

# LIST OF RECOGNIZED SUPERVISORS

## With Effect from May 2024



### DEPARTMENT OF RESEARCH & DEVELOPMENT, UPES

Sl.	School	Link
1	School of Business	<a href="#">View</a>
2	School of Engineering (Applied Sciences) - Physics	<a href="#">View</a>
3	School of Engineering (Applied Sciences) – Chemistry	<a href="#">View</a>
4	School of Engineering (Applied Sciences) – Mathematics	<a href="#">View</a>
5	School of Engineering – Electrical Cluster	<a href="#">View</a>
6	School of Engineering – Energy Cluster	<a href="#">View</a>
7	School of Engineering – Mechanical Cluster	<a href="#">View</a>
8	School of Engineering – Sustainability Cluster	<a href="#">View</a>
9	School of Computer Science & Engineering	<a href="#">View</a>
10	School of Health Science & Technology	<a href="#">View</a>
11	School of Law	<a href="#">View</a>
12	School of Design	<a href="#">View</a>
13	School of Liberal Studies	<a href="#">View</a>
14	School of Modern Media	<a href="#">View</a>

## School of Business

Sl.	Supervisor Name	Designation	Cluster/ Department	School	Publications (SCI/Scopus/ WOS/ABDC)	Year of PhD Award	Topic of PhD	Research Interest	Email	Profile
1	<b>Dr. Sunil Rai</b>	Professor & Chancellor	General Management	School of Business	35+	-	Business Continuity Management	Business Continuity Management, Business Continuity and Higher Education	<a href="mailto:sunil.raai@gusindia.global">sunil.raai@gusindia.global</a>	<a href="https://www.upes.ac.in">https://www.upes.ac.in</a>
2	<b>Dr. Sumeet Gupta</b>	Professor	General Management	School of Business	15 & 2 Patent, 1 Funded Project	2010	Analytical Study of Derivatives in Indian Security Market	Risk Management, Energy Financing, Supply Chain, Accounting, Behavioral Finance, Power Financing , Infrastructure Financing, Oil and gas Verticals Study, Cost Optimization, Block Chain, IOT, Metaverse	<a href="mailto:sumeetgupta@ddn.upes.ac.in">sumeetgupta@ddn.upes.ac.in</a>	<a href="https://www.upes.ac.in">https://www.upes.ac.in</a>
3	<b>Dr. Mohammed Yaqoot</b>	Professor	Energy Management	School of Business	13	2016	Assessment of barriers to the Dissemination of Decentralized renewable Energy Systems in Uttarakhand	Electric Vehicles, Renewable Energy policy, Transsion to Net Zero future	<a href="mailto:myaqoot@ddn.upes.ac.in">myaqoot@ddn.upes.ac.in</a>	<a href="https://www.upes.ac.in">https://www.upes.ac.in</a>

4	<b>Dr. Totakura Bangar Raju</b>	Professor	Transportation Management	School of Business	14	2012	Development of an Analytical Framework to identify principal operational port performance indicators of various Indian ports for imported steam coal	Maritime , Aviation , Energy Pricing	<a href="mailto:tbraju@ddn.upes.ac.in">tbraju@ddn.upes.ac.in</a>	<a href="#">Dr. T. Bangar Raju</a>
5	<b>Dr. Anil Kumar</b>	Professor	Energy Management	School of Business	14	2014	Economics of Private Participation in UMPP	Power Management, Infrastructure Management, Urban Development	<a href="mailto:anilkumar@ddn.upes.ac.in">anilkumar@ddn.upes.ac.in</a>	<a href="#">Anil Kumar - School of Business</a>
6	<b>Dr. Prakash Chandra Bahuguna</b>	Professor	General Management	School of Business	10	2012	Talent Management and its role in creating high performance work system: A study of oil and gas industry in India	1. Strategic Human Resource Management, 2. Performance Management 3. Training and Development	<a href="mailto:bahuguna@ddn.upes.ac.in">bahuguna@ddn.upes.ac.in</a>	<a href="https://www.upes.ac.in">https://www.upes.ac.in</a>
7	<b>Dr. Anita Sengar</b>	Sr.Associate Professor	General Management	School of Business	7	2014	A Study on evolving perspectives of rural marketing	Marketing, Qualitative research	<a href="mailto:asengar@ddn.upes.ac.in">asengar@ddn.upes.ac.in</a>	<a href="#">Dr. Anita Sengar - School of Business</a>

