

National Institutional Ranking Framework

Ministry of Education

Government of India

Data Submitted by Institution for India Rankings '2024'

Institute Name: Indian Institute of Technology Madras [IR-I-U-0456]

Sanctioned (Approved) Intake

Academic Year	2022-23	2021-22	2020-21	2019-20	2018-19	2017-18
UG [4 Years Program(s)]	877	877	877	762	-	-
UG [5 Years Program(s)]	177	177	177	157	358	-
PG [2 Year Program(s)]	777	743	-	-	-	-
PG [3 Year Program(s)]	245	245	245	-	-	-
PG-Integrated	58	58	52	46	46	-

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)]	2739	701	3440	584	2854	2	406	1822	226	1639	317	46
UG [5 Years Program(s)]	1201	268	1469	366	1103	0	174	677	32	728	70	21
PG [2 Year Program(s)]	1380	315	1695	170	1477	48	497	849	24	1128	129	65
PG [3 Year Program(s)]	432	87	519	124	388	7	232	194	1	416	9	0
PG-Integrated	107	167	274	57	217	0	31	151	25	155	2	0

Start up recognized by DPIIT/startup India

Name of Venture	Year of recognition by DPIIT/startup India	DPIIT/Start up India Registration No.
CARTOSENSE PRIVATE LIMITED	2020-21	DIPP11762
Vaayusastra Aerospace Pvt. Ltd.	2020-21	DIPP19823
Solinas Integrity Pvt.Ltd.	2020-21	DIPP24957
Streben Healthcare Pvt.Ltd.	2020-21	DIPP16126
Spheruler Solutions Pvt.Ltd.	2020-21	DIPP21539
Sirab Technologies Transportation Pvt.Ltd.	2020-21	DIPP8876
Arta Ortho Remedies Pvt. Ltd.	2020-21	DIPP55584
Esmite Solutions Pvt.Ltd.	2020-21	DIPP25932

Yali Mobility Pvt. Ltd.	2020-21	DIPP25834
Diamondbay Technologies Pvt. Ltd.	2020-21	DIPP27158
Qbiome Research Pvt. Ltd.	2020-21	DIPP54643
Ozone Motors Pvt. Ltd.	2020-21	DIPP9989
FT Motors Pvt. Ltd.	2020-21	DIPP10667
Agnikul Cosmos Pvt. Ltd.	2020-21	DIPP13283
Mocero Health Solutions Pvt. Ltd.	2020-21	DIPP23541
Debriq Creative Labs Pvt. Ltd.	2020-21	DIPP29723
Skyraptor India Pvt. Ltd.	2020-21	DIPP37453
Chembiosens Pvt. Ltd.	2020-21	DIPP43384
Viverva Health Media Pvt. Ltd.	2020-21	DIPP21159
Aavrtil Technologies Pvt. Ltd.	2020-21	DIPP28762
Uscope Compast Astechnologies Pvt. Ltd.	2020-21	DIPP58492
Curneu Medtech Innovations Pvt. Ltd.	2020-21	DIPP19415
Digital Flora Technologies Pvt. Ltd.	2020-21	DIPP33693
Medisim VR Pvt. Ltd.	2020-21	DIPP26342
Elicius Energy Pvt Ltd	2020-21	DPIIT33909
Aikatmya Technology Pvt. Ltd.	2020-21	DIPP35963
Marmag Infra Pvt. Ltd.	2020-21	DIPP45003
X2FUELS AND ENERGY PRIVATE LIMITED	2020-21	DPIIT34588
Ubifly Technologies Pvt. Ltd.	2020-21	DIPP35558
JSP Enviro Pvt. Ltd.	2020-21	DIPP41095
Buzzark Simulations Pvt. Ltd.	2020-21	DIPP41047
Samudhyoga Waste Chakra Pvt. Ltd.	2020-21	DIPP37119
XYMA Analytics Pvt. Ltd.	2020-21	DIPP39990
TridenTech Engineering Pvt. Ltd.	2020-21	DIPP41070
Ubiqare Health Pvt. Ltd.	2020-21	DIPP18371
Hydromaterials Pvt. Ltd.	2020-21	DIPP19886
Meras Plugins Pvt. Ltd.	2020-21	DIPP49568
Revoh innovations Pvt. Ltd.	2020-21	DIPP37179
MotorZ Design & Manufacturing Pvt. Ltd.	2020-21	DIPP52634
Flowtrik Technologies Pvt. Ltd.	2020-21	DIPP54197
YAAKHAI HEALTH CARE PRIVATE LIMITED	2020-21	DIPP49276

C3 Med-Tech Pvt. Ltd.	2020-21	DIPP58112
Earthen Tunes Designs Pvt. Ltd.	2020-21	DIPP55038
EARTHFOKUS EARTHWISE PRIVATE LIMITED	2020-21	DIPP52913
Inuaid Solutions Pvt Ltd	2020-21	DIPP62451
Dhvani Analytic Intelligence Pvt. Ltd.	2020-21	DIPP62351
Dhvani Inspection Technologies Pvt. Ltd.	2020-21	DIPP63162
AIDesign Pvt. Ltd.	2020-21	DIPP60145
Swasthchain Pvt. Ltd.	2020-21	DIPP44760
Blunav Technologies Pvt. Ltd.	2020-21	DIPP31671
Dextroware Devices Pvt. Ltd.	2020-21	DIPP65477
Kozhnosys Pvt. Ltd.	2020-21	DIPP10814
GalaxEye Space Solutions Pvt. Ltd.	2020-21	DIPP80854
Excelon Academy Pvt. Ltd.	2020-21	DIPP70406
ISMO Bio-photonics Pvt. Ltd.	2020-21	DIPP70342
Maritime Technology Pvt. Ltd.	2020-21	DIPP149950
Med Interventions and Beyond Pvt. Ltd	2020-21	DIPP66300
Neos HealthTech Pvt. Ltd.	2020-21	DIPP76390
Mandark Technologies Pvt. Ltd.	2020-21	DIPP6907
indepenn Connections Pvt. Ltd	2020-21	DIPP59291
Dr MGR - Ari Technology Innovations Private Limite	2020-21	DIPP87016
Novatex Technology Pvt. Ltd.	2020-21	DIPP147588
Planytics Solutions Pvt. Ltd.	2020-21	DIPP49311
Tutr Hyperloop Pvt. Ltd.	2020-21	DIPP131574
Impensus Electronics Pvt. Ltd.	2020-21	DIPP29102
Careme Health Pvt. Ltd.	2020-21	DIPP11531
Medcuore Medical Solutions Pvt. Ltd.	2020-21	DIPP61388
Sensory Relax Pvt. Ltd.	2020-21	DIPP141794
VESTINVILLAGES (VIV) PRIVATE LIMITED	2020-21	DIPP134053
Tvasta Manufacturing Solutions Pvt Ltd	2020-21	DIPP15451
Agrosperity Tech Solutions Pvt. Ltd.	2020-21	DIPP89156
Hiclousia Recruitment Pvt. Ltd.	2020-21	DIPP128181
Intelligence Quotient Pvt Ltd	2020-21	DIPP139129
Music Temple Pvt Ltd	2020-21	DIPP130749

Thryv Mobility Pvt. Ltd.	2020-21	DIPP131985
Jahen and Jos Scientific Solution Pvt Ltd	2020-21	DIPP147205
JandK Operations Pvt Ltd	2020-21	DIPP129611
Arqonz Global Pvt Ltd	2020-21	DIPP68638
Quantum Edutech Pvt. Ltd.	2020-21	DIPP75574
Intiot Services Pvt Ltd	2020-21	DIPP37790
Quaish Bizsense Pvt Ltd	2020-21	DIPP64769
Insitumicron Pvt Ltd	2020-21	DIPP133498
Log 9 Materials Scientific Private Limited	2020-21	DIPP2255
FLH Kleanair and Klean Energy India Pvt Ltd	2020-21	DIPP136818
Panocolon Labs Pvt Ltd	2020-21	DIPP141028
Rudram Dynamics Pvt Ltd	2020-21	DIPP50979
Rangbio Solutions Pvt Ltd	2020-21	DIPP149948
Aatrel Green Renewable Energy Pvt. Ltd	2020-21	DIPP144531
Mayden Smarthealth Pvt Ltd	2020-21	DIPP39781
Hakitech Pvt Ltd	2020-21	DIPP523
Teplu Learning Pvt. Ltd.	2020-21	DIPP41613
32Mins Digital Consultancy Services Pvt. Ltd.	2020-21	DIPP141898
Velicicore Pvt Ltd	2020-21	DIPP145639
HBarOmega Pvt Ltd	2020-21	DIPP83020
Intrustlabs Pvt Ltd	2020-21	DIPP151766
Ashva Boring Pvt Ltd	2020-21	DIPP148312
nGenCare Solutions Pvt Ltd	2020-21	DIPP89029
OptRoute Logistics Pvt. Ltd.	2020-21	DIPP97829
Smart Home Healthcare Pvt. Ltd.	2020-21	DIPP40035
Subspace Technologies Private Limited	2022-23	DIPP133387
Guhan Industrial and Manufacturing Solutions Pvt L	2021-22	DIPP81899
GREEN AADHAAR (Rechain Technologies Private Limite	2022-23	DIPP117505
Nikotto	2022-23	DIPP125746
Susstains	2022-23	DIPP124388
Aerodome Technologies Private Limited	2022-23	DIPP138057
Tan90 Thermal Solutions	2020-21	DPIIT32404
UrbanMatrix	2020-21	DIPP69291

TOCAL	2022-23	DIPP102070
Microspin Machine Works Pvt. Ltd.	2020-21	DIPP8876
Stellapps Technologies Pvt. Ltd.	2020-21	DIPP148
Swayambhu Biologics Pvt. Ltd.	2020-21	DIPP3079
Edsix Brain Labs Pvt. Ltd.	2020-21	DIPP137
Simple Farm Solutions Pvt. Ltd.	2020-21	DIPP267
Ather Energy Pvt. Ltd.	2020-21	DIPP2316
Greenvironment Innovation and Marketing India Pvt.	2020-21	DIPP242
Pi Beam Labs Pvt. Ltd. (Fyn)	2020-21	DIPP1391
RF Waves Technologies Pvt. Ltd.	2020-21	DIPP4048
Wii Tronics Solutions Pvt. Ltd.	2020-21	DIPP467
Unilumen Photonics	2020-21	DIPP855
Purius Nanosystems Pvt. Ltd.	2020-21	DIPP204
Gyan Data Pvt. Ltd.	2020-21	DIPP16377
Hyperverge Technologies Pvt. Ltd.	2020-21	DIPP54302
GUVI GEEK NETWORK PRIVATE LIMITED	2020-21	DIPP5682
Onymy Infocomm Pvt Ltd	2020-21	DIPP34831
Fibsol Life Technologies Pvt. Ltd.	2020-21	DIPP252
Cygni Energy Pvt. Ltd.	2020-21	DIPP97
Vital Bio Scientific	2020-21	DIPP228
ZedBee Technologies Pvt. Ltd.	2020-21	DIPP312
Blue SinQ Automations Pvt. Ltd.	2020-21	DIPP5812
Samudra Consultants Pvt. Ltd.	2020-21	DIPP39031
AIR OK TECHNOLOGIES PRIVATE LIMITED	2020-21	DIPP149707
Enability Foundation for Rehabilitation (Sec 8 com	2020-21	DIPP883
Planys Technologies Pvt. Ltd.	2020-21	DIPP203
Padmaseetha Technologies Pvt. Ltd.	2020-21	DIPP1344
Nfiver Machinerics Pvt. Ltd.	2020-21	DIPP127
Udvavisk Technologies Pvt.Ltd.	2020-21	DIPP31892
Conzumex Industries Pvt. Ltd.	2020-21	DIPP1007
Yaathum Biotech Pvt. Ltd	2020-21	DIPP224
Detect Technologies Pvt. Ltd.	2020-21	DIPP820
Fabheads Automations Pvt. Ltd.	2020-21	DIPP344

Neomotion Assistive Solutions Pvt.Ltd.	2020-21	DIPP2859
Sonolight Imaging Innovations Pvt.Ltd.	2020-21	DIPP6629
Crion Technologies Pvt. Ltd.	2020-21	DIPP12522
AXON Automations Pvt. Ltd.	2020-21	DIPP23933
Akxa Tech Pvt. Ltd.	2020-21	DIPP2649
InnoDI Water Technologies Pvt. Ltd	2020-21	DIPP2478
Sangvint Technologies Pvt. Ltd.	2020-21	DIPP2655
Dravak Technologies Pvt Ltd	2020-21	DIPP3494
Pojo Software Pvt. Ltd.	2020-21	DIPP3812
Grinntech Motors & Services Pvt. Ltd.	2020-21	DIPP4264
YNOS VENTURE ENGINE CC PRIVATE LIMITED	2020-21	DIPP18248
DiGas Pvt.Ltd.	2020-21	DIPP3931
Rathi Aerospace Labs Pvt. Ltd.	2020-21	DIPP32537
Indira Astron drive Pvt Ltd	2020-21	DIPP1519
Fuchsiagiraffe Innovations Pvt. Ltd.	2020-21	DIPP5706
Aerostrovilos Energy Pvt.Ltd.	2020-21	DIPP12660
Ariken Labs Pvt. Ltd.	2020-21	DIPP7581
Beebox Studios Pvt.Ltd.	2020-21	DIPP9919
Qunu Labs Pvt. Ltd.	2020-21	DIPP5607
CISGEN Biotech Discoveries Pvt.Ltd.	2020-21	DIPP47199
VayuJal Technologies Pvt.Ltd.	2020-21	DIPP10995
Envitran Smart Systems Pvt. Ltd.	2020-21	DIPP21157
Kapindra Precision Engineering Pvt.Ltd.	2020-21	DIPP17886
MEDHA INNOVATION AND DEVELOPMENT PRIVATE LIMITED	2020-21	DIPP14335
Aqueasy Innovations Pvt.Ltd.	2020-21	DIPP28067
Vasitars Pvt. Ltd.	2020-21	DIPP5270
Kornerstone Devices Pvt.Ltd.	2020-21	DIPP21990
Maximl Labs Pvt. Ltd.	2020-21	DIPP2503
Antariksh Waste Ventures Pvt.Ltd.	2020-21	DIPP18464
Gnanam Institute for Training in Advanced Analytic	2020-21	DIPP16384
IMOV MOTIONTECH PRIVATE LIMITED	2020-21	DIPP26534
Troph Bio Pvt.Ltd.	2020-21	DIPP25076

