Department	Research domain
Biosciences and Bioengineering	Nanobiotechnology, Biosensors, Nanomaterials, Theranostics.
Biosciences and Bioengineering	GPCR Signaling in Diabetes
Chemical Engineering	Nucleate pool boiling study in multicomponent solutions
Chemical Engineering	Heterogeneous Catalysis
Chemical Engineering	Carbon dioxide capture and conversion
Chemical Engineering	Energy Storage System
Chemical Engineering	Microfluidics and Energy Systems
Chemistry	Enzyme-Inspired Metal Catalysis, Application of transition-metal catalysis in the field of Renewable Energy, Organometallic Catalysis for Drug Discovery, Artificial Intelligence in Chemistry
Chemistry	Asymmetric Synthesis, Photochemical and Electrochemical Organic Reactions
Chemistry	Asymmetric Synthesis, Alkynyl hydrazones and Donor-Acceptor Diazo Chemistry
Chemistry	Inorganic and Materials Chemistry (CO2 Reduction, Nitrogen Reduction, Water Purification)
Chemistry	Inorganic, electro, and materials chemistry (mainly CO2 Reduction)
Chemistry	Enzyme-Inspired Metal Catalysis
Chemistry	Application of transition-metal catalysis in the field of Renewable Energy
Chemistry	Organometallic Catalysis for Drug Discovery, Artificial Intelligence in Chemistry, Photochemical organic synthesis: Carbene Transfer Reaction and Photoredox Catalysis
Chemistry	Electro Organic Synthesis
Chemistry	Organometallics and organometallic transition metal catalysis,
Chemistry	Bio-inspired transition metal catalysis,
Chemistry	Chemical and electrochemical conversion of small molecules,
Chemistry	Synthetic transformations involving carbene and nitrene intermediates
Civil Engineering	Study on discontinuity present in rock mass present around himalayan areas, Behaviour on Intermediate Geomaterials around Siwalik region
Civil Engineering	Geotechnics for Mountain Infrastructure, Geosynthetic Solutions for Cold Weather Climate Infrastructure
Civil Engineering	Microwave InSAR, Polarimetry, Al/deep learning in RS, Remote Sensing and GIS Applications in Cryosphere/Hydrology/Earth Sciences
Civil Engineering	Ultrasonic sensor characterization and novel fabrication techniques for nondestructive evaluation
Civil Engineering	Geosynthetic application based geotechnology for foundation and road infrastructures
Civil Engineering	Cyclic analysis and retrofitting of reinforced concrete elements
Civil Engineering	Wastewater Engineering and Solid Waste Valorization
Civil Engineering	Influence of subbase courses in performance of rigid pavements; Functional and structural evaluation of rigid pavements; Pavement surface characteristics and distress mitigation

Computer Science and Engineering Computer Science and Engineering Computer Science and Engineering Computer Science and Engineering Computer Science and Computer Vision A and Data privacy Computer Science and Computer Vision Image Video Quality Assessment, Perceptual Modelling, AlMAL Computer Science and Computer Science and Computer Vision A and Data privacy Computer Science and Computer Science and Computer Vision A Committee algorithms (Datablaced Agorithm Computer Science and Engineering Computer Science and Systems and Networking SDN NFV, 55 and beyond networks, lot networks Computer Science and Engineering Computer Science and Copylography, Cryptanalysis, Quantum Computation and Quantum Cryptography, Post Quantum Cryptography Computer Science and Cryptography, Cryptanalysis, Quantum Computation and Quantum Cryptography, Post Quantum Cryptography Computer Science and Cryptography, Functional Cryptography Computer Science and Engineering Computer Science and Engineering Systems on Chity design using RISC V for Computational Genomics pipelines and Big Data, Computer Architecture, VI. Sil System Design, Billionia Brainials, Embacted Systems Electrical Engineering Design Billionia Engineering Research Engineering Design Billionia Engineering Design Billionia Engineering Design Billionia Engineering Drove Technologies and Communications Engineering Billionia Engineering Drove Technologies and Communications Engineering Billionia Engineering Research Engineering Research Engineering Research Engineering Research Science Engineering Research Science Engineering Research Verification Using Matchine Learning MAMIL, Design and Development of Counter Engineering Billionia Engineering Research Engineering Research Engineering Research Science Engineering Communication Engineering Research Science Engineering Communication Engineering Design Engineering Commun		