8	<b>Dr. Ankur Mittal</b>	Professor	General Management	School of Business	11	2011	Comparative Analysis of sectoral mutual funds schemes with special reference to Uttarakhand	Corporate Finance, Valuation for Firms, IPO Funding, Oil & Gas Finance & Investment Decisions	<a href="mailto:amittal@ddn.upes.ac.in">amittal@ddn.upes.ac.in</a>	<a href="https://www.upes.ac.in">https://www.upes.ac.in</a>
9	<b>Dr. Arvind Kumar Jain</b>	Sr.Associate Professor	General Management	School of Business	20	2010	Indian Garment Industry: Vision for Open Competition Beyond Year 2005	Marketing / Consumer Behaviour / Branding , HR, Re- newable and Non Re- Newable Energy	<a href="mailto:akjain@ddn.upes.ac.in">akjain@ddn.upes.ac.in</a>	<a href="https://www.upes.ac.in">https://www.upes.ac.in</a>
10	<b>Dr. Saurabh Tiwari</b>	Sr.Associate Professor	Transportation Management	School of Business	7	2013	Lean Manufacturing Practices of Indian Manufacturing firms	Lean Manufacturing/ World class manufacturing/sustainability, Industry 4.0, Circular Economy	<a href="mailto:stiwari@ddn.upes.ac.in">stiwari@ddn.upes.ac.in</a>	<a href="https://www.upes.ac.in">https://www.upes.ac.in</a>
11	<b>Dr. Sunil Barthwal</b>	Professor	General Management	School of Business	12	2015	Cultural Values and advertising of Durable goods: A study in Uttarakhand	1- Advertising 2- New age media and society 3- Culture and Diversity 4- Sustainability and Green Marketing 5- Consumer Behaviour	<a href="mailto:sunilb@ddn.upes.ac.in">sunilb@ddn.upes.ac.in</a>	<a href="https://www.upes.ac.in">https://www.upes.ac.in</a>

12	<b>Dr. Devkant Kala</b>	Associate Professor	General Management	School of Business	18	2015	Measuring the Quality and Performance of Hotels: A Balanced Scorecard Approach (A study of Hotels of Selected Tourist Towns of Uttarakhand State)	Marketing, Consumer Behaviour, Tourism & Hospitality	<a href="mailto:devkant.kala@ddn.upes.ac.in">devkant.kala@ddn.upes.ac.in</a>	<a href="https://www.upes.ac.in">https://www.upes.ac.in</a>
13	<b>Dr. Mohammad Yunus Bhat</b>	Assistant Professor	Economics & IB	School of Business	10	2017	Valuation of National Parks: A Case Study of Dachigam National Park	Environmental Economics, Energy Economics, Green Economics	<a href="mailto:younus.bhat@ddn.upes.ac.in">younus.bhat@ddn.upes.ac.in</a>	<a href="https://www.upes.ac.in">https://www.upes.ac.in</a>
14	<b>Dr. Rajesh Tripathi</b>	Associate Professor	General Management	School of Business	6	2012	Strategic Thinking for Technology Adoption and Competency Building: A Mapping of Indian Newspaper Industry Growth	Strategic Management, Corporate governance, Technology Management/ IPR/ Marketing Management	<a href="mailto:rajesh.tripathi@ddn.upes.ac.in">rajesh.tripathi@ddn.upes.ac.in</a>	<a href="https://www.upes.ac.in">https://www.upes.ac.in</a>
15	<b>Dr. Binod Kumar Singh</b>	Assistant Professor	General Management	School of Business	12	2007	Estimation Procedure Using Asymmetric Loss Function	Business Analytics, Supply Chain, General Management	<a href="mailto:binodsingh@ddn.upes.ac.in">binodsingh@ddn.upes.ac.in</a>	<a href="https://www.upes.ac.in">https://www.upes.ac.in</a>