Startups which have got VC investment in previous 3 years

Name of startups	Amount received	Organisation Name	Year of receiving VC investment
Medibuddy (merged with Docsapp in June 2020)	6811300000	Quadria Capital, Lightrock, TEAMFund	2021-22
Medibuddy (merged with Docsapp in June 2020)	219600000	Fusian Capital Co	2021-22
Medibuddy (merged with Docsapp in June 2020)	955500000	ALES Global Investment Partnership II and India Life Sciences Fund III LLC(InvAscent)	2020-21
Medibuddy (merged with Docsapp in June 2020)	1425900000	FinSight I LP, JAFCO Asia Technology Fund	2020-21
Aibono Smart Farming Pvt Ltd	49800000	CCPS - Rebright III, Lesing Artha and 3 HNIs	2020-21
Pi Beam Labs Pvt Ltd	30000000	Neelanchal Edifice LLP, A G Muralikrishnan and SiriusOne Capital	2022-23
Pi Beam Labs Pvt Ltd	129000000	IPV Investors	2022-23
Detect Technologies Pvt Ltd	1950000000	Prosus (Nasper) Ventures, Accel India VI (mauritius) and Elevation Capital	2022-23
Detect Technologies Pvt Ltd	585000000	Accel, SAIF Partners, BIF, Axilor and HNI	2021-22
Ather Energy Pvt Ltd	4000000000	CIPL (affiliate of GIC Singapore)	2022-23
Ather Energy Pvt Ltd	7991100000	NIIF CIPL	2022-23
Ather Energy Pvt Ltd	1499900000	Hero MotorCorp	2021-22
Ather Energy Pvt Ltd	2599900000	Hero MotorCorp	2020-21
Ather Energy Pvt Ltd	840000000	Hero MotorCorp	2020-21
Seikkei Bio Pvt Ltd	150000000	Tenshi	2021-22
Mindgrove Technologies Pvt. Ltd	193000000	Sequoia Capital India	2022-23
Earth Fokus Earthwise Pvt Ltd	15000000	The Chennai Angels	2022-23
Log 9 Materials Scientific Pvt. Ltd.	451700000	HNIs, Catamaran Advisors LLP; LV Angel Fund; Unity Small Finance Bank etc.	2022-23
Pattamadai Korai grass mat Weavers Cooperative Credit society	4000000	Common Facility Centre CFC for weaving grass mats in Pattamadai	2021-22
Viravanallur Grass Mat Weavers Cooperative Credit Society	4000000	Common Facility Centre CFC for weaving grass mats in Viruavanallur	2021-22
TNSRLM-Integrated Pottery Development Centre	6500000	Common Facility Centre CFC in Perumudivakkam	2021-22
Campervan Factory Pvt.Ltd.	5000000	Individuals	2022-23
Stellapps Technologies Pvt Ltd	817700000	IndusAge Technology Venture	2021-22
GalaxEye Space Solutions Pvt. Ltd.	350000000	Artha Ventures and Speciale Invest	2022-23
GalaxEye Space Solutions Pvt. Ltd.	21000000	Speciale Invest Fund I	2021-22
YNOS Venture Engine CC Pvt Ltd	10000000	HNIs	2021-22
ExcelOn Academy Pvt Ltd	3000000	HNI	2021-22
Kozhnosys Pvt Ltd	5000000	EDC (Entrepreneurship Development Centre)	2021-22
Aavrtti Technologies Pvt Ltd	15000000	ONGC	2021-22
X2Fuels and Energy Pvt Ltd	61500000	Tube Investments of India Ltd	2021-22

Roha369 Biotech Pvt Ltd	2500000	CIIIC (Startup India Seed Fund Scheme)	2022-23
Medisim VR Pvt Ltd	35000000	Inflection Point Ventures	2021-22
Revoh Innovations Pvt Ltd	35000000	Whiteboard Capital	2022-23
Revoh Innovations Pvt Ltd	7000000	Angels	2022-23
Good Move Logistics and Transport Pvt Ltd	5000000	GAIL India	2022-23
Meras Plugins Pvt Ltd	36000000	Individuals	2022-23
Mocero Health Solutions Pvt Ltd	20000000	Inflexion Point Ventures	2022-23
DextroWare Devices Pvt Ltd	6000000	Foundation For Innovation And Social Entrepreneurship (Social Alpha)	2022-23
Agrosperity Tech Solutions Pvt Ltd	25000000	HNIs	2022-23
Tan90 Thermal Solutions	173200000	Blue Ashva Capital, Capital A, 3i Partners	2022-23
UrbanMatrix	100000000	IPV, LetsVenture	2021-22
TOCAL	4000000	SSIF	2022-23
Least Count Technologies Pvt. Ltd. (Tri3D)	10000000	Individuals (HNIs)	2020-21
ZedBee Technologies Pvt. Ltd.	15600000	Keiretsu Investors, IAN Individual Investors, Stanford Angels and New Angels (Feb 2021)	2020-21
XYMA Analytics Pvt. Ltd.	80000000	Venture Catalysts, Z Nation Lab Growth Fund, SHELL, HNIs and GAIL India	2022-23
XYMA Analytics Pvt. Ltd.	1500000	Shell India	2020-21
Nadhi Information Technologies Pvt. Ltd.	165000000	Bentley Systems Inc.	2021-22
Esmite Solutions Pvt.Ltd.	100000000	EQUANIMITY VENTURES TRUST II, UNICORN INDIA VENTURES FUND II	2022-23
Esmite Solutions Pvt.Ltd.	10000000	HPCL Startup India	2020-21
Ubifly Technologies Pvt. Ltd.	370000000	Speciale Invest, Speciale Continuity	2021-22
Ubifly Technologies Pvt. Ltd.	63000000	Speciale Invest Fund I and other investors	2020-21
Aerostrovilos Energy Pvt Ltd	34600000	Tube Investments of India Ltd	2021-22
Aerostrovilos Energy Pvt Ltd	3950000	10 HNIs	2020-21
Ozone Motors Pvt Ltd	3500000	Individual	2021-22
Ozone Motors Pvt Ltd	4500000	Angel Investors	2020-21
Grinntech Motors and Services Pvt Ltd	111500000	Indian Angel Network and Magnetic Meter Systems	2020-21
Qunu Labs Pvt Ltd	18000000	HNI	2020-21
Qunu Labs Pvt Ltd	55000000	HNI	2020-21
Qunu Labs Pvt Ltd	25000000	HNI	2020-21
Yali Mobility Pvt Ltd	15000000	Nativelead Angels	2022-23
Crion Technologies Pvt Ltd	10000000	Angel Investors	2022-23
Ubiqare Health Pvt Ltd	5000000	IKP Knowledge Park	2021-22

GUVI Geek Network Pvt Ltd	712000000	HCL Technologies	2022-23
Uniphore Inc	102458000	Sorenson capital Partners (March 2021)	2020-21
Agnikul Cosmos Pvt Ltd	13828000	SPECIALE INVEST CONTINUITY FUND I VISTRA ITCL INDIA LIMITED	2021-22
Uniphore Inc	304500000	Led by American venture capital firm New Enterprise Associates	2021-22
Uniphore Inc	102458000	Sorenson capital Partners	2020-21
Solinas Integrity Pvt.Ltd.	425000	8X Ventures	2021-22
Agnikul Cosmos Pvt Ltd	8147000	Mayfield Pi Ventures Fund I Speciale Invest Fund I	2021-22
Maximl Labs Pvt Ltd	407000000	Axilor and Nexus	2020-21
Fabheads Automation Pvt Ltd	86500000	Inflexion Point Ventures Keiretsu Forum	2021-22
Conzumex Industries Pvt Ltd	210000000	Lead by Dr. Bhaskar Rao Bollineni, MD of Kims Hospitals	2020-21
Planys Technologies Pvt Ltd	65000000	HNI's + existing investors	2020-21

FDI investment in previous 3 years

Name of startups	FDI investment received	Year of receiving FDI investment
Tan90 Thermal Solutions	20000000	2022-23
UrbanMatrix	20000000	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
SISFS and TIDE 2	900000	2022-23
NIDHI PRAYAS	500000	2021-22
NIDHI PRAYAS	700000	2022-23
Tamilnadu startup innovation mission	1000000	2022-23
BIRAC, IIGP	16000000	2020-21
Indian Railways	83400000	2022-23
Dept. of Science and TechSeed Support Scheme	1000000	2020-21
Ministry of Electronics and Information Technology (MeiTY), GOI	3659693	2020-21
Ministry of Electronics and Information Technology (MeiTY), GOI	2769757	2021-22
Ministry of Electronics and Information Technology (MeiTY), GOI	7700000	2021-22
EDII Grant from Tamil Nadu Govt	999000	2021-22
EDII Grant from Tamil Nadu Govt	2544200	2022-23
Mazagon Dock Shipbuilders Limited	4000000	2020-21
RITES Limited	2625000	2022-23

BioNest, BIRAC	2890000	2020-21
BioNest, BIRAC	17634000	2022-23
DST Training Program	980000	2020-21
SPARSH, BIRAC	20000000	2020-21
CAWACH, DST	62000000	2020-21
BIG Associated Partner, BIRAC	266666	2020-21
BIG Associated Partner, BIRAC	400000	2021-22
NIDHI Prayas, DST	12000000	2021-22
NIDHI Prayas, DST	12000000	2022-23
NIDHI EIR, DST	3960000	2021-22
NIDHI EIR, DST	3960000	2022-23
Department of Science and Technology	223770000	2020-21
Department of Science and Technology	490000000	2022-23
City Union Bank	10000000	2022-23
Bharath Electronics Limited	4720000	2022-23
AP Government	3141000	2022-23
NCCS, Department of Telecommunications	35061000	2022-23
Tamil Nadu State Handloom Development Corporation (TNHDC)	4000000	2021-22
Indian oil corporation	6500000	2021-22

Patents

Calendar year	2022	2021	2020
No. of Patents Published	247	197	243
No. of Patents Granted	192	144	123

Patents Commercialized & Technology Transferred

Calendar year	2022	2021	2020
No. of Patents Published	35	12	19

Innovations at various stages of Technology Readiness Level

Innovation Name	Stage of technology	Financial Year
MASSIVELY PARALLEL HIGH THROUGHPUT SINGLE-CELL OPTOPORATION	Level 3	2020-21
MULTI-STAGE AIR PURIFICATION SYSTEM WITH HEMISPHERICAL DISCHARGE	Level 4	2020-21
A SUPPLEMENT THAT REDUCES LIVER DAMAGE, HANGOVER SYMPTOMS WHILE SUSTAINING INTOXICATION EFFECT CAUSED BY ALCOHOL CONSUMPTION	Level 2	2020-21

A FLASH ADC BASED METHOD AND PROCESS FOR IN-MEMORY COMPUTATION	Level 6	2020-21
SYSTEM AND METHOD FOR PRODUCING MAGNETITE FROM RED MUD USING TWO STAGE REACTORS	Level 4	2020-21
A METHOD AND SYSTEM FOR GENERATING A DIGITAL MODEL OF A COMPLEX SHAPED STRUCTURE	Level 6	2020-21
A SYSTEM FOR ADDITIVE MANUFACTURING OF CONTINUOUS FIBRE REINFORCED THERMOSET POLYMER COMPOSITES BY LIQUID DEPOSITION MODELING AND METHODS THEREOF	Level 4	2020-21
METHOD AND SYSTEM FOR SIGNAL TRANSMISSION AND RECEPTION	Level 4	2020-21
METHOD AND SYSTEM FOR SIGNAL TRANSMISSION AND RECEPTION	Level 4	2020-21
METHOD AND SYSTEM FOR SIGNAL TRANSMISSION AND RECEPTION	Level 4	2020-21
METHOD AND SYSTEM FOR SIGNAL TRANSMISSION AND RECEPTION	Level 4	2020-21
METHOD AND SYSTEM FOR SIGNAL TRANSMISSION AND RECEPTION	Level 4	2020-21
A REMOTE MONITORING SYSTEM FOR A STAND-ALONE POWER GENERATION SYSTEM AND METHOD THEREOF	Level 4	2020-21
TWO-STAGE GREY WATER REACTOR SET FOR DISTILLATION AND WATER SPLITTING PROCESS	Level 3	2020-21
ACCELERATED MACHINE-LEARNING-BASED SYSTEM AND METHOD FOR PREDICTING APPROPRIATE MATERIALS AND RAPID PROTOTYPING OF ENERGY-STORAGE DEVICES	Level 2	2020-21
A POINT-OF-CARE (POC) AMPEROMETRIC DEVICE FOR SELECTIVE ARSENIC SENSING	Level 4	2020-21
GAS VOLUME MEASURING DEVICE	Level 6	2020-21
A BIOMIMETIC SUTURE-LESS PATCH-BASED DELIVERY SYSTEM FOR INTERNAL SOFT TISSUES	Level 4	2020-21
A NON-TOXIC METHOD FOR CROSSLINKING WHOLE DECELLULARIZED ORGAN	Level 4	2020-21
A METHOD TO DERIVE FUNCTIONAL HEPATOCYTES	Level 4	2020-21
ROTARY KILN INCINERATOR FOR GENERATING ENERGY FROM MUNICIPAL SOLID WASTE(MSW)	Level 4	2020-21
MULTIPLE CONE-AIR SPLITTER BASED FAN	Level 4	2020-21
SYSTEMS AND DEVICES FOR MW HYPERTHERMIA AND HDR BRACHYTHERAPY	Level 4	2020-21
CLUSTER-ASSISTED ANTIVIRAL MEDICATIONS	Level 4	2020-21
A SIMPLE DESIGN FOR A VENTILATOR USING MOSTLY WHAT IS ALREADY AVAILABLE IN THE HOSPITAL-TITLE YE TO CONFIRM	Level 4	2020-21
A SMARTPHONE INTEGRATED FLUORIDE-SPECIFIC SENSOR FOR RAPID AND AFFORDABLE COLORIMETRIC DETECTION	Level 4	2020-21
A CONDUCTING ELECTROCHROMIC COMPOSITE OF METALLIC NANOWIRES AND MULTI-COLOURED THERMOCHROMIC MATERIALS	Level 2	2020-21
A STANDALONE, PORTABLE, SINGLEUSE AND WIRELESS VENTILATOR SYSTEM AND A METHOD FOR OPERATING THEREOF	Level 5	2020-21
MULTI-CHARGED NANODROPLETS OF WATER FOR MICROBIAL DISINFECTION	Level 4	2020-21

SYSTEM AND METHOD FOR GENERATING QUANTUM RANDOM NUMBERS USING RESIDUAL TIME-BINS IN DPS QKD SYSTEM	Level 4	2020-21
SYSTEM AND METHOD FOR GENERATING QUANTUM RANDOM NUMBER USING FEW MODE FIBERS AND PHOTONIC LANTERNS APPLICANT	Level 4	2020-21
METHOD FOR BEAM STEERING IN MULTIPLE-INPUT MUA LOW TEMPERATURE SOLID GAS GENERATORLTIPLE-OUTPUT SYSTEM	Level 4	2020-21
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Method for the Preparation of Bilayer Metal Electrocatalyst for Conversion of CO ₂ to Formic Acid	Level 4	2022-23
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An electrode system based on differential oxidant response for the detection of free chlorine, T. Pradeep, Kamallesh Chaudhari, Tullio Servida, Vishnu V, B. K. Spoorthi, application no. PCT/IN2022/0506	Level 6	2022-23
Microfluidic Device with Removable Capillaries. Indian Patent No. 457547.	Level 7	2022-23
Spinning Disc Atomization Apparatus for Producing Micro-Particles and a Method Thereof. Indian Patent No. 456661 (2023)	Level 7	2022-23
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A SYSTEM AND METHOD FOR IN-SITU REMEDIATION OF CONTAMINATED DRAINS USING ENGINEERED NATURAL SYSTEMS	Level 4	2022-23
A SCAFFOLD OF NANOFIBROUS MATRIX AND METHOD THEREOF.	Level 3	2022-23
SOLAR ARRAY FOR A ROTATABLE OBJECT	Level 6	2022-23
METHODS FOR COMMUNICATION IN A CELLULAR NETWORK THROUGH SMART REPEATERS/RELAYS AND RECONFIGURABLE INTELLIGENT SURFACE	Level 4	2022-23
SMART DEVICE FOR DETECTION OF TOXIC ANALYTES AND METHODS THEREOF	Level 4	2022-23
FRUITS AND VEGETABLE VENDING CART	Level 4	2022-23
A VEHICLE FOR POWER GENERATION, TRANSMISSION AND STORAGE	Level 3	2022-23
FLAME BASED HEAT TREATMENT FOR ENHANCEMENT OF HYDROGEN EVOLUTION REACTION (HER) KINETICS IN CERIA-BASED ELECTRO-CATALYSTS	Level 4	2022-23