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Exposering Networks Scarring value Scarring Authoritism PN Computer Science and Exposering Blockchair Computer Vision Al and Data privacy Computer Science and Exposering Computer Science and Conditional Systems and Networkings SDN, NFV, SG and beyond networks, for networks Computer Science and Count computing, Endersted Gearring, machine Issuaning, deep learning, user privacy, cyber security Computer Science and Count computing, Endersted Gearring, machine Issuaning, deep learning, user privacy, cyber security Computer Science and Coyotography, Crystanslysia, Quantum Computation and Quantum Cryptography, Post Quantum Cryptography Computer Science and System-on-Chip design using RISCV for Computational Centomics pipelines and Big Data, Computer Architecture, VLBI System Design and Development of Computer Science and System-on-Chip design using RISCV for Computer Science and Design and Development of Corp. Chip Science Science and Design and Development of Corp. Chip Science Science and Internet of Information Computer Science Science and Internet of Information Computer Science	Civil Engineering	Assessment of flaws in concrete using microwave tomography
Engineering secondary Computer Vision, Image/Video Quality Assessment, Perceptual Modelling, AlMIL. Computer Science and Computer Vision, Image/Video Quality Assessment, Perceptual Modelling, AlMIL. Computer Science and Engineering Distance and Distance - Data Management Computer Science and Engineering Compu		Network Security/ Web Security/ Authentication/ PKI
Empireoring Computer Science and Computer Science and Computer Science Science and Computer Science Science Science Science and Computer Science Science Science Science and Computer Science Scie		Blockchain/ Computer Vision/ Al and Data privacy
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September of Science and Engineering Systems and Networking, SDN, NFV, SG and beyond networks, IoT networks Engineering Computer Science and Engineering System-on-Chip design using RISC V for Computational Genomics pipelines and Big Data. Computer Architecture, VLSI System Design and Proceedings of the Systems Computer Science and Design and Development of Orvior Floored Chargers for Electric Verificies (EVs), Power Converters for Electric Verificies (EVs), Power Converters for Electric Verificies (EVs), Power Converters for Electric Verificial Engineering Communication networks. Computer Science and Computer Science (Control Engineering Computer Science Control Engineering Computer Science and Computer Science (Control Engineering Computer Science Control		Database + Data Management
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Engineering Computer Scence and Engineering Computer Scence and Engineering Computer Scence and Engineering Computer Science Internet of things and Development of CNOFE Board Chargers for Electric Vehicles (EVs), Power Converters for Electric Vehicles, and Renewable Energy, Design and Development of EV Infrastructure. Internet of things and controller design for autonomous electric vehicle operation, Energy harvesting Communication networks, Cognitive radio retworks, communication splane performance analysis using probability theory concepts Electrical Engineering Drone Technologies and Communications Engineering Electrical Engineering Power supply design for Hydrogen energy Electrical Engineering Ill-Nitride based UV LED and Phote-eletectors Electrical Engineering RF and Microwave, Antennas Electrical Engineering RF Energy Harvesting, Microwave Passive Circuits Electrical Engineering Speaker Verification Using Machine Learning Electrical Engineering Speaker Verification of Vision Machine Learning Electrical Engineering AMML, Design and Devlopment of RF & Microwave Devices (Antennas, Filters) for 6G and Space Technologies using AMML, Integration & Simulation of various active devices (Dode, BJT, MoSFET, etc.) using Finite-Difference Time-Domain (FDTD) Middle Engineering Communication Engineering Communication Engineering Deep Learning for Computer Vision Humanities and Social Sciences Higher Education (from any field of social sc.) + should be UGC JRF/ Externally funded. Materials Engineering Mechanical behaviour of composite Materials under complex stress states Microwave Based Me		Cloud computing, federated learning, machine learning, deep learning, user privacy, cyber security