16	<b>Dr. Sushil Kumar Rai</b>	Sr.Assistant Professor	Economics & IB	School of Business	10	2009	Impact of New Economic Reforms on Small and Medium Enterprises: A Study Based on Eastern Region of Uttar Pradesh	Micro Small and Medium Enterprises (MSMEs), Macroeconomic Issues ( FDI, Exchange Rate, Unemployment), Energy Economics	<a href="mailto:skrai@ddn.upes.ac.in">skrai@ddn.upes.ac.in</a>	<a href="https://www.upes.ac.in">https://www.upes.ac.in</a>
17	<b>Dr. Meenakshi Sharma</b>	Assistant Professor	General Management	School of Business	5	2015	CUSTOMER EXPERIENCES IN RETAIL BANKING SERVICES (A Study of Selected Banks in Uttarakhand)	Marketing, Consumer Behaviour, Customer experiences, Online learning	<a href="mailto:m.sharma@ddn.upes.ac.in">m.sharma@ddn.upes.ac.in</a>	<a href="https://www.upes.ac.in">https://www.upes.ac.in</a>
18	<b>Dr. Deepak Bangwal</b>	Assistant Professor	General Management	School of Business	8	2018	Green HRM and work-life – An innovative approach to sustainable business environment	Green HRM & work- life, Green Buildings , Workplace design features & Environmental design	<a href="mailto:dbangwal@ddn.upes.ac.in">dbangwal@ddn.upes.ac.in</a>	<a href="https://www.upes.ac.in">https://www.upes.ac.in</a>
19	<b>Dr. Najul Laskar</b>	Assistant Professor	General Management	School of Business	6	2018	Corporate Sustainability Performance and Financial Performance: A Study on Select Companies from Asia	Corporate Sustainability Reporting, Corporate Governance	<a href="mailto:nlaskar@ddn.upes.ac.in">nlaskar@ddn.upes.ac.in</a>	<a href="https://www.upes.ac.in">https://www.upes.ac.in</a>

20	<b>Dr. Rahul Bodhi</b>	Assistant Professor	General Management	School of Business	9	2021	Social Media usage and its impact on employee performing and well being in the context of IT Industry in India.	Future of Work, Social Media, Contemporary Workplace Issues, Digitalization and Digital Transformation	<a href="mailto:rahul.bodhi@ddn.upes.ac.in">rahul.bodhi@ddn.upes.ac.in</a>	<a href="https://www.upes.ac.in">https://www.upes.ac.in</a>
21	<b>Dr. Kamlesh Maurya</b>	Assistant Professor	General Management	School of Business	7	2019	"Workplace management factors and employees' attitudinal outcomes for the Indian IT sector: An employer branding perspective"	Employer Branding, Talent Management, Work-life Balance, Organizational Commitment, Psychological Contract, Employee Turnover.	<a href="mailto:kamleshk.maurya@ddn.upes.ac.in">kamleshk.maurya@ddn.upes.ac.in</a>	<a href="https://www.upes.ac.in">https://www.upes.ac.in</a>
22	<b>Dr. Shalini Singh</b>	Assistant Professor	General Management	School of Business	19	2018	E-impulses Buying: An Indian Perspective	1. Marketing (e-impulse buying, online consumer behavior). 2. International Business (International marketing and environment, international trade and sourcing) 3. Cross-cultural studies.	<a href="mailto:shalini.singh@ddn.upes.ac.in">shalini.singh@ddn.upes.ac.in</a>	<a href="https://www.upes.ac.in">https://www.upes.ac.in</a>
23	<b>Dr Atul Rawat</b>	Assistant Professor	General Management	School of Business	7	2022	Risk Mitigation of CNG Refueling Network for the Eastern Corridor states of India	1. Energy Management. 2. Risk Management. 3. Strategy	<a href="mailto:a.rawat@ddn.upes.ac.in">a.rawat@ddn.upes.ac.in</a>	<a href="https://www.upes.ac.in">https://www.upes.ac.in</a>

