

Summer Faculty Research Fellow Programme -2018

List of Faculty Mentors of IIT Delhi

Dated: 23/04 /2018

Sr. Nos.	Name of Faculty (Prof./Dr.)	Department/Centre	Research Area/Web link
1.	Shiban Kishan Koul	Applied Research in Electronics	Microwave Engineering & Antennas. Web link: http://care.iitd.ac.in/People/Faculty/SKKoul.html
2.	Ankur Gupta	Applied Research in Electronics	SMART SENSOR DESIGN, TCAD based MOS DEVICE DESIGN, GaN DEVICES, CADENCE CIRCUIT DESIGN. Web Link: http://care.iitd.ac.in/People/Faculty/AnkurG.htm
3.	Pushpapraj Singh	Applied Research in Electronics	MEMS Sensors and Micro Systems, Nanowires for Nano devices and sensing applications, Biochip and nanofabrication technologies, Nano electronics, MEMS for biomedical applications. Web Link: http://care.iitd.ac.in/People/Faculty/Pushparaj.htm
4.	Ram Lal	Computer Service Centre	Digital Image Processing and Cryptography. Web link: http://web.iitd.ac.in/~ramlal/
5.	Jaya	Computer Service Centre	Data Mining, Databases, Text Mining.
6.	Gopal Krishan	Computer Service Centre	Cloud Computing and Virtualization
7.	Pragya Jain	Computer Service Centre	Virtualization/ Cloud Computing, Parallel Computing.
8.	K. Ravi Kumar	Energy Studies	Solar thermal. Web link: http://ces.iitd.ac.in/?page=krk
9.	Vinod Kumar	Centre for Energy Studies	UP and down conversion materials for solid state lighting and solar cell application.
10.	Ashu Verma	Centre for Energy Studies	Power System Operations & Planning, Microgrid Operations & Control. Web link: http://ces.iitd.ac.in/html/averma.html
11.	Dibakar Rakshit	Centre for Energy Studies	Building energy efficiency, Solar refrigeration, Phase Change Materials Utilization for Thermal heat storage, Energy & Energy Analysis of Thermal Power Plant, Transportation of LNG, Heat & Mass Transfer of LNG Tanks. Web Link: http://ces.iitd.ac.in/dibakar.php
12.	Deepak Kumar	ITMMEC	Water based lubricants, Wear resistant coating, Nano composite grease, Hydrophobic ceramics, Tribology. Web link: http://web.iitd.ac.in/~dkumar/
13.	Hariprasad P.	Rural Development & Technology	Environmental Biotechnology, Mycotoxins, Phytochemistry and Bioethanol.
14.	Jatindra Kumar Sahu	Rural Development & Technology	Extraction, isolation, encapsulation of bioactives into value added products using supercritical fluids, storage and preservation of stored food products using bio-formulations, food engineering.
15.	Sitikantha Roy	Applied Mechanics	Bio-mechanics, Biomedical device, Soft material, Soft robotics, mechanobiology, Constitutive Modelling of multiphysical material. Web link: https://sites.google.com/view/sitilab-iitd/
16.	Kamal Kishore Pant	Chemical Engineering	Heterogeneous green Catalytic Processes, Hydrocarbon conversion, Coal & Co2 to Chemicals Renewable Bio-mass Valorization. Web link: http://web.iitd.ac.in/~kkpant/
17.	Pravin Popinand Ingole	Chemistry	Electrochemistry, Nonmaterials. Web link: http://www.chemistry.iitd.ac.in/faculty/ingole.html
18.	Hamant Kr. Kashyap	Chemistry	Theoretical and Computational Physical Chemistry, Ionic Liquids, Statistical Mechanics, Molecular Dynamics, Lipid Membrane structure. Web link: http://www.chemistry.iitd.ac.in/faculty/kashyap.html
19.	Ravi P. Singh	Chemistry	Organic Chemistry Web link: http://chemistry.iitd.ac.in/faculty/singhrp.html
20.	Shivajirao L. Gholap	Chemistry	Natural product synthesis, Development of new synthetic methods. Web Link: http://chemistry.iitd.ac.in/faculty/gholap.html
21.	K. Ramachandra Rao	Civil Engineering	Pedestrian Dynamics, Traffic Flow Modelling, Urban Frigate Logistics with Sustainability, Bus Network Planning. Web Link: http://web.iitd.ac.in/~rkalaga/
22.	N. M. Anoop Krishnan	Civil Engineering	Molecular simulation of disordered materials, glasses, cementitious materials, mechanics of materials. Web Link: https://sites.google.com/site/nmakrishnaniitd/
23.	Arun Kumar	Civil Engineering	Water treatment, Environmental Engg., Implications of Nanoparticles. Web link: http://web.iitd.ac.in/~arunku/
24.	R. Ayothiraman	Civil Engineering	Pile foundations, Ground Improvement, Earthquake, Geotechnical Engg. Web link: http://web.iitd.ac.in/~araman/
25.	Aravind Krishna Swamy	Civil Engineering	Pavement design and modeling; Modeling of pavement systems; Evaluation of pavements; Maintenance and rehabilitation of pavements; Modeling behavior of pavement materials; Damage analysis using continuum approach; Rheology; Recycling of pavement materials; Optimization issues in pavement engg. Web link: http://web.iitd.ac.in/~akswamy/