SYSTEM AND METHOD FOR STRAIN MEASUREMENT FOR UNDERWATER COMPOSITE AND FLEXIBLE PROPELLERS	Level 4	2022-23
BIONIC GRID STIFFENED STRUCTURES FOR STRUCTURAL APPLICATION	Level 4	2022-23
A MICROTIP DEVICE AND METHOD FOR INTRACELLULAR DELIVERY OF BIOMOLECULES	Level 4	2022-23
METHOD OF ENCAPSULATING A RADIO FREQUENCY MICRO ELECTRO MECHANICAL SYSTEMS	Level 4	2022-23
RADIO FREQUENCY MICROELECTROMECHANICAL SYSTEMS CAPACITIVE SHUNT SWITCH	Level 4	2022-23
DESIGN AND DEVELOPMENT OF SMALL-SCALE PADDY THRESHER FOR SMALL AND MARGINAL FARMERS.	Level 6	2022-23
THERMOSET PLASTIC FROM WASTE LIQUOR OBTAINED FROM AMMONIACAL GLYCEROL PRETREATMENT OF LIGNOCELLULOSIC BIOMASS	Level 4	2022-23
METHODS FOR OPERATING SMART RELAYS/REPEATERS IN A NETWORK	Level 1	2022-23
PROCESS AND SYSTEM FOR RECOVERY OF PHOSPHATE WITH LAYERED DOUBLE HYDROXIDE ZN-CO ELECTRODES	Level 4	2022-23
A METHOD AND SYSTEM FOR AUTOMATED ASSESSMENT OF UPPER-LIMB MOTOR IMPAIRMENT	Level 4	2022-23
ESTERS AND COMBINATIONS COMPRISING CHOLINE AND ISOBUTYLPHENYL PROPANOIC ACID	Level 3	2022-23
PROCESSES FOR PREPARING CHIRAL 3,3-DISUBSTITUTED OXINDOLES	Level 3	2022-23
METALLIC FUNCTIONALLY GRADED MATERIALS AND MANUFACTURING METHODS THEREOF	Level 4	2022-23
AMINE PROMOTED SYNTHESIS OF HYDROXYMETHYLFURFURAL	Level 3	2022-23
A SYSTEM AND METHOD FOR AN ULTRA-COMPACT DBR CAVITY DESIGN FOR PHOTONICS TECHNOLOGY APPLICATIONS	Level 4	2022-23
EXHALED BREATH BASED USER AUTHENTICATION AND DIAGNOSIS	Level 4	2022-23
A DITHER-FREE MULTI-CHANNEL ANY-POINT BIAS CONTROL SYSTEM FOR DWDM SYSTEMS WITH TIME-BASED POLLING	Level 4	2022-23
SYSTEM AND METHOD FOR DETERMINING ACTIVITIES OF A USER	Level 3	2022-23
A METALLOMICELLAR CATALYST FOR SULFOXIDATION REACTIONS IN AQUEOUS MEDIUM AND DESULFURIZATION OF MODEL DIESEL UNDER AEROBIC CONDITIONS	Level 4	2022-23
ULTRASONIC MILLING MACHINE	Level 6	2022-23
A NON-CONTACT APPARATUS AND METHOD FOR MEASURING SURFACE STRAIN IN A MATERIAL	Level 4	2022-23
STAIRCASE SHAPED MAGNETOSTRICTIVE PATCH (SCAMP) TRANSDUCER	Level 4	2022-23
MANGO SEED DECORTICATOR	Level 6	2022-23
ESTER SYSTEM FOR TREATMENT OF EXHAUST GASES OF DIESEL ENGINES	Level 3	2022-23
ELECTRO-DEPOSITION BATH FOR RECHARGING THE ANODE OF MECHANICALLY RECHARGEABLE METAL-AIR BATTERIES	Level 4	2022-23
FLUID FLOW SENSOR	Level 4	2022-23
HYPERLOOP TRANSPORTATION SYSTEM	Level 6	2022-23

A MODULAR TRANSPORTATION SYSTEM	Level 6	2022-23
GAS TURBINE AFTERBURNER WITH SOLID FUEL RICH PROPELLANT	Level 1	2022-23
A MULTI-SOURCE ENERGY HARVESTER DEVICE AND A METHOD THEREOF	Level 3	2022-23
SYSTEM AND METHOD FOR ULTRASONIC SCANNING	Level 1	2022-23
METHODS FOR OPERATING A RECONFIGURABLE INTELLIGENT SURFACE IN A NETWORK	Level 1	2022-23
A SYSTEM AND METHOD FOR MANUFACTURING A CASSAVA STARCH-BASED VAPOR-RESPONSIVE SOFT ACTUATOR	Level 4	2022-23
METAL OXYNITRIDE BASED PHOTO- SENSITIVE SUPERCAPACITOR AND PHOTO SUPERCAPATTERY	Level 3	2022-23
METHODS FOR OPERATING A SMART REPEATER/RELAY IN A NETWORK	Level 1	2022-23
VERTICALLY ALIGNED NANOPATES OF ATOMICALLY PRECISE CO6S8 CLUSTER FOR PRACTICAL ARSENIC SENSING	Level 4	2022-23
METHOD AND APPARATUS FOR DETERMINING THE RECONSTRUCTION FILTERS IN A CONTINUOUS-TIME PIPELINE ANALOG-TO-DIGITAL CONVERTER	Level 4	2022-23
SALTS AND COMBINATIONS COMPRISING TETRAMETHYLGUANIDINE AND PARA ACETAMIDOPHENOL	Level 3	2022-23
SALTS AND COMBINATIONS COMPRISING TETRAMETHYLGUANIDINE AND ISOBUTYLPHENYL PROPANOIC ACID	Level 3	2022-23
SALTS AND COMBINATIONS COMPRISING TETRAMETHYLGUANIDINE AND ACETYLSALICYLIC ACID	Level 3	2022-23
Agalsearch Systems Pvt.Ltd	Level 6	2021-22
Theta90 Technologies Pvt. Ltd.	Level 6	2021-22
SENSURAIR Pvt. Ltd	Level 6	2021-22
Campervan Factory Pvt. Ltd.	Level 5	2021-22
Kineshia Robotics Pvt. Ltd.	Level 4	2021-22
indepenn Connections Pvt. Ltd	Level 1	2021-22
LoyalMed Devices Pvt. Ltd.	Level 4	2021-22
Dverse Technologies Pvt. Ltd.	Level 5	2021-22
Roha369 Biotech Pvt. Ltd.	Level 7	2021-22
GigaYasa Wireless Pvt. Ltd.	Level 9	2021-22
Chatting Birds Pvt. Ltd.	Level 7	2021-22
Emotiv Traction Solutions Pvt. Ltd.	Level 7	2021-22
BrainwaveS Neurorehab Solutions Pvt. Ltd.	Level 4	2021-22
Dr MGR Ari Technology Pvt.Ltd	Level 4	2021-22
Thouway Technologies Pvt. Ltd.	Level 7	2021-22
FirstLap Neonatal Pvt. Ltd.	Level 5	2021-22
Securweave Research Labs Pvt. Ltd.	Level 6	2021-22

OptRoute Logistics Pvt. Ltd.	Level 5	2021-22
Deepvital Pvt. Ltd.	Level 5	2021-22
Spotdot BioInnovation Pvt. Ltd.	Level 5	2021-22
Novatex Technology Pvt. Ltd.	Level 5	2021-22
Planytics Solutions Pvt. Ltd.	Level 8	2021-22
Analytics and Beyond Pvt. Ltd.	Level 1	2021-22
Ostequant Pvt. Ltd.	Level 5	2021-22
Tutr Hyperloop Pvt. Ltd.	Level 3	2021-22
Impensus Electronics Pvt. Ltd.	Level 9	2021-22
Careme Health Pvt. Ltd.	Level 7	2021-22
VETiNSTANT Healthcare Pvt. Ltd.	Level 6	2022-23
CeraTattva InnoTech Pvt. Ltd.	Level 5	2022-23
Medcuore Medical Solutions Pvt. Ltd.	Level 8	2022-23
Sensory Relax Pvt. Ltd.	Level 4	2022-23
VESTiNVILLAGES (VIV) PRIVATE LIMITED	Level 5	2022-23
Satori XR Pvt. Ltd.	Level 9	2022-23
Canbrs Therapeutics Pvt. Ltd.	Level 4	2022-23
Agrosperity Tech Solutions Pvt. Ltd.	Level 9	2022-23
Hiclousia Recruitment Pvt. Ltd.	Level 3	2022-23
Zealev DC-Tech Pvt. Ltd.	Level 4	2022-23
Agami Fintech Solutions Pvt. Ltd.	Level 3	2022-23
Futaucon Tek Pvt Ltd	Level 6	2022-23
Azhar Engineering Pvt Ltd	Level 7	2022-23
Arkin labs Pvt Ltd	Level 5	2022-23
Tailwinds Cloud Services Pvt Ltd	Level 1	2022-23
Vyoma Systems Pvt. Ltd.	Level 7	2022-23
Shakra Innovations Pvt Ltd	Level 4	2022-23
Vaan Megam Networks Pvt Ltd	Level 4	2022-23
Algorithm Health Pvt Ltd	Level 5	2022-23
Quanfluence Pvt. Ltd.	Level 5	2022-23
nGenCare Solutions Pvt Ltd	Level 5	2022-23
Digitosec Pvt Ltd	Level 4	2022-23
Intelligence Quotient Pvt Ltd (Vaathiyar.AI)	Level 4	2022-23

Daloft Aerospace Pvt Ltd	Level 5	2022-23
Olivefin Solutions Pvt Ltd	Level 3	2022-23
Music Temple Pvt Ltd	Level 5	2022-23
Thryv Mobility Pvt. Ltd.	Level 7	2022-23
Welkinrim Technologies Pvt Ltd	Level 7	2022-23
Meister Gen Technologies Private Limited	Level 4	2022-23
Jahen and Jos Scientific Solution Pvt Ltd	Level 3	2022-23
Three Branches Healthcare Pvt Ltd	Level 1	2022-23
Rubiz IT Services Pvt Ltd	Level 9	2022-23
JandK Operations Pvt Ltd	Level 9	2022-23
Clinfo Trialmate Pvt Ltd	Level 6	2022-23
Eduspeed Technologies Pvt Ltd	Level 4	2022-23
Teqsta Labs Pvt Ltd	Level 5	2022-23
SecurSi Technologies Pvt. Ltd.	Level 4	2022-23
Ezovion Research Lab Pvt Ltd	Level 1	2022-23
Alphasine E-Mobility Pvt Ltd	Level 9	2022-23
Arqonz Global Pvt Ltd	Level 6	2022-23
Quantum Edutech Pvt. Ltd. (Qwings)	Level 9	2022-23
Intiot Services Pvt Ltd	Level 4	2022-23
Quaish Bizsense Pvt Ltd	Level 7	2022-23
STAND-ALONE MINIATURE IN-SITU MULTIAXIAL UNIVERSAL TESTING EQUIPMENT (ISMUTE)	Level 3	2020-21
METHOD AND ELECTRONIC DEVICE FOR ESTIMATING FREQUENCIES OF MULTIPLE SINUSOIDS	Level 4	2020-21
METHOD FOR RESAMPLING ELECTRONIC HEALTH RECORDS FOR AUTOMATIC CLASSIFICATION AND DATA ELEMENT EXTRACTION	Level 5	2020-21
SYSTEM AND METHOD FOR DATA CLASSIFICATION	Level 5	2020-21
METHOD FOR IMPROVING CLINICAL DOCUMENTATION USING KNOWLEDGE GRAPH	Level 5	2020-21
AN IN SITU METHOD OF HYDROGEN PRODUCTION FROM URINE USING ALUMINIUM-TIN SYSTEMS	Level 4	2020-21
POSITIONING BASED ON THE CELLULAR NETWORK	Level 4	2020-21
OPTICAL FIBER PROBE AND METHOD OF FORMING THEREOF	Level 8	2020-21
NON-CONTACT MICROWAVE TECHNIQUE FOR SENSING THERMODYNAMIC PHASE CHANGE OF MATERIALS	Level 4	2020-21
METHOD AND ELECTRONIC DEVICE FOR MITIGATING MICRO-ARCHITECTURAL SIDE-CHANNEL ATTACK BY DYNAMIC RESOURCE ALLOCATION	Level 4	2020-21

ADVANCED ELECTRICAL TRANSIENT MEASUREMENTS USING ATOMIC FORCE MICROSCOPE	Level 4	2020-21
FOLDABLE TORPEDO ANCHOR (FOTOAN)	Level 4	2020-21
A METHOD FOR JOINING TWO OR MORE DISSIMILAR METALLIC COMPONENTS AND A SYSTEM THEREOF	Level 4	2020-21
FOWL: A FRAMEWORK FOR OBFUSCATION BASED WATERMARKING	Level 2	2020-21
WHITE LIGHT EMISSION FROM SINGLE SEMICONDUCTOR MATERIAL BASED ON TRIVALENT MIXED HALIDE DOUBLE PEROVSKITES	Level 4	2020-21
BLOCK PTRS AND COMPACT SS-PBCH BLOCK DESIGN TO HANDLE PHASE NOISE IN WIRELESS COMMUNICATION	Level 4	2020-21
A PROCESS FOR GENERATING BROADBAND WHITE LIGHT FROM POLYCRYSTALLINE YTTRIUM IRON GARNET AND A PRODUCT THEREOF	Level 3	2020-21
SENSOR NETWORK FOR AMBIENT AIR QUALITY MONITORING	Level 6	2020-21
SOLAR STANDALONE LOW TEMPERATURE FLASH MULTI-EFFECT DESALINATION SYSTEM	Level 6	2020-21
A MATERIAL PROCESSING SYSTEM AND METHOD THEREOF	Level 3	2020-21
A SYSTEM AND A METHOD FOR DETECTING AND CHARACTERIZING A DEFECT IN AN OBJECT USING GUIDED WAVE INSPECTION	Level 4	2020-21
METHOD AND SYSTEM FOR DIRECT-DETECTION BASED FMF OPTIC COMMUNICATION USING DIGITAL POWER DIVISION MULTIPLEXING	Level 4	2020-21
MULTISCALE SYSTEMS NEUROPHARMACOLOGICAL MODEL OF CORTICO-BASAL GANGLIA CIRCUITRY OF REACHING FOR NORMAL AND PARKINSONA€™S DISEASE	Level 4	2020-21
DIGITAL MODAL DECOMPOSITION OF A THREE-MODE GRADED INDEX FIBER BASED ON STOCHASTIC PARALLEL GRADIENT DESCENT (SPGD) ALGORITHM	Level 3	2020-21
A SYSTEM AND METHOD FOR CONTROLLED COMBUSTION IN A DIRECT INJECTION ENGINE.	Level 4	2020-21
PROCESS FOR PREPARING METAL FREE NITROGENOUS ORDERED MESOPOROUS CARBON MATERIAL AND ITS PRODUCT THEREOF	Level 4	2020-21
SYSTEM FOR PLUG-AND-PLAY DIFFERENTIAL PHASE ENCODED MEASUREMENT-DEVICE-INDEPENDENT QUANTUM KEY DISTRIBUTION	Level 7	2020-21
METHOD AND SYSTEM FOR GENERATING TIME-EFFICIENT SYNTHETIC NON-DESTRUCTIVE TESTING DATA	Level 4	2020-21
AMBIENT MICRODROPLET ANNEALING METHOD FOR CONVERTING POLYDISPERSED NANOPARTICLES TO THEIR MONODISPERSED ANALOGUES	Level 3	2020-21
DLL AND METHOD FOR AUTO-ZEROING STATIC PHASE OFFSET	Level 3	2020-21
MODULAR AND PORTABLE PLUG-AND-TRAIN ROBOT FOR PROVIDING HAND REHABILITATION	Level 8	2021-22
AUXETIC STRUCTURE WITH TRI-DIRECTIONAL SYMMETRY	Level 3	2021-22
A 3-D PRINTED WAFFLE SLAB ASSEMBLY AND METHOD THEREOF	Level 2	2021-22
METHOD AND AN APPARATUS FOR PROVIDING SELF-LEARNING BASED AUTOMATED WELDING	Level 3	2021-22
A METHOD AND APPARATUS FOR GESTURE RECOGNITION FOR SIGN LANGUAGE PROCESSING	Level 4	2021-22
A METHOD OF IONIZATION ON A 2D-NANOSTRUCTURED SURFACE	Level 4	2021-22