Engineering Computer Science and Computer Science Computer Computer Computer Computer Computer Science Computer Co	· · · · · ·	Cryptography, Cryptanalysis, Quantum Computation and Quantum Cryptography, Post Quantum Cryptography
Design, Bioinformatics, Embedded Systems Design and Development of On/OFF Board Chargers for Electric Vehicles (EVs), Power Converters for Electric Vehicles, and Renewable Emergy, Design and Development of EV Infrastructure. Internet of things and controller design for autonomous electric vehicle operation, Energy harvesting Communication networks, Copprilve radio networks, communication system performance analysis using probability theory concepts. Electrical Engineering Drone Technologies and Communications Engineering Electrical Engineering Power supply design for Hydrogen energy Electrical Engineering III-Nitride based UV LED and Photo-detectors Electrical Engineering RF and Microwave, Antennas Electrical Engineering RF Energy Harvesting, Microwave Passive Circuits Electrical Engineering Speaker Verification Using Machine Learning Electrical Engineering AlML, Design and Devlopment of RF & Microwave Devices (Antennas, Filters) for 6G and Space Technologies using AlML, Integration & Simulation of various active devices (Diode, BJT, MoSFET, etc.) using Finite-Difference Time-Domain (FDTD) Electrical Engineering VLSI Design Communication Engineering NOMA, IRS, Terahertz communication Electrical engineering NoMA, IRS, Terahertz communication Electrical engineering Moterials for energy, biomaterials Materials Engineering Mechanical behaviour of composite Materials under complex stress states Microwave Based Meta Materials, Phase Change Memory Materials, Pseudo-elastic Shape Memory Alloys, Transmission Electron		Cryptography, Functional Cryptography
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Cooperative communication networks, Cognitive radio networks, communication system performance analysis using probability theory concepts Electrical Engineering	Electrical Engineering	
Electrical Engineering Power supply design for Hydrogen energy Electrical Engineering III-Nitride based UV LED and Photo=detectors Electrical Engineering RF and Microwave, Antennas Electrical Engineering RF Energy Harvesting , Microwave Passive Circuits Electrical Engineering Speaker Verification Using Machine Learning AI/ML, Design and Devlopment of RF & Microwave Devices (Antennas, Filters) for 6G and Space Technologies using AI/ML, Integration & Simulation of various active devices (Diode, BJT, MoSFET, etc.) using Finite-Difference Time-Domain (FDTD) Method, Error Estimation in Computational Electromagnetics Electrical Engineering VLSI Design Communication Engineering Communication Engineering Electrical engineering NOMA, IRS, Terahertz communication Electrical engineering Deep Learning for Computer Vision Humanities and Social Sciences Higher Education (from any field of social sc.) + should be UGC JRF/ Externally funded. Materials Engineering Mechanical behaviour of composite Materials under complex stress states Microwave Based Meta Materials, Phase Change Memory Materials, Pseudo-elastic Shape Memory Alloys, Transmission Electron	Electrical Engineering	Cooperative communication networks, Cognitive radio networks, communication system performance analysis using probability
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Humanities and Social Sciences Higher Education (from any field of social sc.) + should be UGC JRF/ Externally funded. Materials Engineering Materials for energy, biomaterials Materials Engineering Mechanical behaviour of composite Materials under complex stress states Meterials Engineering Microwave Based Meta Materials, Phase Change Memory Materials, Pseudo-elastic Shape Memory Alloys, Transmission Electron	Electrical engineering	NOMA, IRS, Terahertz communication
Materials Engineering Materials for energy, biomaterials Materials Engineering Mechanical behaviour of composite Materials under complex stress states Meterials Engineering Microwave Based Meta Materials, Phase Change Memory Materials, Pseudo-elastic Shape Memory Alloys, Transmission Electron	Electrical engineering	Deep Learning for Computer Vision
Materials Engineering Mechanical behaviour of composite Materials under complex stress states Microwave Based Meta Materials, Phase Change Memory Materials, Pseudo-elastic Shape Memory Alloys, Transmission Electron	Humanities and Social Sciences	Higher Education (from any field of social sc.) + should be UGC JRF/ Externally funded.