24	<b>Dr Kabir Sharma</b>	Assistant Professor	General Management	School of Business	7	2019	A study on the functioning of Microfinance institutions in Chhattisgarh	1. Finance. 2. Development Economics. 3. Taxation	<a href="mailto:ksharma@ddn.upes.ac.in">ksharma@ddn.upes.ac.in</a>	<a href="https://upes.irins.org">https://upes.irins.org</a>
25	<b>Dr. Anup Kumar Yadava</b>	Assistant Professor	Economics and International Business	School of Business	5	2021	A comparative performance Assessment of organic and Non-organic farming in India	1. Agriculture Economics. 2. Public Finance & Public Economics. 3. Production Economics	<a href="mailto:anupk.yadava@ddn.upes.ac.in">anupk.yadava@ddn.upes.ac.in</a>	<a href="https://www.upes.ac">https://www.upes.ac</a>
26	<b>Dr. Anirudh Singh</b>	Associate Professor	Energy & Transportation	School of Business	10	2022	A Study of Feasibility in Rajasthan Cement Industries Power Plant on Usage of Fuel: Natural Gas as Clean Fuel vs. Coal	Energy & Sustainability, Downstream, Natural Gas Business, Petro- Retail & Fuels.	<a href="mailto:anirudhsingh@ddn.upes.ac.in">anirudhsingh@ddn.upes.ac.in</a>	<a href="https://www.upes.ac">https://www.upes.ac</a>
27	<b>Dr Pradeep Chauhan</b>	Assistant Professor	Energy & Transportation	School of Business	5	2023	Analysis & Management of Logistics distribution performance in FMCG Sector.	1.FMCG Operations. 2.Transportation & Distribution. 3.Logistics & Supply Chain Management.	<a href="mailto:p.chauhan@ddn.upes.ac.in">p.chauhan@ddn.upes.ac.in</a>	<a href="https://www.upes.ac">https://www.upes.ac</a>



28	<b>Dr. Inder Singh</b>	Associate Professor	Human Resource Management	School of Business	27	2012	Assessment of determinants of employee adoption of e-procurement system	AI & ML, Big Data Analytics, Business Analytics, Cloud Native Technologies, IoT.	<a href="mailto:inder@ddn.upes.ac.in">inder@ddn.upes.ac.in</a>	<a href="https://www.upes.ac.in">https://www.upes.ac.in</a>
29	<b>Dr Shatrughan Yadav</b>	Assistant Professor	General Management	School of Business	4	2022	Impact of Job-related diversity on organizational innovation: A study of higher educational institutions in India	1. Diversity Management 2. Knowledge Sharing. 3. Organizational Institutions	<a href="mailto:shatrughan.yadav@ddn.upes.ac.in">shatrughan.yadav@ddn.upes.ac.in</a>	<a href="https://www.upes.ac.in">https://www.upes.ac.in</a>
30	<b>Dr. Soumyajit Chakraborty</b>	Assistant Professor	Economics & Finance	School of Business	2	2021	Essays on Human Capital	1. Applied Microeconomics = Development Economics. 2. Labor Economics. Family / Household and Human Capital. 3. Education Sector and Public Policy.	<a href="mailto:soumyajit.c@ddn.upes.ac.in">soumyajit.c@ddn.upes.ac.in</a>	<a href="https://www.upes.ac.in">https://www.upes.ac.in</a>
31	<b>Dr Anurag Sharma</b>	Assistant Professor	General Management	School of Business	6	2023	A Digital HR Framework for people performance and Business Excellence.	1. HR Digitization, People performance and Business Excellence. 2. HR strategy, Digital HR strategy, Digital Mindset, Digital HR Leadership. 3. Artificial Intelligence in HR, HR Analytics, SMACI applications in HR.	<a href="mailto:anurag.sharma@ddn.upes.ac.in">anurag.sharma@ddn.upes.ac.in</a>	<a href="https://www.upes.ac.in">https://www.upes.ac.in</a>

32	<b>Dr Naveen Agrawal</b>	Assistant Professor	Economics & Finance	School of Business	6	2021	A study on cross subsidy impact on electricity demand in India.	1.Econmics 2.Energy (Power/ Renewable). 3.Finance	<a href="mailto:naveen.agarwal@ddn.upes.ac.in">naveen.agarwal@ddn.upes.ac.in</a>	<a href="https://upesonline.a">https://upesonline.a</a>
33	<b>Dr Shantanu Trivedi</b>	Assistant Professor	Transportation Management	School of Business	6	2023	Measures to achieve Business sustainability of cluster based food processing units in the state of Uttarakhand	1.Logistics and Supply Chain Management. 2.Business Sustainability. 3.Online Education	<a href="mailto:s.trivedi@ddn.upes.ac.in">s.trivedi@ddn.upes.ac.in</a>	<a href="https://blog.cce.upe">https://blog.cce.upe</a>
34	<b>Dr Shweta Agarwal</b>	Assistant Professor	General Management	School of Business	3	2021	Stock Market Response to Information Diffusion through Internet :An empirical Study.	1.Technology Acceptance 2.Investor behaviour. 3.Information Diffusion	<a href="mailto:shweta.agarwal@ddn.upes.ac.in">shweta.agarwal@ddn.upes.ac.in</a>	<a href="https://www.upes.a">https://www.upes.a</a>
35	<b>Dr Vijaya Lahri</b>	Assistant Professor	Financial Management	School of Business	4	2023	Crowdfunding for supporting startup in India	1.Entrepreneurial Finance. 2.Behavioural Finance. 3. Stock Market	<a href="mailto:vijaya@ddn.upes.ac.in">vijaya@ddn.upes.ac.in</a>	<a href="https://www.upes.a">https://www.upes.a</a>