DISTRIBUTED DISC STRUCTURED MAGNETOELECTRIC COMPOSITE DEVICE	Level 4	2021-22
SEMICONDUCTOR -OXIDE DEVICE STRUCTURES AND METHODS DEVELOPED FOR THE UNIPOLAR RESISTIVE SWITCHING	Level 4	2021-22
STEREOVISION BASED CONVOLUTIONAL NEURAL NETWORK FOR REHABILITATION OF STROKE PATIENTS	Level 4	2021-22
A SYSTEM AND METHOD FOR BUG IDENTIFICATION AND FAULT LOCALIZATION THROUGH DOMAIN-ONTOLOGY	Level 4	2021-22
INJECTION LOCKED CLOCK MULTIPLIER WITH EMBEDDED PHASE INTERPOLATOR	Level 4	2021-22
NUMERICAL CODE PREDICTING POST-STALL AERODYNAMICS OF 3D WINGS/BLADES USING 'DECAMBERING' AND 'NASCENT VORTEX	Level 3	2021-22
A CIRCUIT FOR CONTROLLING VOLTAGE STRESS IN A POWER CONVERTER CIRCUIT AND A METHOD THEREOF	Level 4	2021-22
3D PAPER-BASED MICROFLUIDIC DEVICE FOR DETECTING MULTIPLE ADULTERANTS IN LIQUID FOODS	Level 5	2021-22
METHOD AND BLOCKCHAIN DEVICE FOR MANAGING HEALTH RECORDS OF USERS IN BLOCKCHAIN BASED COLLABORATIVE NETWORK	Level 2	2021-22
INTELLIGENT FIRE-FIGHTING ROBOT AND METHOD THEREOF	Level 4	2021-22
A SOLID-STATE TRANSFORMER UNIT INTEGRATING FAST SWITCHING, LOW POWER CONVERTER AND SLOW SWITCHING, HIGH POWER CONVERTER	Level 4	2021-22
A FUEL INJECTION SYSTEM FOR A DIRECT INJECTION INTERNAL COMBUSTION ENGINE AND A METHOD OF CONTROL THEREOF	Level 4	2021-22
SELF SUSTAINED CONTROLLED OXIDATIVE FLASH DE-VOLATILIZATION SYSTEM FOR BIOCHAR SYNTHESIS	Level 4	2021-22
OPTICAL SENSOR FOR HEXAVALENT CHROMIUM	Level 5	2021-22
A TWIN INJECTOR MULTIMODE INTERNAL COMBUSTION (IC) ENGINE	Level 4	2021-22
METHOD TO REALIZE HIGHLY A-AXIS ORIENTED ALUMINIUM NITRIDE (ALN) THIN FILMS ON MO COATED SI SUBSTRATE BY REACTIVE RF MAGNETRON SPUTTERING	Level 2	2020-21
NGO CONNECT APP "WILL ACT AS A BRIDGE BETWEEN NGOS, VOLUNTEERS AND RESTAURANTS.	Level 3	2021-22
PRECAST SEGMENTAL CONSTRUCTION FOR CONCRETE FOUNDATIONS FOR TRANSMISSION LINE TOWERS AND OTHER STRUCTURES	Level 4	2021-22
PISTON ASSEMBLY WITH HELICAL FLOW CHANNEL IMPROVES THE PRESSURE DROP AND MIXING OF MAGNETORHEOLOGICAL DAMPER	Level 1	2021-22
SINGLE LAYER FLEXIBLE DISPLAY AND METHOD OF MANUFACTURING THE SAME	Level 3	2021-22
A LOW-COST PORTABLE DEVICE FOR EVALUATING STRETCH FORMABILITY AT VARYING TEMPERATURES AND STRAIN-PATHS	Level 5	2021-22
A METHOD OF PRODUCING HIGH PERFORMANCE MAGNESIUM ALLOY SHEETS	Level 4	2021-22
FIELD EFFECT TRANSISTORS AND METHOD OF DEVELOPMENT THEREOF	Level 4	2021-22
ARTIFICIAL INTELLIGENCE ENABLED REMOTELY OPERATED UNDERWATER VEHICLE (AI-ROV) FOR HULL INSPECTION	Level 3	2021-22
ARTIFICIAL INTELLIGENCE (AI) BASED STRUCTURAL DEFECT DETECTION FROM UNDERWATER IMAGES AND VIDEOS	Level 3	2021-22

A SYSTEM FOR BLOCKCHAIN BASED MICROBLOGGING AND A METHOD THEREOF	Level 2	2021-22
AI BASED IMAGE PROCESSING, ANALYSIS, AND VISUALISATION SOFTWARE FOR AUTOMATED ANALYSIS AND DECISION REPORTING OF SHIP BUILDING WELDS USING CR BASED RADIOGRAPHY INSPECTION	Level 3	2021-22
A SOFTWARE FOR CONTROL AND DATA ACQUISITION WITH DATA IMAGING ANALYSIS AND AI BASED DECISION REPORTING FOR PHASED ARRAY ULTRASONIC TESTING (PAUT) INSPECTION OF SHIP WELDS USING FULL MATRIX CAPTURE (FM)	Level 3	2021-22
AI BASED DEFECT DETECTION AND RECOGNITION FOR AUTOMATED SHIP STRUCTURE WELD INSPECTION USING PHASED ARRAY ULTRASOUND BASED FMC/TFM TECHNOLOGY	Level 3	2021-22
A METHODOLOGY FOR THE CONSTRUCTION OF STRUCTURAL ELEMENTS USING CONCRETE 2D PRINTING	Level 4	2021-22
METHOD OF POSITIONING A NODE IN A CELLULAR NETWORK	Level 4	2021-22
METHOD AND DEVICE FOR TRACING THE MOTION OF BLOOD VESSEL BOUNDARIES	Level 6	2021-22
METHODS FOR IDENTIFYING THE BOUNDARIES OF A BLOOD VESSEL	Level 6	2021-22
EIGEN MODE SOLVER FOR TWO-MODE GRADED INDEX FEW MODE FIBER (FMF) USING FINITE DIFFERENCE METHOD (FDM)	Level 3	2021-22
METHODS OF POWER MANAGEMENT IN AN INTEGRATED ACCESS AND BACKHAUL NETWORK	Level 4	2021-22
THE CIRCULAR INDUCTION MOTOR OR THE CIM	Level 4	2021-22
A METHOD FOR DEGRADATION OF HARMFUL PERFLUOROALKYL SUBSTANCES	Level 4	2021-22
SURFACE UPGRADATION ALLOY FOR WEAR PROTECTION OF INDUSTRIAL COMPONENTS	Level 4	2021-22
MANNEQUIN BASED TRAINING SYSTEM AND SIMULATOR FOR OPHTHALMIC SUB-TENON ANAESTHESIA	Level 6	2021-22
MULTI MODAL IMAGING SYSTEM FOR X-RAY XEOL AND OPTICAL IMAGING APPLICATIONS	Level 4	2021-22
LASER INDUCED MICRO-BUBBLE BASED PATTERNING OF BIOLOGICAL MACROMOLECULES TOWARDS BIO-SENSING APPLICATIONS	Level 4	2021-22
METHOD AND SYSTEM FOR REAL-TIME RESTORATION OF IMAGES CAPTURED IN EXTREME LOW-LIGHT CONDITION	Level 4	2021-22
ELECTRONIC VARIABLE VALVE ACTUATION (EVA) SYSTEM FOR ADVANCED COMBUSTION ENGINES	Level 4	2021-22
STRUCTURE AND WINDING PATTERNS FOR 3-PHASE INDUCTION MOTOR WITH OUTER-ROTOR FOR LOW-POWER APPLICATIONS	Level 4	2021-22
A LUMINESCENCE-BASED METHOD OF DETECTING ARSENIC USING ATOMICALLY PRECISE NOBLE METAL NANOCLUSTER AND PHOSPHINE	Level 4	2021-22
SHORTHAND	Level 3	2021-22
PLANT EXTRACT LOADED TITANIUM DIOXIDE NANOTUBE BASED DRUG DELIVERY SYSTEM	Level 4	2021-22
A PRINTED ELECTRONIC STACK EMBEDDED IN A VEHICLE GLAZING	Level 4	2021-22
SINGLE-ELEMENT IMAGE-FREE ULTRASOUND PROBE	Level 3	2021-22

IMAGE-FREE ULTRASOUND VASCULAR HEALTH MONITORING DEVICE	Level 3	2021-22
A SYSTEM FOR ELECTRO EROSION AND A METHOD THEREOF	Level 1	2021-22
AIDesign Pvt. Ltd.	Level 1	2020-21
Swasthchain Pvt. Ltd.	Level 9	2020-21
Blue FMA Pvt. Ltd.	Level 1	2020-21
Smart Home Healthcare Pvt. Ltd.	Level 9	2020-21
Blunav Technologies Pvt. Ltd.	Level 7	2020-21
Dextroware Devices Pvt. Ltd.	Level 9	2020-21

Ventures/startups grown to turnover of 50 lacs

Name of startups	Company's Turnover	Financial Year
CISGEN Biotech Discoveries Pvt.Ltd.	15500000	2021-22
VayuJal Technologies Pvt.Ltd.	9000000	2021-22
Vasitars Pvt. Ltd.	30200000	2021-22
Kornerstone Devices Pvt.Ltd.	7500000	2021-22
Maximl Labs Pvt. Ltd.	94870000	2021-22
Gnanam Institute for Training in Advanced Analytics Pvt Ltd	24370000	2021-22
Solinas Integrity Pvt.Ltd.	16119000	2021-22
Esmito Solutions Pvt.Ltd.	32531000	2021-22
Qbiome Research Pvt. Ltd.	11201000	2021-22
Agnikul Cosmos Pvt. Ltd.	21626000	2021-22
Debriq Creative Labs Pvt Ltd	824994000	2021-22
Zmed Technologies Pvt. Ltd.	14800000	2021-22
Marmag Infra Pvt Ltd	10257000	2021-22
Buzzark Simulations Pvt Ltd	14730000	2021-22
Earth Fokus Earthwise Pvt Ltd	5262000	2021-22
Medcuore Medical Solutions Pvt. Ltd.	11117000	2021-22
Desicrew Solutions Pvt. Ltd.	181085000	2020-21
Intelizon Energy Pvt. Ltd.	24859000	2020-21
Stellapps Technologies Pvt. Ltd.	683581000	2020-21
Skillveri Training Solutions Pvt. Ltd.	16492000	2020-21
Ather Energy Pvt. Ltd.	863000000	2020-21
Greenvironment Innovation and Marketing India Pvt Ltd	19634000	2020-21
Medibuddy	228811000	2020-21

Engineering Project Management Consultancy and Research Pvt. Ltd.	15447000	2020-21
Gyan Data Pvt. Ltd.	24106000	2020-21
Hyperverge Technologies Pvt Ltd	357200000	2020-21
GUVI Geeks Network Pvt. Ltd.	77331000	2020-21
Cygni Energy Pvt. Ltd.	307197000	2020-21
Modulus Housing Solutions	824994398	2021-22
TAN90 Thermal Solutions	100000000	2021-22
TOCAL	21000000	2022-23
Uniphore Inc	5000000000	2022-23
Invention Labs Engineering Products Pvt. Ltd.	13954000	2022-23
Aaum Analytics Pvt. Ltd.	16987000	2022-23
Skillveri Training Solutions Pvt. Ltd.	35000000	2022-23
Ather Energy Pvt. Ltd.	10861000000	2022-23
Greenviroment Innovation and Marketing India Pvt. Ltd.	29533000	2022-23
Tharakan Web Innovations Pvt. Ltd. (Docswallet)	63250000	2022-23
Chakra Network Solutions Pvt. Ltd.	12993000	2022-23
Engineering Project Management Consultancy and Research Pvt. Ltd.	23400000	2022-23
Gyan Data Pvt. Ltd.	35812000	2022-23
Fibsol Technologies Pvt. Ltd.	19941000	2022-23
GUVI Geek Network Pvt Ltd	343235000	2022-23
Hydromaterials Pvt Ltd	68183000	2022-23
Cygni Energy Pvt. Ltd.	1066700000	2022-23
Dhvani Research and Development Solutions Pvt. Ltd.	136100000	2022-23
ZedBee Technologies Pvt. Ltd.	69350000	2022-23
Planys Technologies Pvt. Ltd.	84947000	2022-23
Udvavisk Technologies Pvt.Ltd.	7000000	2022-23
Fabheads Automations Pvt. Ltd.	32000000	2022-23
Neomotion Assistive Solutions Pvt.Ltd.	140000000	2022-23
Akxa Tech Pvt. Ltd.	91000000	2022-23
Conzumex Industries Pvt Ltd	7606000	2020-21
Detect Technologies Pvt. Ltd.	64476000	2020-21
Neomotion Assistive Solutions Pvt.Ltd.	13490000	2020-21
Crion Technologies Pvt.LTd.	5820000	2020-21