Microwave Based Meta Materials, Phase Change Memory Materials, Pseudo-elastic Shape Memory Alloys, Transmission Electron	Materials Engineering	Materials for energy, biomaterials
	Materials Engineering	Mechanical behaviour of composite Materials under complex stress states
1	Materials Engineering	

Mechanical Engineering Laser additive manufacturing of polymer science for biomedical applications Mechanical Engineering Solar Energy Mechanical Engineering Nonlinear dynamical systems with hysteresis Investigation of the atomization and combustion processes in reusable liquid rocket engine combustors, Development of lean-burn injectors for micro gas turbine engine applications. Mechanical Engineering Additive Manufacturing of functional prototypes for biomedical applications. Mechanical Engineering Solar Energy, Hydrogen Energy Mechanical Engineering Investigation of the atomization and combustion processes in reusable liquid rocket engine combustors, Development of lean-burn injectors for fuel flexible micro gas turbine engine applications. Mechanical Engineering Thermal analysis of laser-based 3D printing / additive manufacturing process Mechanical Engineering Modeling of dispersed phse flow dynamics in nuclear reactor applications Mechanical Engineering Design and analysis of self lubricating composite material for bearing application		
Materials Engineering Synthesis of novel biopolymor, study of polymor degradation Materials Engineering Alloy development and structure, recognity correlations — with a Secure on mediatic glasses & High entiropy alloys. Mathematics Commutative algebra Mathematics Number Tracery Mathematics Algebraic Coding Theory Mathematics Applied Probability, Stochastic Modeling Mathematics Applied Probability, Stochastic Modeling Mathematics Oscip Theory, Representation Theory Mathematics Oscip Theory, Representation Theory Mathematics Googa Probability, Stochastic Modeling Mathematics Probability, Stochastic Modeling Mathematics Coding Theory, Representation Theory Mathematics Probability, Stochastic Modeling Mathematics Complication of Theory Representation Theory Mathematics Applied Probability, Stochastic Modeling Mathematics Applied Probability, Stochastic Modeling Mathematics Commutative Algebra Mathematics Particle Probability, Stochastic Modeling Mathematics Particle Engineering Commutative Algebra Mathematics Particle Engineering Lesen-based additive mentificaturing Mathematics Algebraic Recornelis Codies Mechanical Engineering Lesen-based additive mentificaturing Mechanical Engineering Sour Energy Mechanical Engineering Particle Par	Materials Engineering	Mechanical behavior of advance materials
Motionals Engineering Alloy development and structure-property correlations — with a focus on metallic glasses & high entropy alloys. Mathematics Commutative Algebra Mathematics Commutative Algebra Mathematics Number Theory Mathematics Applicatic Coding Theory Mathematics Applicatic Coding Theory Mathematics Applicatic Coding Theory Mathematics PDE and Mumonolal Analysis Mathematics Group Theory, Representation Theory Mathematics Group Theory, Representation Theory Mathematics Finite Fields and Their Application in Cryptography Mathematics Finite Fields and Their Application in Cryptography Mathematics Applied Probability-Stochastic Modeling Mathematics Correlational Commutative Algebra Mathematics Applied Probability-Stochastic Modeling Mathematics Correlational Commutative Algebra Mathematics Applied Probability-Stochastic Modeling Mathematics Number Theory Mathematics Application on Number Codes Mathematics Application on Number Codes Mathematics Partial Differential Equations and Numerics Mathematics Application on Number Codes Mathematics Ingineering Laser-based additive manufacturing Machanical Engineering Properties Provide Probability Stochastic Mathematics Ingineering Provide Probability Stochastic Mathematics Ingineering Provide Probability Stochastic Mathematics Properties Provide Probability Stochastics Properties Provide Probability Stochastics Provide Pro	Materials Engineering	Process Metallurgy, Extractive Metallurgy, Computationla Modelling
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Mathematics Combinatorial Commutative algebra Mathematics Number Theory Mathematics Algebraic Coding Theory Mathematics Applied Probability, Stochastic Modeling Mathematics PDE and Numerical Analysis Mathematics Group Theory, Representation Theory Mathematics Group Theory, Representation Theory Mathematics Finite Fields and Their Application in Cryptography Mathematics Applied Probability/Biochastic Modelling Mathematics Applied Probability/Biochastic Modelling Mathematics Applied Probability/Biochastic Modelling Mathematics Puriful Differential Equations and Numerics Mathematics Puriful Differential Equations and Numerics Mathematics Number Theory Mathematics Number Theory Mathematics Algebraic Geometric Codies Mechanical Engineering Laser-based additive manufacturing Mechanical Engineering Laser-based additive manufacturing of polymer science for biomedical applications Mechanical Engineering Nonlinear dynamical systems with hysteresis Mechanical Engineering Nonlinear dynamical systems with hysteresis Mechanical Engineering Purplement of teach burn injectors for micro gas turbine engine applications. Mechanical Engineering Purplement of teach burn injectors for micro gas turbine engine applications. Mechanical Engineering Purplement of teach burn injectors for micro gas turbine engine applications. Mechanical Engineering Purplement of teach burn injectors for micro gas turbine engine applications. Mechanical Engineering Purplement of the attention and combustion processes in resulable liquid rocket engine combustors, Development of teach burn injectors for frue for purplement of the attention of the at	Materials Engineering	
