22	Solar Energy Systems	HAL-IISc SDC	HAL-IISc Skill Dev Center, IIS	2021-12-03	2021-12-05
2021-22	AI for UI/UX Design	HAL-IISc SDC	HAL-IISc Skill Dev Center, IIS	2021-12-06	2021-12-12
2021-22	Augmented & Virtual reality	HAL-IISc SDC	HAL-IISc Skill Dev Center, IIS	2021-12-13	2021-12-19
2020-21	IoT and Embed Applications	HAL-IISc SDC	HAL-IISc Skill Dev Center, IIS	2020-12-07	2020-12-11
2020-21	Augmented & Virtual Reality	HAL-IISc SDC	HAL-IISc Skill Dev Center, IIS	2020-12-20	2020-12-26
2020-21	AI for UI/UX Design	HAL-IISc SDC	HAL-IISc Skill Dev Center, IIS	2020-12-30	2021-01-05
2020-21	Solar Energy Systems	HAL-IISc SDC	HAL-IISc Skill Dev Center, IIS	2021-01-04	2021-01-08
2020-21	Multi Rotor Drones	HAL-IISc SDC	HAL-IISc Skill Dev Center, IIS	2021-02-22	2021-02-26
2020-21	IoT	HAL-IISc SDC	HAL-IISc Skill Dev Center, IIS	2021-03-05	2021-03-05
2020-21	IoT & Electronics	HAL-IISc SDC	HAL-IISc Skill Dev Center, IIS	2021-03-17	2021-03-17

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	Essentials of Research and Innovation	BE 219	Elective Course	UG/PG/PhD	Biosystems Science and Engineering	2:0
2022-23	Entrepreneurship, Ethics and Societal Impact	NE 250	Elective Course	UG/PG/PHD	Nanoscience and Engineering	2:0
2021-22	Entrepreneurship, Ethics and Societal Impact	NE 250	Elective Course	UG/PG/PHD	Nanoscience and Engineering	2:0
2020-21	Entrepreneurship, Ethics and Societal Impact	NE 250	Elective Course	UG/PG/PHD	Nanoscience and Engineering	2:0

Faculty Details

Number of faculty members entered	476