Akxa Tech Pvt. Ltd.	34668000	2020-21
InnoDI Water Technologies Pvt. Ltd	35798000	2020-21
Grinntech Motors & Services Pvt. Ltd.	14486000	2020-21
Least Count Technologies Pvt. Ltd.	8068000	2020-21
CISGEN Biotech Discoveries Pvt.Ltd.	7773000	2020-21
Vasitars Pvt. Ltd.	6284000	2020-21
Gnanam Institute for Training in Advanced Analytics Pvt Ltd	8772000	2020-21
Debriq Creative Labs Pvt Ltd	18727000	2020-21
Aikatmya Technology Pvt Ltd	20178000	2020-21
Marmag Infra Pvt Ltd	8000000	2020-21
Hydromaterials Pvt Ltd	223273000	2020-21
Least Count Technologies Pvt. Ltd.	11000000	2022-23
Rathi Aerospace Labs Pvt. Ltd.	6000000	2022-23
Qunu Labs Pvt. Ltd.	8535000	2022-23
CISGEN Biotech Discoveries Pvt.Ltd.	11958000	2022-23
VayuJal Technologies Pvt.Ltd.	10200000	2022-23
Vasitars Pvt. Ltd.	76470000	2022-23
Kornerstone Devices Pvt.Ltd.	10000000	2022-23
Maximl Labs Pvt. Ltd.	167405000	2022-23
Gnanam Institute for Training in Advanced Analytics Pvt. Ltd.	47665000	2022-23
Solinas Integrity Pvt.Ltd.	43500000	2022-23
Spheruler Solutions Pvt.Ltd.	5400000	2022-23
Esmite Solutions Pvt.Ltd.	24126000	2022-23
Mocero Health Solutions Pvt. Ltd.	10000000	2022-23
Debriq Creative Labs Pvt. Ltd.	850000000	2022-23
Zmed Technologies Pvt. Ltd.	18000000	2022-23
Curneu Medtech Innovations Pvt. Ltd.	7500000	2022-23
Medisim VR Pvt. Ltd.	25227000	2022-23
XYMA Analytics Pvt. Ltd.	6245000	2022-23
Meras Plugins Pvt. Ltd.	8600000	2022-23
Earth Fokus Earthwise Pvt. Ltd.	10055000	2022-23
Skillskapes Pvt. Ltd.	6100000	2022-23
Securweave Research Labs Pvt. Ltd.	5199000	2022-23

impensus Electronics Pvt. Ltd.	9500000	2022-23
Medcuore Medical Solutions Pvt. Ltd.	8500000	2022-23
Agrosperity Tech Solutions Pvt. Ltd.	17008000	2022-23
TailWinds Pvt. Ltd.	12500000	2022-23
Quanfluence Pvt. Ltd.	6500000	2022-23
Log 9 Materials Scientific Private Limited	744360000	2022-23
Desicrew Solutions Pvt. Ltd.	207250000	2021-22
Intelizon Energy Pvt. Ltd.	14375000	2021-22
Uniphore Inc	7020000000	2021-22
Invention Labs Engineering Products Pvt. Ltd.	26219000	2021-22
Aaum Analytics Pvt. Ltd.	19748000	2021-22
Arogyam Organic Foods Pvt. Ltd.	11776000	2021-22
Stellapps Technologies Pvt. Ltd.	970805000	2021-22
Edutor Technologies Pvt. Ltd.	21620000	2021-22
Skillveri Training Solutions Pvt. Ltd.	30655000	2021-22
Ather Energy Pvt. Ltd.	4139000000	2021-22
Greenenvironment Innovation and Marketing India Pvt Ltd	31131000	2021-22
Pi Beam Labs Pvt. Ltd.	13718000	2021-22
Medibuddy	2793106000	2021-22
Tharakan Web Innovations Pvt. Ltd.	78730000	2021-22
Chakra Network Solutions Pvt Ltd	12993000	2021-22
Engineering Project Management Consultancy and Research Pvt. Ltd.	13046000	2021-22
Gyan Data Pvt. Ltd.	29073000	2021-22
Hyperverge Technologies Pvt Ltd	707004000	2021-22
GUVI Geeks Network Pvt. Ltd.	174470000	2021-22
Cygni Energy Pvt. Ltd.	525105000	2021-22
Dhvani Research and Development Solutions Pvt. Ltd.	100179000	2020-21
Campus Labs Pvt. Ltd.	11649000	2020-21
ZedBee Technologies Pvt Ltd	53073000	2020-21
AirOk Technologies Pvt. Ltd.	25142000	2020-21
Planys Technologies Pvt. Ltd.	54114000	2020-21
Dhvani Research and Development Solutions Pvt. Ltd.	70117000	2021-22
Dhvani Analytic Intelligence Pvt. Ltd.	15628000	2021-22

Dhvani Inspection Technologies Pvt Ltd	5898000	2021-22
Campus Labs Pvt. Ltd.	14000000	2021-22
ZedBee Technologies Pvt Ltd	31728000	2021-22
Institute for Construction Materials and Technologies Pvt Ltd	7281000	2021-22
AirOk Technologies Pvt. Ltd.	21135000	2021-22
Planys Technologies Pvt. Ltd.	75048000	2021-22
Conzumex Industries Pvt Ltd	8401000	2021-22
Santa Fe Research Pvt Ltd	9000000	2021-22
Detect Technologies Pvt. Ltd.	85627000	2021-22
Fabheads Automations Pvt. Ltd.	7462000	2021-22
Neomotion Assistive Solutions Pvt.Ltd.	47739000	2021-22
Crion Technologies Pvt.LTd.	13782000	2021-22
Akxa Tech Pvt. Ltd.	71237000	2021-22
InnoDI Water Technologies Pvt. Ltd	8128000	2021-22
Grinntech Motors & Services Pvt. Ltd.	12109000	2021-22
Least Count Technologies Pvt. Ltd.	11444000	2021-22
Qunu Labs Pvt. Ltd.	13553000	2021-22

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
Kris Gopalakrishnan	M.Tech	1979	Infosys SF, President	2021
Narayanan (KK) Krishnakumar	B.Tech	1987	Delta Air Lines, VP and CTO	2023
Santhanam B	B.Tech	1978	Saint-Gobain India Pvt Ltd, MD	2023
Aparna Chennapragada	B.Tech	1999	Microsoft, Coporate VP	2023
Suresh Kumar	B.Tech	1987	Walmart Global Tech, CTO&CDO	2023
Sridhar Ramaswamy	B.Tech	1989	Snowflake, Learning Snowflake	2023
Rajesh Jha	B.Tech	1988	Microsoft, Executive VP	2023
Pavan Davuluri	B.Tech	1999	Microsoft, Corporate VP	2023
Anand Kripalu	B.Tech	1980	EPL Limited, MD & Global CEO	2021
TT Jagannathan	B.Tech	1970	TTK Prestige Ltd, Chairman	2021
Srinivasan Venkatachary	B.Tech	1996	Google, VP of Engineering	2023
Karthik Hariharan	B.Tech	1991	Apple, Director	2023
Puvvada Venugopal	M.S	1993	NXP, Sr.VP Eng	2023

Suman Prasad	B.Tech	1997	Google, Senior Director	2023
Vivek Sankaran	Bachelor of Science	1985	Albertsons Companies, CEO	2023
Satish Pai	B.Tech	1985	Hindalco Industries, MD	2021
Sriram Raghavan	B.Tech	1998	IBM, Vice President	2023
Prem Watsa	B.Tech	1971	Fairfax Financial Holdings, CE	2023
Maheshwar Saireddy	B.Tech	1998	Goldman Sachs, Partner	2023
Chandran Ratnaswami	B.Tech	1970	FAIRFAX INDIA HOLDINGS,CEO	2023
Ashish Dixit	B.Tech	1990	Aditya Birla Fashion, MD	2021
Dilip Venkatachari	B.Tech	1981	U.S. Bank, Chief SEVP	2021
Prabhakar Raghavan	B.Tech	1981	Google, Sr. VP	2023

Pre-incubation:expenditure/income

Financial Year	2022-23	2021-22	2020-21
Number of Pre-incubation units	45	88	87
Expenditure on pre-incubation activities	18669332	186888175	2945685
Income generated by institution through pre-incubation activities	1133824	63556	0

Incubation:expenditure/income

Financial Year	2022-23	2021-22	2020-21
Number of Incubation units	54	45	19
Expenditure on Incubation activities	285596000	110405000	83861000
Income generated by institution through Incubation activities	278749000	91285000	201643000

FDP

Academic year	Title of Course	FDP Sponsored /Supported by	Certificate Program Offering Department/Centre/ Unit Name	Program Start Date	Program End Date
2020-21	GDC I-NCUBATE Program Cohort 11	G. Deshpande, Kris Gopalakrish	Gopalakrishnan-Deshpande Centr	2020-08-27	2020-10-22
2020-21	GDC I-NCUBATE Program Cohort 12	G. Deshpande, Kris Gopalakrish	Gopalakrishnan-Deshpande Centr	2020-10-29	2020-12-24
2020-21	GDC I-NCUBATE Program Cohort 13	G. Deshpande, Kris Gopalakrish	Gopalakrishnan-Deshpande Centr	2020-12-31	2021-02-27
2020-21	GDC I-NCUBATE Program Cohort 14	G. Deshpande, Kris Gopalakrish	Gopalakrishnan-Deshpande Centr	2021-03-04	2021-04-30
2020-21	GDC I-NCUBATE Program Cohort 15	G. Deshpande, Kris Gopalakrish	Gopalakrishnan-Deshpande Centr	2021-05-07	2021-07-03
2021-22	GDC I-NCUBATE Program Cohort 16	G. Deshpande, Kris Gopalakrish	Gopalakrishnan-Deshpande Centr	2021-07-09	2021-09-04
2021-22	GDC I-NCUBATE Program Cohort 17	G. Deshpande, Kris Gopalakrish	Gopalakrishnan-Deshpande Centr	2021-09-03	2021-10-30
2021-22	GDC I-NCUBATE Program Cohort 18	G. Deshpande, Kris Gopalakrish	Gopalakrishnan-Deshpande Centr	2021-10-30	2021-01-12
2021-22	GDC I-NCUBATE Program Cohort 19	G. Deshpande, Kris Gopalakrish	Gopalakrishnan-Deshpande Centr	2021-12-22	2022-03-04

2021-22	GDC I-NCUBATE Program Cohort 20	G. Deshpande, Kris Gopalakrish	Gopalakrishnan-Deshpande Centr	2022-02-17	2022-04-30
2022-23	GDC I-NITIAE Program Cohort 01	G. Deshpande, Kris Gopalakrish	Gopalakrishnan-Deshpande Centr	2022-08-23	2022-08-27
2021-22	GDC I-NCUBATE Program Cohort 21	G. Deshpande, Kris Gopalakrish	Gopalakrishnan-Deshpande Centr	2022-05-05	2022-07-22
2022-23	GDC I-NCUBATE Program Cohort 22	G. Deshpande, Kris Gopalakrish	Gopalakrishnan-Deshpande Centr	2022-06-23	2022-09-01
2022-23	GDC I-NCUBATE Program Cohort 23	G. Deshpande, Kris Gopalakrish	Gopalakrishnan-Deshpande Centr	2022-09-07	2022-11-24
2022-23	GDC I-NCUBATE Program Cohort 24	G. Deshpande, Kris Gopalakrish	Gopalakrishnan-Deshpande Centr	2022-12-04	2023-01-28
2022-23	GDC I-NITIAE Program Cohort 02	G. Deshpande, Kris Gopalakrish	Gopalakrishnan-Deshpande Centr	2023-02-21	2023-02-23
2022-23	GDC I-NCUBATE Program Cohort 25	G. Deshpande, Kris Gopalakrish	Gopalakrishnan-Deshpande Centr	2023-02-26	2023-04-24
2022-23	GDC I-NCUBATE Program Cohort 26	G. Deshpande, Kris Gopalakrish	Gopalakrishnan-Deshpande Centr	2023-04-02	2023-05-13
2022-23	GDC I-GNITE Program XCarb Cohort	G. Deshpande, Kris Gopalakrish	Gopalakrishnan-Deshpande Centr	2023-11-14	2024-01-15

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
2020-21	Business Models and Innovation	MS9332	Core Course	UG&PG	Management Studies	6
2020-21	Managing Technology and Innovation for Manufacturing	MS7035	Core Course	UG&PG	Management Studies	6
2020-21	The Innovative Entrepreneur 2: Launching your venture	ID5102	Core Course	UG&PG	Applied Mechanics	6
2020-21	Strategies for Managing innovation	ED5317	Core Course	UG&PG	Engineering Design	9
2020-21	IPR Issues in Bio-technology	BT4280	Core Course	UG&PG	Engineering Design	9
2021-22	Marketing Tools : Strategies & Innovation (Marketing Management II)	MS5150	Core Course	UG&PG	Management Studies	6
2022-23	Technology Foresight and Innovation	MS5921	Core Course	UG&PG	Management Studies	6
2022-23	Innovative Entrepreneur - 1 Customer Discovery	ID5101	Core Course	UG&PG	Applied Mechanics	9
2022-23	Entrepreneurship	noc23-mg74	Core Course	UG/PG	IITM	3
2020-21	Patent Drafting for Beginners	noc20-hs25	Elective Course	UG/PG	IITM	1
2020-21	Patent Law for Engineers and Scientists	noc20-hs26	Elective Course	UG/PG	IITM	3
2020-21	Patent Drafting for Beginners	noc20-hs54	Elective Course	UG/PG	IITM	1
2020-21	Patent Law for Engineers and Scientists	noc20-hs55	Elective Course	UG/PG	IITM	3
2021-22	Patent Drafting for Beginners	noc21-hs14	Elective Course	UG/PG	IITM	1
2021-22	Patent Law for Engineers and Scientists	noc21-hs15	Elective Course	UG/PG	IITM	3
2021-22	Patent Drafting for Beginners	noc21-hs70	Elective Course	UG/PG	IITM	1

2021-22	Patent Law for Engineers and Scientists	noc21-hs71	Elective Course	UG/PG	IITM	3
2022-23	Patent Drafting for Beginners	noc22-hs04	Elective Course	UG/PG	IITM	1
2022-23	Patent Law for Engineers and Scientists	noc22-hs29	Elective Course	UG/PG	IITM	3
2022-23	Patent Drafting for Beginners	noc22-hs74	Elective Course	UG/PG	IITM	1
2022-23	Patent Law for Engineers and Scientists	noc22-hs87	Elective Course	UG/PG	IITM	3
2022-23	Patent Law for Engineers and Scientists	noc23-hs26	Elective Course	UG/PG	IITM	3
2022-23	Patent Drafting for Beginners	noc23-hs43	Elective Course	UG/PG	IITM	1
2022-23	Patent Drafting For Beginners	noc23-hs94	Elective Course	UG/PG	IITM	1
2022-23	Patent Law For Engineers And Scientists	noc23-hs97	Elective Course	UG/PG	IITM	3
2022-23	Offshore Structures Under Special Environmental Loads Including Fire Resistance	noc23-oe01	Elective Course	PG	IITM - NPTEL	3
2022-23	Introduction to Research	noc23-ge05	Elective Course	PG	IITM - NPTEL	2
2022-23	Non-conventional energy Resources	noc23-ge04	Elective Course	UG/PG	IITM - NPTEL	3
2022-23	Effective Engineering Teaching In Practice	noc23-ge03	Elective Course	PG	IITM - NPTEL	1
2022-23	Welding Processes	noc23-mm06	Elective Course	UG/PG	IITM - NPTEL	3
2022-23	Theory and Practice of Non Destructive Testing	noc23-mm05	Elective Course	UG/PG	IITM - NPTEL	2
2022-23	Steel Quality: Role of Secondary Refining & Continuous Casting	noc23-mm04	Elective Course	UG/PG	IITM - NPTEL	3
2022-23	Material Characterization	noc23-mm03	Core Course	UG/PG	IITM - NPTEL	3
2022-23	Fundamentals Of Electronic Materials And Devices	noc23-mm02	Elective Course	UG/PG	IITM - NPTEL	2
2022-23	Inverse Methods in Heat Transfer	noc23-me32	Elective Course	UG/PG	IITM - NPTEL	3
2022-23	Wheeled Mobile Robots	noc23-me30	Elective Course	UG/PG	IITM - NPTEL	2
2022-23	Explosions and Safety	noc23-me29	Elective Course	UG/PG	IITM - NPTEL	3
2022-23	Oil Hydraulics and Pneumatics	noc23-me28	Core Course	UG/PG	IITM - NPTEL	3
2022-23	Fundamentals of Combustion	noc23-me27	Core Course	UG/PG	IITM - NPTEL	3
2022-23	Fundamentals of combustion for propulsion	noc23-me12	Elective Course	PG	IITM - NPTEL	2
2022-23	Experimental Stress Analysis	noc23-me11	Elective Course	UG/PG	IITM - NPTEL	3
2022-23	Business Development: From Start to Scale	noc23-mg61	Core Course	UG/PG	IITM - NPTEL	3
2022-23	Leadership for India Inc: Practical Concepts and Constructs	noc23-mg26	Core Course	PG	IITM - NPTEL	3