Mathematics Agebraic Coding Theory Mathematics Agebraic Coding Theory Mathematics Applied Probability, Stochastic Modeling Mathematics PDE and Numerical Analysis Mathematics Croup Theory, Representation Theory Mathematics Printe Fields and Their Application in Cryptography Mathematics Applied Probability/Stochastic Modeling Mathematics Applied Probability/Stochastic Modeling Mathematics Applied Probability/Stochastic Modeling Mathematics Applied Probability/Stochastic Modeling Mathematics Partial Differential Equations and Numerics Mathematics Partial Differential Equations and Numerics Mathematics Number Theory Mathematics Agebraic Geometric Codes Mathematics Agebraic Geometric Codes Mathematics Agebraic Geometric Codes Mathematics Ingineering Laser-based additive manufacturing Mechanical Engineering Laser-based additive manufacturing of polymer science for biomedical applications Mechanical Engineering Number dynamical systems with hysteresis Investigation of the atomization and combustion processes in resusable liquid rocket engine combustors. Development of lean-burn injectors for micro gas turbine engine applications. Mechanical Engineering Additive Manufacturing of functional prototypes for biomedical applications. Mechanical Engineering Solar Energy Mechanical Engineering Investigation of the atomization and combustion processes in resusable liquid rocket engine combustors, Development of lean-burn injectors for fuel Renthler micro gas turbine engine applications. Mechanical Engineering Investigation of the atomization and combustion processes in resusable liquid rocket engine combustors, Development of lean-burn injectors for fuel Renthler micro gas turbine engine applications. Mechanical Engineering Toda and analysis of laser-based 3D printing / additive manufacturing process Mechanical Engineering Modeling of dispersed phase flow dynamics in nuclear reactor applications	Mathematics	Commutative Algebra
Mathematics Algebraic Coding Theory Mathematics Applied Probability, Stochastic Modeling Mathematics PDE and Numerical Analysis Mathematics Group Theory, Representation Theory Mathematics Finite Fields and Their Application in Cryptography Mathematics Applied Probability/Stochastic Modelling Mathematics Applied Probability/Stochastic Modelling Mathematics Applied Probability/Stochastic Modelling Mathematics Partial Differential Equations and Numerics Mathematics Partial Differential Equations and Numerics Mathematics Partial Differential Equations and Numerics Mathematics Algebraic Geometric Codes Mathematics Algebraic Geometric Codes Machanical Engineering Laser-based additive manufacturing of polymer science for biomedical applications Mechanical Engineering Soler Energy Mechanical Engineering Nordinear dynamical systems with hysteresis Mechanical Engineering Development of the attorization and combustion processes in reusable liquid rocket engine combustors, Development of lean-burn injectors for micro gas turbine engine applications. Mechanical Engineering Additive Manufacturing of functional prototypes for biomedical applications. Mechanical Engineering Solar Energy, Hydrogen Energy Mechanical Engineering Thermal analysis of laser-based 3D printing / additive manufacturing process Mechanical Engineering Modeling of dispersed phase flow dynamics in nuclear reactor applications Mechanical Engineering Modeling of dispersed phase flow dynamics in nuclear reactor applications Mechanical Engineering Modeling of dispersed phase flow dynamics in nuclear reactor applications Mechanical Engineering Ossign and analysis of self fluricating composite material for bearing application	Mathematics	Combinatorial Commutative algebra