26.	Bappaditya Manna	Civil Engineering	Study on use of geosynthetics in railway tracks, Isolation of defence structures from blast – induced vibrations using barriers, investigations of response of block foundation and pile foundation under vibrations. Web link: http://web.iitd.ac.in/~bmanna/
27.	Sayan Ranu	Computer Science & Engineering	Data Mining, Graph Mining, Social Network Analysis. Web link: http://www.cse.iitd.ac.in/~sayan/index.html
28.	Lalan Kumar	Electrical Engineering	Microphone array signal processing, Speech, Music and Acoustic Signal Processing. Web link: http://web.iitd.ac.in/~lalank/research.php
29.	Sukumar Mishra	Electrical Engineering	Renewable Energy, DC Grid, Smart Grid. Web link: http://web.iitd.ac.in/~sukumar
30.	V. K. Jain	Electrical Engineering	Optical Communications. Web link: http://web.iitd.ac.in/~vkjain
31.	Anandarup Das	Electrical Engineering	Multilevel Converters, Modular Power Electronics, AC Drives. Web link: http://ee.iitd.ernet.in/people/anandarup.html
32.	Swades De	Electrical Engineering	Communication Networks Web link: http://web.iitd.ac.in/~swadesd/
33.	Shankar Prakriya	Electrical Engineering	Wireless energy harvesting, Cognitive radio, Interference management in 5G, Battery energy management for 5G, NOMA, full-duplex relaying. Web link: http://web.iitd.ac.in/~shankar.prakriya/
34.	Tapan Kumar Gandhi	Electrical Engineering	Computational Neuroscience, Medical Imaging, Biomedical Signal Processing, Medical Electronics, Assistive Technology. Web link: http://web.iitd.ac.in/~tgandhi/
35.	Madhusudan Singh	Electrical Engineering	Flexible electronics, Materials growth, Solution-processed deposition methods, Materials Chemistry Sensors, Solar Cells, LEDs, Energy harvesting. Web link: http://web.iitd.ac.in/~msingh/
36.	Seshan Srirangarajan	Electrical Engineering	Signal Processing, Wireless Communications, Sensor Networks, Optimization, Machine learning. Web link: http://web.iitd.ac.in/~seshan/
37.	Amit Kumar Jain	Electrical Engineering	Power Electronics, Motor Drives, Electric Vehicle etc. Web link: http://web.iitd.ac.in/~amitjain/
38.	Devi Chadha	Electrical Engineering	Optical Networks, Free Space Optical Systems. Web link: http://ee.iitd.ernet.in/people/Devichada.html
39.	M. Veerachary	Electrical Engineering	Power Electronics Web Link: http://ee.iitd.ernet.in/people/mveerachary.html
40.	Kamlesh Singh	Humanities & Social Sciences	Positive Psychology, Applied Psychology, Psychological Testing. Web Link: http://web.iitd.ernet.in/~singhk/home/
41.	Vibha Arora	Humanities & Social Sciences	Sociology, Marginalized Groups, Water, Environment, Development, Political Sociology and Religion. Web Link: http://hss.iitd.ac.in/faculty/vibha-arora
42.	K. Sreenadh	Mathematics	Differential Equations. Web Link: http://web.iitd.ac.in/~sreenadh/
43.	B. S. Panda	Mathematics	Graph Algorithms, Graph Theory, Graph Theoretic Algorithms to Wireless Sensor Networks, Algorithms. Web link: http://web.iitd.ac.in/~bspanda/
44.	S. Chandra Sekhara Rao	Mathematics	Numerical Analysis Web link: http://web.iitd.ac.in/~scsr/
45.	Aparna Mehra	Mathematics	Optimization. Web link: http://web.iitd.ac.in/~apmehra/
46.	Punit Sharma	Mathematics	Numerical Linear Algebra. Web link: http://maths.iitd.ac.in/beta/?page_id=1006
47.	Mahim Sagar	Management Studies	Brand Management, Ethical Brand Positioning, Product Development, Consumer Based Business Strategy and Telecom Policy & Marketing. Web link: https://www.drmahimsagar.net/
48.	Arpan Kumar Kar	Management Studies	Machine Learning, Social Media Analytics, Data Science. Web link: http://arpankar.webs.com/
49.	Surya Prakash Singh	Management Studies	Operations Management, Supply Chain Analytics, Big Data Analytics, Industry 4.0, Block chain. Web link: https://sites.google.com/site/sprsinghphd/
50.	Sanjay Dhir	Management Studies	Strategic Management, Innovations, Creativity, Technology Management, Strategic Thinking, Ambidexterity. Web link: http://web.iitd.ernet.in/~sanjaydhir/
51.	Harshwardhan Mishra	Management Studies	Entrepreneurship, Strategic & Disruptive Innovation, Knowledge Transfer, Social Capital, Strategic Approach & Management of ‘Deep Technology’ Development.
52.	Pulak Mohan Pandey	Mechanical Engineering	Rapid Prototyping, Unconventional Machining, Finite Elements, Applications to Manufacturing, CAD/CAM.
53.	Sunil Jha	Mechanical Engineering	Automation, Motion Control, CNC, Mechatronics, Robotics, Autonomous Vertical, Machine Design. Web link: http://web.iitd.ac.in/~suniljha