2022-23	Design Thinking - A Primer	noc23-mg11	Elective Course	UG/PG	IITM - NPTEL	1
2022-23	Introduction to probability and Statistics	noc23-mg10	Core Course	UG/PG	IITM - NPTEL	1
2022-23	Introduction to Operations Research	noc23-mg09	Elective Course	UG/PG	IITM - NPTEL	2
2022-23	Learning English in Hindi	noc23-hs68	Elective Course	UG/PG	IITM - NPTEL	2
2022-23	Appreciating Hindustani Music	noc23-hs59	Elective Course	UG	IITM - NPTEL	2
2022-23	Literature and Life	noc23-hs58	Elective Course	UG	IITM - NPTEL	3
2022-23	Intellectual Property	noc23-hs55	Elective Course	UG/PG	IITM - NPTEL	3
2022-23	Modern Indian Writing in Translation	noc23-hs54	Elective Course	UG/PG	IITM - NPTEL	3
2022-23	American Literature & Culture	noc23-hs53	Elective Course	PG	IITM - NPTEL	3
2022-23	English Language for Competitive Exams	noc23-hs52	Elective Course	UG/PG	IITM - NPTEL	3
2022-23	Introduction to Cultural Studies	noc23-hs51	Elective Course	PG	IITM - NPTEL	3
2022-23	Twentieth Century Fiction	noc23-hs50	Elective Course	UG/PG	IITM - NPTEL	3
2022-23	Indian Fiction in English	noc23-hs49	Core Course	PG	IITM - NPTEL	3
2022-23	Introduction to World Literature	noc23-hs48	Elective Course	PG	IITM - NPTEL	3
2022-23	Globalization: Theoretical Perspectives	noc23-hs46	Core Course	PG	IITM - NPTEL	3
2022-23	Patent Drafting for Beginners	noc23-hs43	Elective Course	UG/PG	IITM - NPTEL	1
2022-23	German - III	noc23-hs29	Elective Course	UG/PG	IITM - NPTEL	3
2022-23	German - II	noc23-hs28	Elective Course	UG	IITM - NPTEL	3
2022-23	German - I	noc23-hs27	Elective Course	UG	IITM - NPTEL	3
2022-23	Patent Law for Engineers and Scientists	noc23-hs26	Elective Course	UG/PG	IITM - NPTEL	3
2022-23	Basics of language Science	noc23-hs21	Elective Course	UG/PG	IITM - NPTEL	3
2022-23	The Nineteenth - Century English Novel	noc23-hs20	Core Course	PG	IITM - NPTEL	3
2022-23	Modern Computer Vision	noc23-ee78	Elective Course	UG/PG	IITM - NPTEL	3
2022-23	Analog Electronic Circuits - IITM	noc23-ee77	Core Course	UG	IITM - NPTEL	3
2022-23	Optical Engineering	noc23-ee76	Elective Course	UG	IITM - NPTEL	3
2022-23	Circuit Analysis for Analog Designers	noc23-ee34	Elective Course	PG	IITM - NPTEL	3
2022-23	Stochastic Modeling and the Theory of Queues	noc23-ee30	Elective Course	PG	IITM - NPTEL	3
2022-23	Multirate DSP	noc23-ee28	Elective Course	UG/PG	IITM - NPTEL	3
2022-23	Control engineering	noc23-ee16	Core Course	UG/PG	IITM - NPTEL	3

2022-23	Transmission lines and electromagnetic waves	noc23-ee15	Core Course	PG	IITM - NPTEL	3
2022-23	Power Management Integrated Circuits	noc23-ee13	Elective Course	UG/PG	IITM - NPTEL	3
2022-23	Digital IC Design	noc23-ee11	Elective Course	UG	IITM - NPTEL	3
2022-23	Analog Ic Design	noc23-ee10	Elective Course	UG/PG	IITM - NPTEL	3
2022-23	Applied Econometrics	noc23-mg02	Elective Course	PG	IITM - NPTEL	3
2022-23	Introduction to Econometrics	noc23-mg01	Elective Course	UG	IITM - NPTEL	3
2022-23	Fundamentals of Automotive Systems	noc23-de01	Core Course	UG/PG	IITM - NPTEL	3
2022-23	Introduction to Machine Learning (Tamil)	noc23-cs33	Elective Course	UG/PG	IITM - NPTEL	2
2022-23	Reinforcement Learning	noc23-cs23	Elective Course	UG/PG	IITM - NPTEL	3
2022-23	Python for Data Science	noc23-cs21	Elective Course	UG	IITM - NPTEL	1
2022-23	Introduction to Machine Learning	noc23-cs18	Elective Course	UG/PG	IITM - NPTEL	3
2022-23	Data Science for Engineers	noc23-cs17	Elective Course	UG/PG	IITM - NPTEL	2
2022-23	AI:Constraint Satisfaction	noc23-cs14	Elective Course	UG/PG	IITM - NPTEL	2
2022-23	Information Security - 5 - Secure Systems Engineering	noc23-cs10	Elective Course	UG/PG	IITM - NPTEL	2
2022-23	Artificial Intelligence: Knowledge Representation And Reasoning	noc23-cs09	Elective Course	UG/PG	IITM - NPTEL	3
2022-23	Quantum Algorithms and Cryptography	noc23-cs04	Elective Course	UG/PG	IITM - NPTEL	3
2022-23	FEM & Constitutive Modelling in Geomechanics	noc23-ce53	Core Course	PG	IITM - NPTEL	3
2022-23	Analysis and Design of Bituminous Pavements	noc23-ce49	Core Course	PG	IITM - NPTEL	3
2022-23	Introduction to Lean Construction (Module 1 - Lean Basics)	noc23-ce22	Elective Course	UG/PG	IITM - NPTEL	1
2022-23	Characterization of Construction Materials	noc23-ce20	Elective Course	PG	IITM - NPTEL	3
2022-23	Maintenance and Repair of Concrete Structures	noc23-ce06	Elective Course	UG/PG	IITM - NPTEL	3
2022-23	Pericyclic Reactions and Organic Photochemistry	noc23-cy11	Core Course	PG	IITM - NPTEL	2
2022-23	Chemistry - II	noc23-cy08	Core Course	UG/PG	IITM - NPTEL	2
2022-23	Matlab Programming for Numerical Computation	noc23-ch42	Elective Course	UG/PG	IITM - NPTEL	3
2022-23	Environmental Quality Monitoring & Analysis	noc23-ch15	Elective Course	UG/PG	IITM - NPTEL	3
2022-23	Computational Fluid Dynamics	noc23-ch10	Elective Course	UG/PG	IITM - NPTEL	3
2022-23	Applied Time-Series Analysis	noc23-ch09	Core Course	PG	IITM - NPTEL	3

2022-23	Bioreactor Design and Analysis	noc23-bt22	Core Course	UG/PG	IITM - NPTEL	2
2022-23	Medical Biomaterials	noc23-bt17	Elective Course	UG/PG	IITM - NPTEL	2
2022-23	Demystifying The Brain	noc23-bt15	Elective Course	UG/PG	IITM - NPTEL	1
2022-23	Computational Systems Biology	noc23-bt14	Elective Course	UG/PG	IITM - NPTEL	3
2022-23	Biostatistics and Design of experiments	noc23-bt13	Core Course	UG/PG	IITM - NPTEL	2
2022-23	Bioinformatics: Algorithms and Applications	noc23-bt12	Core Course	UG/PG	IITM - NPTEL	3
2022-23	Biomechanics	noc23-bt04	Core Course	UG/PG	IITM - NPTEL	3
2022-23	Rocket Propulsion	noc23-ae03	Elective Course	UG/PG	IITM - NPTEL	3
2022-23	Computer Methods Of Structural Analysis Of Offshore Structures	noc22-oe04	Core Course	UG/PG	IITM - NPTEL	3
2022-23	Dynamics of Ocean Structures	noc22-oe03	Elective Course	PG	IITM - NPTEL	3
2022-23	Introduction to Biomimicry	noc22-ge24	Elective Course	UG/PG	IITM - NPTEL	2
2022-23	Introduction to Research	noc22-ge23	Elective Course	PG	IITM - NPTEL	2
2022-23	Neuroscience of Human Movements	noc22-ge21	Elective Course	UG/PG	IITM - NPTEL	3
2022-23	Welding science and technology(In Tamil)	noc22-mm43	Elective Course	UG	IITM - NPTEL	1
2022-23	Aluminium based Alloys and Metal Matrix Composites	noc22-mm41	Elective Course	UG/PG	IITM - NPTEL	3
2022-23	Mechanical Behavior of Materials	noc22-mm34	Core Course	UG/PG	IITM - NPTEL	3
2022-23	Nanotechnology, Science and Applications	noc22-mm33	Elective Course	UG	IITM - NPTEL	2
2022-23	Physics of materials	noc22-mm32	Core Course	UG/PG	IITM - NPTEL	3
2022-23	Powder Metallurgy	noc22-mm31	Elective Course	UG/PG	IITM - NPTEL	3
2022-23	Welding of Advanced High Strength Steels for Automotive Applications	noc22-mm30	Elective Course	PG	IITM - NPTEL	1
2022-23	Fundamentals of electronic device fabrication	noc22-mm29	Elective Course	UG/PG	IITM - NPTEL	1
2022-23	Elementary Stereology for Quantitative Metallography	noc22-mm28	Elective Course	UG/PG	IITM - NPTEL	1
2022-23	Computational Fluid Dynamics using Finite Volume Method	noc22-me89	Elective Course	UG/PG	IITM - NPTEL	3
2022-23	Thermodynamics	noc22-me88	Core Course	UG	IITM - NPTEL	3
2022-23	Foundation of Computational Fluid Dynamics	noc22-me85	Elective Course	UG	IITM - NPTEL	2
2022-23	Engineering Fracture Mechanics	noc22-me83	Core Course	UG/PG	IITM - NPTEL	3
2022-23	Combinatorics	noc22-ma67	Elective Course	UG	IITM - NPTEL	3
2022-23	Entrepreneurship	noc22-mg81	Core Course	UG/PG	IITM - NPTEL	3

2022-23	The Future of Manufacturing Business: Role of Digital Technologies	noc22-mg79	Elective Course	UG/PG	IITM - NPTEL	2
2022-23	Design Thinking - A Primer	noc22-mg75	Elective Course	UG/PG	IITM - NPTEL	1
2022-23	Operations and supply chain management	noc22-mg74	Elective Course	UG/PG	IITM - NPTEL	3
2022-23	German - III	noc22-hs141	Elective Course	UG/PG	IITM - NPTEL	3
2022-23	Literary and Cultural Disability Studies: An Exploration	noc22-hs138	Elective Course	PG	IITM - NPTEL	3
2022-23	Managing Intellectual Property in Universities	noc22-hs104	Elective Course	UG	IITM - NPTEL	1
2022-23	Postmodernism in Literature	noc22-hs103	Elective Course	PG	IITM - NPTEL	2
2022-23	Introduction to Film Studies	noc22-hs95	Elective Course	UG	IITM - NPTEL	3
2022-23	Literary Theory and Literary Criticism	noc22-hs94	Core Course	PG	IITM - NPTEL	2
2022-23	Poetry	noc22-hs93	Core Course	UG/PG	IITM - NPTEL	3
2022-23	Classical Sociological Theory	noc22-hs92	Core Course	UG/PG	IITM - NPTEL	3
2022-23	The Popular Gothic Novel	noc22-hs91	Elective Course	UG/PG	IITM - NPTEL	3
2022-23	German - II	noc22-hs89	Elective Course	UG	IITM - NPTEL	3
2022-23	German - I	noc22-hs88	Elective Course	UG	IITM - NPTEL	3
2022-23	Patent Law for Engineers and Scientists	noc22-hs87	Elective Course	UG/PG	IITM - NPTEL	3
2022-23	Appreciating Carnatic Music	noc22-hs86	Elective Course	UG/PG	IITM - NPTEL	2
2022-23	Applied Linguistics	noc22-hs85	Core Course	UG/PG	IITM - NPTEL	3
2020-21	Engineering Fracture Mechanics	noc20-me47	Core Course	UG/PG	IITM - NPTEL	3
2020-21	Engineering Fracture Mechanics	noc20-me47	Core Course	UG/PG	IITM - NPTEL	3
2020-21	Computer Aided Drug Design	noc20-bt23	Core Course	UG/PG	IITM - NPTEL	2
2020-21	Principles Of Downstream Techniques In Bioprocess	noc20-bt25	Elective Course	UG/PG	IITM - NPTEL	3
2020-21	Transport Phenomena in Biological Systems	noc20-bt30	Core Course	UG/PG	IITM - NPTEL	3
2020-21	Tissue engineering	noc20-bt33	Elective Course	PG	IITM - NPTEL	2
2020-21	Introduction to Developmental Biology	noc20-bt35	Elective Course	UG/PG	IITM - NPTEL	3
2020-21	Colloids and Surfaces	noc20-ch36	Elective Course	UG/PG	IITM - NPTEL	2
2020-21	Polymers: concepts, properties, uses and sustainability	noc20-ch41	Elective Course	UG	IITM - NPTEL	3
2020-21	Application of Spectroscopic Methods in Molecular Structure Determination	noc20-cy23	Elective Course	UG/PG	IITM - NPTEL	2
2020-21	Project Planning & Control	noc20-ce44	Elective Course	UG	IITM - NPTEL	2