Mathematics Applied Probability, Stochastic Modeling Mathematics PDE and Numerical Analysis Mathematics Group Theory, Representation Theory Mathematics Finite Fields and Their Application in Cryptography Mathematics Applied Probability/Stochastic Modelling Mathematics Applied Probability/Stochastic Modelling Mathematics Combinatorial Commutative Algebra Mathematics Partial Differential Equations and Numerics Mathematics Number Theory Mathematics Algebraic Geometric Codes Mathematics Algebraic Geometric Codes Machanical Engineering Laser-based additive manufacturing Machanical Engineering Solar Energy Machanical Engineering Nonlinear dynamical systems with hysteresis Investigation of the atomization and combustion processes in revisable liquid rocket engine combustors, Development of Iran-burn ligicitors for micro gas turbine engine applications. Mechanical Engineering Solar Energy Mechanical Engineering Solar Energy Mechanical Engineering Solar Energy Mechanical Engineering Solar Energy Hystrogen Energy Mechanical Engineering Solar Energy Hystrogen Energy Mechanical Engineering Thermal analysis of laser-based 3D printing / additive manufacturing process Mechanical Engineering Modeling of dispersed phase flow dynamics in nuclear reactor applications Mechanical Engineering Modeling of dispersed phase flow dynamics in nuclear reactor applications Mechanical Engineering Modeling of dispersed phase flow dynamics in nuclear reactor applications Mechanical Engineering Solar dispersed phase flow dynamics in nuclear reactor applications Mechanical Engineering Modeling of dispersed phase flow dynamics in nuclear reactor applications	Mathematics	Number Theory
Mathematics PDE and Numerical Analysis Group Theory, Representation Theory Mathematics Finite Fields and Their Application in Cryptography Mathematics Applied Probability/Stochastic Modelling Mathematics Applied Probability/Stochastic Modelling Mathematics Combinatorial Commitative Algebra Mathematics Partial Differential Equations and Numerics Mathematics Number Theory Mathematics Algebraic Geometric Codes Mathematics Algebraic Geometric Codes Mathematics Laser-based additive manufacturing Laser-based additive manufacturing Mechanical Engineering Laser additive manufacturing of polymer science for biomedical applications Mechanical Engineering Solar Energy Mechanical Engineering Nonlinear dynamical systems with hysteresis Mechanical Engineering Development of lean-burn injectors for micro gas turbine engine applications. Mechanical Engineering Additive Manufacturing of functional prototypes for biomedical applications. Mechanical Engineering Solar Energy Mechanical Engineering Themsy, Hydrogen Energy Mechanical Engineering Investigation of the atomization and combustion processes in reusable liquid rocket engine combustors, Development of lean-burn injectors for fuel flexible micro gas turbine engine applications. Mechanical Engineering Investigation of the atomization and combustion processes in reusable liquid rocket engine combustors, Development of lean-burn injectors for fuel flexible micro gas turbine engine applications. Mechanical Engineering Thermal analysis of laser-based SD printing / additive manufacturing process Mechanical Engineering Modeling of dispersed phse flow dynamics in nuclear reactor applications Mechanical Engineering Design and analysis of self-fubricating composite material for bearing application	Mathematics	Algebraic Coding Theory
Mathematics Group Theory, Representation Theory Mathematics Finite Fields and Their Application in Cryptography Mathematics Applied Probability/Stochastic Modelling Mathematics Combinatorial Commutative Algebra Mathematics Partial Differential Equations and Numerics Mathematics Number Theory Mathematics Algebraic Geometric Codes Mechanical Engineering Laser-based additive manufacturing Mechanical Engineering Laser additive manufacturing of polymer science for biomedical applications Mechanical Engineering Nonlinear dynamical systems with hysteresis Investigation of the atomization and combustion processes in reusable liquid rocket engine combustors, Development of lean-burn injectors for micro gas turbine engine applications. Mechanical Engineering Solar Energy Mechanical Engineering Additive Manufacturing of functional prototypes for biomedical applications. Mechanical Engineering Polymers and combustion processes in reusable liquid rocket engine combustors, Development of lean-burn injectors for micro gas turbine engine applications. Mechanical Engineering Investigation of the atomization and combustion processes in reusable liquid rocket engine combustors, Development of lean-burn injectors for the flexible micro gas turbine engine applications. Mechanical Engineering Investigation of the atomization and combustion processes in reusable liquid rocket engine combustors, Development of lean-burn injectors for the flexible micro gas turbine engine applications. Mechanical Engineering Termal analysis of laser-based 3D printing / additive manufacturing process Mechanical Engineering Oesign and analysis of self lubricating composite material for bearing applications	Mathematics	Applied Probability, Stochastic Modeling
Mathematics Finite Fields and Their Application in Cryptography Mathematics Applied Probability/Stochastic Modelling Mathematics Combinatorial Commutative Algebra Mathematics Partial Differential Equations and Numerics Mathematics Number Theory Mathematics Algebraic Geometric Codes Mechanical Engineering Laser-based additive manufacturing Mechanical Engineering Laser additive manufacturing of polymer science for biomedical applications Mechanical Engineering Solar Energy Mechanical Engineering Nonlinear dynamical systems with hysteresis mechanical Engineering Development of lean-burn injectors for micro gas turbine engine applications. Mechanical Engineering Additive Manufacturing of functional prototypes for biomedical applications. Mechanical Engineering Particular Solar Energy Mechanical Engineering Additive Manufacturing of functional prototypes for biomedical applications. Mechanical Engineering Particular Particu	Mathematics	PDE and Numerical Analysis