36	<b>Dr Sonal Gupta</b>	Assistant Professor	Transportation Management	School of Business	3	2019	Energy	Energy Value Chain, Risk Management, Climate change, Sustainability, Renewable Energy, Power Systems	<a href="mailto:sgupta@ddn.upes.ac.in">sgupta@ddn.upes.ac.in</a>	<a href="https://www.upes.ac.in">https://www.upes.ac.in</a>
37	<b>Dr Nida Rahman</b>	Assistant Professor	Economics & IB	School of Business	3	2020	Impact of FDI inflows on current Account of Balance of payment: A study of ASEAN plus six countries.	1. International Economics. 2. International Trade. 3. Economics of Integration	<a href="mailto:nida.rahman@ddn.upes.ac.in">nida.rahman@ddn.upes.ac.in</a>	<a href="https://www.upes.ac.in">https://www.upes.ac.in</a>

## School of Engineering – Applied Science (Physics)

Sl.	Supervisor Name	Designation	Cluster/ Department	School	Publications (SCI/Scopus/ WOS/ABDC)	Year of PhD Award	Topic of PhD	Research Interest	Email	Profile
1	Dr. Devesh Kumar Avasthi	Professor	Physics	School of Engineering	700+	1982	Elastic recoil detection & large area position sensitive detector, in-situ XRD in beam line, facility for low flux and large area irradiation	1. Materials for Energy and sensor 2. Plasmonics & SERS 3. Nanotechnology	<a href="mailto:dkavasthi@ddn.upes.ac.in">dkavasthi@ddn.upes.ac.in</a>	<a href="https://www.upes.ac.in/school-of-engineering/physics/">https://www.upes.ac.in/school-of-engineering/physics/</a>
2	Dr. K.Asokan	Professor	Physics	School of Engineering	745	1992	Electronic structure of high temperature superconductors	1. Ion beam interaction in materials, 2. Electronic structure of materials 3. Material Science/ Condensed Matter Physics	<a href="mailto:asokan.kandasami@ddn.upes.ac.in">asokan.kandasami@ddn.upes.ac.in</a>	<a href="https://upes.irins.org/profile/219">https://upes.irins.org/profile/219</a>
3	Dr. Ajay Gupta	Professor	Physics	School of Engineering	300+	1975	Condensed Matter Physics	1. Condensed Matter Physics 2. Magnetic Materials 3. Thin films and multilayers	<a href="mailto:ajay.gupta@ddn.upes.ac.in">ajay.gupta@ddn.upes.ac.in</a>	<a href="https://scholar.google.co.in/citations?user=ajay.gupta">https://scholar.google.co.in/citations?user=ajay.gupta</a>
4	Dr. J B.Singh	Professor	Physics	School of Engineering	1980+	1980	Study of multiparticle production in proton-nucleus collisions at very high energies	"1. Experimental High Energy Particle Physics 2. Detector Instrumentations	<a href="mailto:Jasbir.singh@ddn.upes.ac.in">Jasbir.singh@ddn.upes.ac.in</a> ; <a href="mailto:singhjb@pu.ac.in">singhjb@pu.ac.in</a>	<a href="https://upes.irins.org/profile/219">https://upes.irins.org/profile/219</a>
5	Dr. Vipin Gaur	Associate Professor	Physics	School of Engineering	335	2013	SEARCH FOR RARE DECAYS $B^0 \rightarrow K^+ K^- \pi^0$ WITH BELLE DATA	EXPERIMENTAL HIGH ENERGY PHYSICS	<a href="mailto:vipin.gaur@ddn.upes.ac.in">vipin.gaur@ddn.upes.ac.in</a>	<a href="https://www.upes.ac.in/faculty/vipin.gaur">https://www.upes.ac.in/faculty/vipin.gaur</a>