2020-21	Advanced Concrete Technology	noc20-ce45	Elective Course	PG	IITM - NPTEL	3
2020-21	Design of Masonry Structures	noc20-ce55	Elective Course	UG/PG	IITM - NPTEL	3
2020-21	Data Science for Engineers	noc20-cs72	Elective Course	UG/PG	IITM - NPTEL	2
2020-21	Introduction to Machine Learning	noc20-cs73	Elective Course	UG/PG	IITM - NPTEL	3
2020-21	Reinforcement Learning	noc20-cs74	Elective Course	UG/PG	IITM - NPTEL	3
2020-21	Python for Data Science	noc20-cs80	Elective Course	UG	IITM - NPTEL	1
2020-21	Artificial Intelligence Search Methods For Problem Solving	noc20-cs81	Elective Course	UG	IITM - NPTEL	3
2020-21	C Programming and Assembly Language	noc20-cs94	Elective Course	UG	IITM - NPTEL	1
2020-21	Practical Machine Learning with Tensorflow	noc20-cs95	Elective Course	UG	IITM - NPTEL	2
2020-21	Functional and Conceptual Design	noc20-de10	Core Course	UG/PG	IITM - NPTEL	3
2020-21	Introduction to robotics	noc20-de11	Core Course	UG/PG	IITM - NPTEL	3
2020-21	Introduction to Wireless and Cellular Communications	noc20-ee61	Elective Course	PG	IITM - NPTEL	3
2020-21	Control engineering	noc20-ee62	Core Course	UG/PG	IITM - NPTEL	3
2020-21	Fiber Optic Communication Technology	noc20-ee79	Elective Course	UG/PG	IITM - NPTEL	3
2020-21	Probability Foundations for Electrical Engineers	noc20-ee82	Core Course	PG	IITM - NPTEL	3
2020-21	Image Signal Processing	noc20-ee83	Elective Course	UG/PG	IITM - NPTEL	3
2020-21	Linear System Theory	noc20-ee92	Elective Course	UG/PG	IITM - NPTEL	3
2020-21	Fundamentals of Electric vehicles: Technology & Economics	noc20-ee99	Elective Course	UG/PG	IITM - NPTEL	2
2020-21	Short Fiction in Indian Literature	noc20-hs49	Elective Course	UG/PG	IITM - NPTEL	3
2020-21	Applied Linguistics	noc20-hs51	Core Course	UG/PG	IITM - NPTEL	3
2020-21	History of English Language and Literature	noc20-hs52	Core Course	UG/PG	IITM - NPTEL	3
2020-21	Managing Intellectual Property in Universities	noc20-hs53	Elective Course	UG	IITM - NPTEL	1
2020-21	Patent Drafting for Beginners	noc20-hs54	Elective Course	UG/PG	IITM - NPTEL	1
2020-21	Patent Law for Engineers and Scientists	noc20-hs55	Elective Course	UG/PG	IITM - NPTEL	3
2020-21	Technical English for Engineers	noc20-hs56	Elective Course	UG	IITM - NPTEL	2
2020-21	Feminist Writings	noc20-hs58	Elective Course	UG/PG	IITM - NPTEL	3
2020-21	Gender and literature	noc20-hs59	Elective Course	UG/PG	IITM - NPTEL	2
2020-21	Postmodernism in Literature	noc20-hs62	Elective Course	PG	IITM - NPTEL	2
2020-21	Film Appreciation	noc20-hs63	Elective Course	UG	IITM - NPTEL	2

2020-21	Poetry	noc20-hs64	Core Course	UG/PG	IITM - NPTEL	3
2020-21	The Popular Gothic Novel	noc20-hs65	Elective Course	UG/PG	IITM - NPTEL	3
2020-21	Appreciating Linguistics: A typological approach	noc20-hs69	Elective Course	UG	IITM - NPTEL	3
2020-21	Classical Sociological Theory	noc20-hs76	Core Course	UG/PG	IITM - NPTEL	3
2020-21	German - I	noc20-hs87	Elective Course	UG	IITM - NPTEL	3
2020-21	German - II	noc20-hs88	Elective Course	UG	IITM - NPTEL	3
2020-21	Appreciating Carnatic Music	noc20-hs90	Elective Course	UG/PG	IITM - NPTEL	2
2020-21	Design Thinking - A Primer	noc20-mg38	Elective Course	UG/PG	IITM - NPTEL	1
2020-21	The Future of Manufacturing Business: Role of Additive Manufacturing	noc20-mg70	Elective Course	UG/PG	IITM - NPTEL	2
2020-21	Foundation of Computational Fluid Dynamics	noc20-me64	Elective Course	UG	IITM - NPTEL	2
2020-21	Fluid dynamics and turbomachines	noc20-me75	Elective Course	UG/PG	IITM - NPTEL	2
2020-21	Computational Fluid Dynamics using Finite Volume Method	noc20-me82	Elective Course	UG/PG	IITM - NPTEL	3
2020-21	Elementary Stereology for Quantitative Metallography	noc20-mm15	Elective Course	UG/PG	IITM - NPTEL	1
2020-21	Welding of Advanced High Strength Steels for Automotive Applications	noc20-mm16	Elective Course	PG	IITM - NPTEL	1
2020-21	Physics Of Materials	noc20-mm17	Core Course	UG/PG	IITM - NPTEL	3
2020-21	Powder Metallurgy	noc20-mm21	Elective Course	UG/PG	IITM - NPTEL	3
2020-21	Fundamentals of electronic device fabrication	noc20-mm25	Elective Course	UG/PG	IITM - NPTEL	1
2020-21	Introduction to Research	noc20-ge22	Elective Course	PG	IITM - NPTEL	2
2020-21	Neuroscience of Human Movements	noc20-ge17	Elective Course	UG/PG	IITM - NPTEL	3
2020-21	Dynamics of Ocean Structures	noc20-oe02	Elective Course	PG	IITM - NPTEL	3
2020-21	Computer Methods Of Structural Analysis Of Offshore Structures	noc20-oe03	Core Course	UG/PG	IITM - NPTEL	3
2020-21	Rocket Propulsion	noc21-ae01	Elective Course	UG/PG	IITM - NPTEL	3
2020-21	English language for competitive exams	noc21-hs16	Elective Course	UG/PG	IITM - NPTEL	3
2020-21	Introduction to Film Studies	noc21-hs17	Elective Course	UG	IITM - NPTEL	3
2020-21	Introduction to Cultural Studies	noc21-hs24	Elective Course	PG	IITM - NPTEL	3
2020-21	Literary Criticism (From Plato to Leavis)	noc21-hs25	Core Course	PG	IITM - NPTEL	3
2020-21	Modern Indian Writing in Translation	noc21-hs27	Elective Course	UG/PG	IITM - NPTEL	3

2020-21	The Nineteenth - Century English Novel	noc21-hs28	Core Course	PG	IITM - NPTEL	3
2020-21	German - I	noc21-hs30	Elective Course	UG	IITM - NPTEL	3
2020-21	German - II	noc21-hs31	Elective Course	UG	IITM - NPTEL	3
2020-21	Twentieth Century Fiction	noc21-hs36	Elective Course	UG/PG	IITM - NPTEL	3
2020-21	Introduction to Political Ideologies : Contexts, Ideas, and Practices	noc21-hs38	Elective Course	UG/PG	IITM - NPTEL	3
2020-21	Globalization: Theoretical Perspectives	noc21-hs43	Core Course	PG	IITM - NPTEL	3
2020-21	Design Thinking - A Primer	noc21-mg04	Elective Course	UG/PG	IITM - NPTEL	1
2020-21	Leadership for India Inc: Practical Concepts and Constructs	noc21-mg35	Core Course	PG	IITM - NPTEL	3
2020-21	Introduction to Operations Research	noc21-mg43	Elective Course	UG/PG	IITM - NPTEL	2
2020-21	Introduction to probability and Statistics	noc21-ma01	Core Course	UG/PG	IITM - NPTEL	1
2020-21	Introduction to Commutative Algebra	noc21-ma26	Elective Course	PG	IITM - NPTEL	3
2020-21	Explosions and Safety	noc21-me28	Elective Course	UG/PG	IITM - NPTEL	3
2020-21	Wheeled Mobile Robots	noc21-me44	Elective Course	UG/PG	IITM - NPTEL	2
2020-21	Fundamentals of Combustion	noc21-me47	Core Course	UG/PG	IITM - NPTEL	3
2020-21	Oil Hydraulics and Pneumatics	noc21-me51	Core Course	UG/PG	IITM - NPTEL	3
2020-21	Mechanics of Human Movement	noc21-me52	Elective Course	UG/PG	IITM - NPTEL	3
2020-21	Fundamentals of combustion for propulsion	noc21-me61	Elective Course	PG	IITM - NPTEL	2
2020-21	Welding Processes	noc21-mm01	Elective Course	UG/PG	IITM - NPTEL	3
2020-21	Theory and Practice of Non Destructive Testing	noc21-mm02	Elective Course	UG/PG	IITM - NPTEL	2
2020-21	Fundamentals Of Electronic Materials and Devices	noc21-mm03	Elective Course	UG/PG	IITM - NPTEL	2
2020-21	Steel Quality: Role of Secondary Refining & Continuous Casting	noc21-mm06	Elective Course	UG/PG	IITM - NPTEL	3
2020-21	Material Characterization	noc21-mm07	Core Course	UG/PG	IITM - NPTEL	3
2020-21	Effective Engineering Teaching In Practice	noc21-ge02	Elective Course	PG	IITM - NPTEL	1
2020-21	Introduction to Research	noc21-ge03	Elective Course	PG	IITM - NPTEL	2
2020-21	Non-Conventional Energy Resources	noc21-ge04	Elective Course	UG/PG	IITM - NPTEL	3
2020-21	Matlab Programming for Numerical Computation	noc21-ge10	Elective Course	UG/PG	IITM - NPTEL	2
2020-21	Offshore Structures Under Special Environmental Loads Including Fire Resistance	noc21-oe01	Elective Course	PG	IITM - NPTEL	3

2021-22	Engineering Fracture Mechanics	noc21-me71	Core Course	UG/PG	IITM - NPTEL	3
2021-22	Principles Of Downstream Techniques In Bioprocess	noc21-bt27	Elective Course	UG/PG	IITM - NPTEL	3
2021-22	Computer Aided Drug Design	noc21-bt29	Core Course	UG/PG	IITM - NPTEL	2
2021-22	Tissue engineering	noc21-bt33	Elective Course	PG	IITM - NPTEL	2
2021-22	Transport Phenomena in Biological Systems	noc21-bt40	Core Course	UG/PG	IITM - NPTEL	3
2021-22	Introduction to Developmental Biology	noc21-bt43	Elective Course	UG/PG	IITM - NPTEL	3
2021-22	Introduction to Biomedical Imaging Systems	noc21-bt50	Core Course	UG/PG	IITM - NPTEL	3
2021-22	Colloids and Surfaces	noc21-ch48	Elective Course	UG/PG	IITM - NPTEL	2
2021-22	Polymers: concepts, properties, uses and sustainability	noc21-ch49	Elective Course	UG	IITM - NPTEL	3
2021-22	Project Planning & Control	noc21-ce50	Elective Course	UG	IITM - NPTEL	2
2021-22	Data Science for Engineers	noc21-cs69	Elective Course	UG/PG	IITM - NPTEL	2
2021-22	Introduction to Machine Learning - IITM	noc21-cs70	Elective Course	UG/PG	IITM - NPTEL	3
2021-22	Reinforcement Learning	noc21-cs71	Elective Course	UG/PG	IITM - NPTEL	3
2021-22	Python for Data Science	noc21-cs78	Elective Course	UG	IITM - NPTEL	1
2021-22	Artificial Intelligence Search Methods For Problem Solving	noc21-cs79	Elective Course	UG	IITM - NPTEL	3
2021-22	C Programming and Assembly Language	noc21-cs81	Elective Course	UG	IITM - NPTEL	1
2021-22	Introduction to Quantum Computing: Quantum Algorithms and Qiskit	noc21-cs103	Elective Course	UG/PG	IITM - NPTEL	1
2021-22	Functional and Conceptual Design	noc21-de12	Core Course	UG/PG	IITM - NPTEL	3
2021-22	Introduction to robotics	noc21-de13	Core Course	UG/PG	IITM - NPTEL	3
2021-22	Environmental & Resource Economics	noc21-hs56	Elective Course	UG/PG	IITM - NPTEL	3
2021-22	Introduction to Wireless and Cellular Communications	noc21-ee66	Elective Course	PG	IITM - NPTEL	3
2021-22	Control engineering	noc21-ee67	Core Course	UG/PG	IITM - NPTEL	3
2021-22	Optical Engineering	noc21-ee81	Elective Course	UG	IITM - NPTEL	3
2021-22	Introduction to Photonics	noc21-ee87	Elective Course	UG/PG	IITM - NPTEL	3
2021-22	Computational Electromagnetics	noc21-ee91	Elective Course	PG	IITM - NPTEL	3
2021-22	Probability Foundations for Electrical Engineers	noc21-ee92	Core Course	PG	IITM - NPTEL	3
2021-22	Stochastic Modeling and the Theory of Queues	noc21-ee93	Elective Course	PG	IITM - NPTEL	3

2021-22	Integrated Photonics Devices and Circuits	noc21-ee98	Elective Course	UG/PG	IITM - NPTEL	3
2021-22	Image Signal Processing	noc21-ee100	Elective Course	UG/PG	IITM - NPTEL	3
2021-22	Electric vehicles and Renewable energy	noc21-ee112	Elective Course	UG/PG	IITM - NPTEL	3
2021-22	Linear Systems Theory	noc21-ee113	Elective Course	UG/PG	IITM - NPTEL	3
2021-22	Fiber Optic Communication Technology	noc21-ee114	Elective Course	UG/PG	IITM - NPTEL	3
2021-22	Literary and Cultural Disability Studies: An Exploration	noc21-hs58	Elective Course	PG	IITM - NPTEL	3
2021-22	American Literature & Culture	noc21-hs63	Elective Course	PG	IITM - NPTEL	3
2021-22	Short Fiction in Indian Literature	noc21-hs66	Elective Course	UG/PG	IITM - NPTEL	3
2021-22	Applied Linguistics	noc21-hs67	Core Course	UG/PG	IITM - NPTEL	3
2021-22	History of English Language and Literature	noc21-hs68	Core Course	UG/PG	IITM - NPTEL	3
2021-22	Managing Intellectual Property in Universities	noc21-hs69	Elective Course	UG	IITM - NPTEL	1
2021-22	Patent Drafting for Beginners	noc21-hs70	Elective Course	UG/PG	IITM - NPTEL	1
2021-22	Patent Law for Engineers and Scientists	noc21-hs71	Elective Course	UG/PG	IITM - NPTEL	3
2021-22	Film Appreciation	noc21-hs72	Elective Course	UG	IITM - NPTEL	2
2021-22	Feminist Writings	noc21-hs73	Elective Course	UG/PG	IITM - NPTEL	3
2021-22	Trauma and Literature	noc21-hs74	Elective Course	PG	IITM - NPTEL	3
2021-22	Twentieth Century American Drama	noc21-hs75	Elective Course	PG	IITM - NPTEL	3
2021-22	Appreciating Linguistics: A typological approach	noc21-hs78	Elective Course	UG	IITM - NPTEL	3
2021-22	German - I	noc21-hs79	Elective Course	UG	IITM - NPTEL	3
2021-22	German - II	noc21-hs80	Elective Course	UG	IITM - NPTEL	3
2021-22	Appreciating Carnatic Music	noc21-hs95	Elective Course	UG/PG	IITM - NPTEL	2
2021-22	The Popular Gothic Novel	noc21-hs97	Elective Course	UG/PG	IITM - NPTEL	3
2021-22	Classical Sociological Theory	noc21-hs98	Core Course	UG/PG	IITM - NPTEL	3
2021-22	Poetry	noc21-hs99	Core Course	UG/PG	IITM - NPTEL	3
2021-22	Design Thinking - A Primer	noc21-mg53	Elective Course	UG/PG	IITM - NPTEL	1
2021-22	Entrepreneurship	noc21-mg70	Core Course	UG/PG	IITM - NPTEL	3
2021-22	Operations and supply chain management	noc21-mg79	Elective Course	UG/PG	IITM - NPTEL	3
2021-22	Infrastructure Planning and Managements	noc21-mg81	Elective Course	UG/PG	IITM - NPTEL	3