54.	Sunil Pandey	Mechanical Engineering	Welding and Allied Processes, Welding Procedures, Design & Metallurgy of Welded Joints, Inspection, NDT, Causes & Cure diagrams for Defects, Expert systems, weldability of commercially used industrial alloys & super alloys, Welding Consumables, Physics of Welding, Welding Fluxes, Welding Power Sources, Innovative and need base indigenous Technology Development etc. Expert systems, Welding symbols.
55.	Nomesh B. Bolia	Mechanical Engineering	Operations Research for Public Policy (Transportation, Education, Justice System).
56.	Jitendra Prasad Khatait	Mechanical Engineering	Medical Devices, Medical Robotics, Precision Machine Design, Agricultural Equipment's. Web Link: http://web.iitd.ac.in/~jpkhatait/
57.	Naresh V. Datla	Mechanical Engineering	Solid Mechanics, Mechanics of Materials, Fracture Mechanics. Web Link: https://www.researchgate.net/profile/Naresh_Datla
58.	S. Aravindan	Mechanical Engineering	Welding, Ceramics, Composites & Nanomanufacturing. Web Link: http://mech.iitd.ac.in/content/aravindan-s
59.	Nitya Nand Gosvami	Materials Science & Engineering	Nano scale tribology, Nano mechanics, Scanning Probe microscopy of materials, Molecular scale phenomena at liquid solid interfaces (Lubrication, self-assembly, corrosion) Web Link: http://mse.iitd.ac.in/N-NGosvami/
60.	Sampa Saha	Materials Science & Engineering	Biodegradable polymers for packaging and drug delivering applications. Web Link: http://mse.iitd.ac.in/Sampa-Saha/index.php
61.	G. Vijaya Prakash	Physics	Nano Photonics, Nano Functional Materials Web Link: http://nanophotonics.iitd.ac.in
62.	Saswata Bhattacharya	Physics	Theoretical Condensed matter physics, Density functional theory, Cluster & Catalysis, 2D Materials, Defects in semi-conductor, IO-hybrid perovskites etc. Web Link: http://web.iitd.ac.in/~saswata
63.	Rajendra Singh	Physics	Semiconductor materials & devices, Semiconductor nanowires, Nanolithography, Nanofabrication, GaN and Ga2O3 devices, Ion implantation, Water bonding. Web Link: https://rsingh793.wixsite.com/iitd-physics-rsingh
64.	Amartya Sengupta	Physics	THz Spectroscopy, Ultrafast Optics, Experimental High Pressure Condensed Matter Physics. Web Link: http://web.iitd.ac.in/~amartya/
65.	Apurba Das	Textile Technology	Clothing comfort, Protective clothing, Extreme heat and fire protective clothing, Filter fabric, Textile composite. Web Link: http://textile.iitd.ac.in/faculty/apurba/apurba.html
66.	S. Wazed Ali	Textile Technology	Green Chemical Processing of Textiles, Piezoelectric soft materials, Functional Textiles using Nanomaterials. Web Link: http://textile.iitd.ac.in/faculty/wazed/wazed.htm
67.	B. K. Behera	Textile Technology	3D Weaving, Spacer fabric, Textile Structural composites, Fabric Hand, Protection clothing. Web Link: http://textile.iitd.ac.in/faculty/behera/behera.html
68.	Bipin Kumar	Textile Technology	Smart Textiles, Knitted Fabric for Medical, Shape Memory Textiles. Web Link: http://textile.iitd.ac.in/faculty/bipin/bipin.html
69.	P. Vigneswara Ilavarasan	Management Studies	Social Media & Business Practices Web link: http://web.iitd.ernet.in/~vignes/
70.	J. Harshan	Electrical Engineering	Wireless networks, Coding theory, Distributed Storage Networks, Wireless Security, Cyber-Physical Systems. Web link: https://sites.google.com/site/jharshan/
71.	B. Premachandran	Mechanical Engineering	Heat Transfer, Computational fluid dynamics. Web link: http://web.iitd.ac.in/~prem/
72.	Mahesh P. Abegaonkar	Applied Research in Electronics	Microstrip antennas, Metamaterials for antenna applications, THz Metamaterials. Web link: http://care.iitd.ac.in/People/Faculty/Mahesh.html
73.	Monika Aggarwal	Applied Research in Electronics	Signal processing, Communication, Underwater Communication, Medical Signal Processing. Web link: http://care.iitd.ac.in/People/Faculty/M_Aggarwal.html