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Mathematics Partial Differential Equations and Numerics Mathematics Number Theory Mathematics Algebraic Geometric Codes Mechanical Engineering Laser-based additive manufacturing Mechanical Engineering Laser additive manufacturing of polymer science for biomedical applications Mechanical Engineering Nonlinear dynamical systems with hysteresis Investigation and combustion processes in reusable liquid rocket engine combustors, Development of lean-burn injectors for micro gas turbine engine applications. Mechanical Engineering Solar Energy, Hydrogen Energy Mechanical Engineering Solar Energy, Hydrogen Energy Mechanical Engineering Investigation of the atomization and combustion processes in reusable liquid rocket engine combustors, Development of lean-burn injectors for micro gas turbine engine applications. Mechanical Engineering Solar Energy, Hydrogen Energy Mechanical Engineering Investigation of the atomization and combustion processes in reusable liquid rocket engine combustors, Development of lean-burn injectors for fuel flexible micro gas turbine engine applications. Mechanical Engineering Thermal analysis of laser-based 3D printing / additive manufacturing process Mechanical Engineering Design and analysis of self lubricating composite material for bearing application	Mathematics	Finite Fields and Their Application in Cryptography
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Investigation of the atomization and combustion processes in reusable liquid rocket engine combustors, Development of lean-burn injectors for micro gas turbine engine applications. Mechanical Engineering Additive Manufacturing of functional prototypes for biomedical applications. Mechanical Engineering Solar Energy, Hydrogen Energy Investigation of the atomization and combustion processes in reusable liquid rocket engine combustors, Development of lean-burn injectors for fuel flexible micro gas turbine engine applications. Mechanical Engineering Thermal analysis of laser-based 3D printing / additive manufacturing process Mechanical Engineering Modeling of dispersed phse flow dynamics in nuclear reactor applications Mechanical Engineering Design and analysis of self lubricating composite material for bearing application	Mechanical Engineering	Solar Energy
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Mechanical Engineering injectors for fuel flexible micro gas turbine engine applications. Mechanical Engineering Thermal analysis of laser-based 3D printing / additive manufacturing process Mechanical Engineering Modeling of dispersed phse flow dynamics in nuclear reactor applications Mechanical Engineering Design and analysis of self lubricating composite material for bearing application	Mechanical Engineering	Solar Energy, Hydrogen Energy
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Mechanical Engineering Design and analysis of self lubricating composite material for bearing application	Mechanical Engineering	Thermal analysis of laser-based 3D printing / additive manufacturing process
	Mechanical Engineering	Modeling of dispersed phse flow dynamics in nuclear reactor applications
Mechanical Engineering ML enabled analysis of Conical journal bearing.	Mechanical Engineering	Design and analysis of self lubricating composite material for bearing application
	Mechanical Engineering	ML enabled analysis of Conical journal bearing.

Mechanical Engineering	Processing and Machining of Ultra high temperature ceramics
Mechanical Engineering	Ultrasonic and RF Imaging for NDT, Waste Management and Segmentation
Mechanical Engineering	Heat transfer: Passive cooling of electronic devices
	Heat transfer: Salt deposition dynamics in porous media
Mechanical Engineering	
Mechanical Engineering	Heat transfer: Precision agricultural practices : Aeroponics, Hydroponics, and their contamination
Mechanical Engineering	Multifunctional composites for SHM
Mechanical Engineering	Smart Ankle foot design and synthesis of mechanisms for Prosthetics
Mechanical Engineering	Phase Field modeling for composite failure analysis
Physics	Solid state battery
Physics	Hybrid-perovskite solar cells
Physics	sodium superionic conductors, solid state bateries
Physics	Experimental plasma physics, strongly coupled plasma
Physics	Sodium Superionic Conductors & Did State Batteries
Physics	Experimental dusty Plasma & Description of the Experimental Atmospheric Plasma
Physics	All inorganic perovskite solar cells
Physics	Non equilibrium statistical mechanics & Eiophysics

Department	Research domain (PhD Admission under Visvesvaraya Ph.D)
Electrical Engineering	VLSI Design
Electrical Engineering	Cyber Security and CPS
Computer Science and Engineering	Artificial Intelligence