2021-22	The Future of Manufacturing Business: Role of Digital Technologies	noc21-mg83	Elective Course	UG/PG	IITM - NPTEL	2
2021-22	Combinatorics	noc21-ma68	Elective Course	UG	IITM - NPTEL	3
2021-22	Foundation of Computational Fluid Dynamics	noc21-me77	Elective Course	UG	IITM - NPTEL	2
2021-22	Foundations of Computational Materials Modelling	noc21-me107	Elective Course	PG	IITM - NPTEL	3
2021-22	Computational Fluid Dynamics using Finite Volume Method	noc21-me112	Elective Course	UG/PG	IITM - NPTEL	3
2021-22	Fluid dynamics and turbomachines	noc21-me118	Elective Course	UG/PG	IITM - NPTEL	2
2021-22	Welding of Advanced High Strength Steels for Automotive Applications	noc21-mm19	Elective Course	PG	IITM - NPTEL	1
2021-22	Physics Of Materials	noc21-mm20	Core Course	UG/PG	IITM - NPTEL	3
2021-22	Elementary Stereology for Quantitative Metallography	noc21-mm25	Elective Course	UG/PG	IITM - NPTEL	1
2021-22	Fundamentals of electronic device fabrication	noc21-mm26	Elective Course	UG/PG	IITM - NPTEL	1
2021-22	Mechanical Behavior of Materials	noc21-mm27	Core Course	UG/PG	IITM - NPTEL	3
2021-22	Powder Metallurgy	noc21-mm33	Elective Course	UG/PG	IITM - NPTEL	3
2021-22	Introduction to Research	noc21-ge15	Elective Course	PG	IITM - NPTEL	2
2021-22	Neuroscience of Human Movements	noc21-ge17	Elective Course	UG/PG	IITM - NPTEL	3
2021-22	Dynamics of Ocean Structures	noc21-oe02	Elective Course	PG	IITM - NPTEL	3
2021-22	Computer Methods Of Structural Analysis Of Offshore Structures	noc21-oe03	Core Course	UG/PG	IITM - NPTEL	3
2021-22	Rocket Propulsion	noc22-ae03	Elective Course	UG/PG	IITM - NPTEL	3
2021-22	Experimental Stress Analysis	noc22-me67	Elective Course	UG/PG	IITM - NPTEL	3
2021-22	Computational Systems Biology	noc22-bt03	Elective Course	UG/PG	IITM - NPTEL	3
2021-22	BioInformatics: Algorithms and Applications	noc22-bt12	Core Course	UG/PG	IITM - NPTEL	3
2021-22	Biostatistics and Design of experiments	noc22-bt13	Core Course	UG/PG	IITM - NPTEL	2
2021-22	Demystifying The Brain	noc22-bt14	Elective Course	UG/PG	IITM - NPTEL	1
2021-22	Medical Biomaterials	noc22-bt15	Elective Course	UG/PG	IITM - NPTEL	2
2021-22	Bioreactor Design and Analysis	noc22-bt19	Core Course	UG/PG	IITM - NPTEL	2
2021-22	Applied Time-Series Analysis	noc22-ch19	Core Course	PG	IITM - NPTEL	3
2021-22	Computational Fluid Dynamics	noc22-ch20	Elective Course	UG/PG	IITM - NPTEL	3
2021-22	Environmental Quality Monitoring & Analysis	noc22-ch33	Elective Course	UG/PG	IITM - NPTEL	3

2021-22	Electrochemical impedance Spectroscopy	noc22-cy16	Elective Course	PG	IITM - NPTEL	3
2021-22	Pericyclic Reactions and Organic Photochemistry	noc22-cy25	Core Course	PG	IITM - NPTEL	2
2021-22	Chemistry: Atomic Structure and Chemical Bonding	noc22-cy36	Core Course	UG/PG	IITM - NPTEL	3
2021-22	Geosynthetics And Reinforced Soil Structures	noc22-ce11	Elective Course	PG	IITM - NPTEL	3
2021-22	Maintenance and Repair of Concrete Structures	noc22-ce12	Elective Course	UG/PG	IITM - NPTEL	3
2021-22	Modern Construction Materials	noc22-ce13	Core Course	UG/PG	IITM - NPTEL	3
2021-22	Advanced Topics in the Science and Technology of Concrete	noc22-ce18	Elective Course	PG	IITM - NPTEL	1
2021-22	Introduction to Lean Construction (Module 1 - Lean Basics)	noc22-ce49	Elective Course	UG/PG	IITM - NPTEL	1
2021-22	Artificial Intelligence: Knowledge Representation And Reasoning	noc22-cs02	Elective Course	UG/PG	IITM - NPTEL	3
2021-22	AI:Constraint Satisfaction	noc22-cs06	Elective Course	UG/PG	IITM - NPTEL	2
2021-22	Information Security - 5 - Secure Systems Engineering	noc22-cs23	Elective Course	UG/PG	IITM - NPTEL	2
2021-22	Data Science for Engineers	noc22-cs28	Elective Course	UG/PG	IITM - NPTEL	2
2021-22	Introduction to Machine Learning	noc22-cs29	Elective Course	UG/PG	IITM - NPTEL	3
2021-22	Python for Data Science	noc22-cs32	Elective Course	UG	IITM - NPTEL	1
2021-22	Reinforcement Learning	noc22-cs34	Elective Course	UG/PG	IITM - NPTEL	3
2021-22	Introduction to Machine Learning (Tamil)	noc22-cs58	Elective Course	UG/PG	IITM - NPTEL	1
2021-22	Fundamentals of Automotive Systems	noc22-de02	Core Course	UG/PG	IITM - NPTEL	3
2021-22	Introduction to Econometrics	noc22-hs66	Elective Course	UG	IITM - NPTEL	3
2021-22	Control engineering	noc22-ee31	Core Course	UG/PG	IITM - NPTEL	3
2021-22	Multirate DSP	noc22-ee32	Elective Course	UG/PG	IITM - NPTEL	3
2021-22	Circuit Analysis for Analog Designers	noc22-ee34	Elective Course	PG	IITM - NPTEL	3
2021-22	Analog Ic Design	noc22-ee37	Elective Course	UG/PG	IITM - NPTEL	3
2021-22	Digital IC Design	noc22-ee38	Elective Course	UG	IITM - NPTEL	3
2021-22	Nonlinear System Analysis	noc22-ee01	Elective Course	UG/PG	IITM - NPTEL	3
2021-22	Power Management Integrated Circuits	noc22-ee41	Elective Course	UG/PG	IITM - NPTEL	3
2021-22	Transmission lines and electromagnetic waves	noc22-ee43	Core Course	PG	IITM - NPTEL	3
2021-22	Applied Linear Algebra	noc22-ee02	Core Course	UG/PG	IITM - NPTEL	3
2021-22	Optical Fiber Sensors	noc22-ee67	Elective Course	UG/PG	IITM - NPTEL	3

2021-22	Patent Drafting for Beginners	noc22-hs04	Elective Course	UG/PG	IITM - NPTEL	1
2021-22	The Nineteenth - Century English Novel	noc22-hs06	Core Course	PG	IITM - NPTEL	3
2021-22	Basics of language Science	noc22-hs24	Elective Course	UG/PG	IITM - NPTEL	3
2021-22	Introduction to Political Ideologies : Contexts, Ideas, and Practices	noc22-hs27	Elective Course	UG/PG	IITM - NPTEL	3
2021-22	Patent Law for Engineers and Scientists	noc22-hs29	Elective Course	UG/PG	IITM - NPTEL	3
2021-22	German - I	noc22-hs30	Elective Course	UG	IITM - NPTEL	3
2021-22	German - II	noc22-hs31	Elective Course	UG	IITM - NPTEL	3
2021-22	English Literature for competitive exams	noc22-hs33	Elective Course	UG	IITM - NPTEL	2
2021-22	Technical English for Engineers	noc22-hs34	Elective Course	UG	IITM - NPTEL	2
2021-22	Literature and Life	noc22-hs01	Elective Course	UG	IITM - NPTEL	3
2021-22	Globalization: Theoretical Perspectives	noc22-hs38	Core Course	PG	IITM - NPTEL	3
2021-22	German - III	noc22-hs32	Elective Course	UG/PG	IITM - NPTEL	3
2021-22	Modern Indian Writing in Translation	noc22-hs52	Elective Course	UG/PG	IITM - NPTEL	3
2021-22	Twentieth Century Fiction	noc22-hs53	Elective Course	UG/PG	IITM - NPTEL	3
2021-22	Introduction to Cultural Studies	noc22-hs54	Elective Course	PG	IITM - NPTEL	3
2021-22	Introduction to World Literature	noc22-hs55	Elective Course	PG	IITM - NPTEL	3
2021-22	Literary Criticism (From Plato to Leavis)	noc22-hs56	Core Course	PG	IITM - NPTEL	3
2021-22	Appreciating Hindustani Music	noc22-hs57	Elective Course	UG	IITM - NPTEL	2
2021-22	Intellectual Property	noc22-hs59	Elective Course	UG/PG	IITM - NPTEL	3
2021-22	Introduction to Operations Research	noc22-mg30	Elective Course	UG/PG	IITM - NPTEL	2
2021-22	Introduction to probability and Statistics	noc22-mg31	Core Course	UG/PG	IITM - NPTEL	1
2021-22	Design Thinking - A Primer	noc22-mg32	Elective Course	UG/PG	IITM - NPTEL	1
2021-22	Strategy and Technology: A Practical Primer	noc22-mg01	Core Course	UG/PG	IITM - NPTEL	3
2021-22	Leadership for India Inc: Practical Concepts and Constructs	noc22-mg37	Core Course	PG	IITM - NPTEL	3
2021-22	Fundamentals of combustion for propulsion	noc22-me33	Elective Course	PG	IITM - NPTEL	2
2021-22	Fundamentals of Combustion	noc22-me35	Core Course	UG/PG	IITM - NPTEL	3
2021-22	Oil Hydraulics and Pneumatics	noc22-me36	Core Course	UG/PG	IITM - NPTEL	3
2021-22	Explosions and Safety	noc22-me37	Elective Course	UG/PG	IITM - NPTEL	3

2021-22	Wheeled Mobile Robots	noc22-me38	Elective Course	UG/PG	IITM - NPTEL	2
2021-22	Welding Processes	noc22-mm03	Elective Course	UG/PG	IITM - NPTEL	3
2021-22	Fundamentals Of Electronic Materials And Devices	noc22-mm11	Elective Course	UG/PG	IITM - NPTEL	2
2021-22	Steel Quality: Role of Secondary Refining & Continuous Casting	noc22-mm12	Elective Course	UG/PG	IITM - NPTEL	3
2021-22	Theory and Practice of Non Destructive Testing	noc22-mm13	Elective Course	UG/PG	IITM - NPTEL	2
2021-22	Material Characterization	noc22-mm14	Core Course	UG/PG	IITM - NPTEL	3
2021-22	Effective Engineering Teaching In Practice	noc22-ge05	Elective Course	PG	IITM - NPTEL	1
2021-22	Non-conventional energy Resources	noc22-ge14	Elective Course	UG/PG	IITM - NPTEL	3
2021-22	Introduction to Research	noc22-ge15	Elective Course	PG	IITM - NPTEL	2
2021-22	Offshore Structures Under Special Environmental Loads Including Fire Resistance	noc22-oe01	Elective Course	PG	IITM - NPTEL	3
2022-23	Medical Image Analysis	noc22-bt34	Core Course	UG/PG	IITM - NPTEL	3
2022-23	Computer Aided Drug Design	noc22-bt37	Core Course	UG/PG	IITM - NPTEL	2
2022-23	Introduction to Developmental Biology	noc22-bt39	Elective Course	UG/PG	IITM - NPTEL	3
2022-23	Principles Of Downstream Techniques In Bioprocess	noc22-bt48	Elective Course	UG/PG	IITM - NPTEL	3
2022-23	Tissue engineering	noc22-bt50	Elective Course	PG	IITM - NPTEL	2
2022-23	Transport Phenomena in Biological Systems	noc22-bt51	Core Course	UG/PG	IITM - NPTEL	3
2022-23	Introduction to Biomedical Imaging Systems	noc22-bt56	Elective Course	UG/PG	IITM - NPTEL	3
2022-23	Colloids and Surfaces	noc22-ch42	Elective Course	UG/PG	IITM - NPTEL	2
2022-23	Polymers: concepts, properties, uses and sustainability	noc22-ch43	Elective Course	UG	IITM - NPTEL	3
2022-23	Application of Spectroscopic Methods in Molecular Structure Determination	noc22-cy45	Elective Course	UG/PG	IITM - NPTEL	2
2022-23	Advanced design of steel structures	noc22-oe02	Elective Course	PG	IITM - NPTEL	3
2022-23	Advanced Concrete Technology	noc22-ce58	Elective Course	PG	IITM - NPTEL	3
2022-23	Project Planning & Control	noc22-ce59	Elective Course	UG	IITM - NPTEL	2
2022-23	Artificial Intelligence : Search Methods For Problem solving	noc22-cs67	Elective Course	UG	IITM - NPTEL	3
2022-23	C Programming and Assembly Language	noc22-cs68	Elective Course	UG	IITM - NPTEL	1
2022-23	Data Science for Engineers	noc22-cs72	Elective Course	UG/PG	IITM - NPTEL	2

2022-23	Introduction to Machine Learning	noc22-cs73	Elective Course	UG/PG	IITM - NPTEL	3
2022-23	Python for Data Science	noc22-cs74	Elective Course	UG	IITM - NPTEL	1
2022-23	Reinforcement Learning	noc22-cs75	Elective Course	UG/PG	IITM - NPTEL	3
2022-23	Introduction to Quantum Computing: Quantum Algorithms and Qiskit	noc22-cs79	Elective Course	UG/PG	IITM - NPTEL	1
2022-23	Introduction to Machine Learning (Tamil)	noc22-cs84	Elective Course	UG/PG	IITM - NPTEL	2
2022-23	Functional and Conceptual Design	noc22-de10	Core Course	UG/PG	IITM - NPTEL	3
2022-23	Introduction to robotics	noc22-de11	Core Course	UG/PG	IITM - NPTEL	3
2022-23	Environmental & Resource Economics	noc22-hs71	Elective Course	UG/PG	IITM - NPTEL	3
2022-23	Control engineering	noc22-ee83	Core Course	UG/PG	IITM - NPTEL	3
2022-23	Linear Systems Theory	noc22-ee84	Elective Course	UG/PG	IITM - NPTEL	3
2022-23	Introduction to Wireless and Cellular Communications	noc22-ee85	Elective Course	PG	IITM - NPTEL	3
2022-23	Image Signal Processing	noc22-ee86	Elective Course	UG/PG	IITM - NPTEL	3
2022-23	Fiber Optic Communication Technology	noc22-ee88	Elective Course	UG/PG	IITM - NPTEL	3
2022-23	Phase-locked loops	noc22-ee92	Elective Course	UG/PG	IITM - NPTEL	3
2022-23	Computational Electromagnetics	noc22-ee105	Elective Course	PG	IITM - NPTEL	3
2022-23	Introduction to Photonics	noc22-ee106	Elective Course	UG/PG	IITM - NPTEL	3
2022-23	Probability Foundations for Electrical Engineers	noc22-ee107	Core Course	UG/PG	IITM - NPTEL	3
2022-23	Patent Drafting for Beginners	noc22-hs74	Elective Course	UG/PG	IITM - NPTEL	1

Faculty Details

Number of faculty members entered	674
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