6	<b>Dr. Anil Kumar Sinha</b>	Professor	Physics	School of Engineering	170	2000	Sub-gap Absorption and potential fluctuations in hydrogenated amorphous silicon and its alloys.	1. Synthesis and characterization of electrode materials for batteries, 2. Materials Sciences: ferroelectric, magnetic and multiferroic materials, 3. Application of synchrotron radiation for Materials Characterization	<a href="mailto:anil.sinha@ddn.upes.ac.in">anil.sinha@ddn.upes.ac.in</a>	<a href="https://www.upes.ac.in/faculty/">https://www.upes.ac.in/faculty/</a>
7	<b>Dr. Ashish Mathur</b>	Professor	Physics	School of Engineering	150	2011	A study of the growth and fabrication of carbon nanotube arrays in microfluidic channels and their application in micro- particle separation for bio-sensing devices	Nanotechnology/Material Science, Microfluidics, Sensors / Bio-Sensors	<a href="mailto:ashish.mathur@ddn.upes.ac.in">ashish.mathur@ddn.upes.ac.in</a>	<a href="https://www.upes.ac.in/faculty/">https://www.upes.ac.in/faculty/</a>
8	<b>Dr. Vivek Kumar Anand</b>	Sr. Associate Professor	Physics	School of Engineering	78	2009	Magnetic and Superconducting Properties of Pr-based Compounds	1. Low Temperature Physics: Magnetic and Superconducting Properties 2. Strongly Correlated Electron Properties, 3. Thermoelectric Properties	<a href="mailto:vivek.anand@ddn.upes.ac.in">vivek.anand@ddn.upes.ac.in</a>	Student Projects - Vivek Anand
9	<b>Dr. Amit Kumar Chawla</b>	Professor	Physics	School of Engineering	83	2008	Study of Optical Properties of Nanocrystalline metal and metal oxides thin films	Thin Films & nanoparticles for various purposes (hard coating, hydrophobic coatings, bandgap tuning etc.), Hydrogen Storage materials, Solar Cells	<a href="mailto:akchawla@ddn.upes.ac.in">akchawla@ddn.upes.ac.in</a>	<a href="https://www.upes.ac.in/faculty/">https://www.upes.ac.in/faculty/</a>
10	<b>Dr. Devendra Pal Singh</b>	Sr. Associate Professor	Physics	School of Engineering	80	2010	Investigation of the role of Break-up processes in heavy ion reactions below 7 MeV/nucleon	Nuclear reaction mechanism in light and heavy ion reactions at energies near the Coulomb barrier to the well above it, Wear measurements in various material using thin layer activation technique, production of various radio-nuclides used in medical applications	<a href="mailto:devendrapal@ddn.upes.ac.in">devendrapal@ddn.upes.ac.in</a>	Dr. D.P. Singh - School of Adv
11	<b>Dr. Ranjeet Brajpuriya</b>	Professor	Physics	School of Engineering	87	2008	Fe/Al multilayers: Investigation of structural, magnetic and electronic properties	Thin film and Multilayers, Graphene and its application	<a href="mailto:ranjeet.brajpuriya@ddn.upes.ac.in">ranjeet.brajpuriya@ddn.upes.ac.in</a>	<a href="https://www.upes.ac.in/faculty/">https://www.upes.ac.in/faculty/</a>

12	<b>Dr. Abhishek Kumar Mishra</b>	Professor	Physics	School of Engineering	<b>67</b>	2009	Vibrational Dynamics & Quantum Chemical calculations of some macromolecular systems	Computational – Condensed matter physics-DFT Calculations, Materials modeling and simulations for Nano electronics, CO2 capture and conversion, Gas sensors; spintronic materials, photo catalysis, Dr.ug design, battery materials; photovoltaic –solar cells	<a href="mailto:akmishra@ddn.upes.ac.in">akmishra@ddn.upes.ac.in</a>	Abhishek Kumar Mishra- Scho
13	<b>Dr. Prasanta Mandal</b>	Professor	Physics	School of Engineering	<b>50</b>	2008	GROWTH AND OPTICAL STUDIES OF CdS, Cd <sub>x</sub> Zn <sub>1-x</sub> S, CdS/ZnS CORE-SHELL AND DOPED CdS NANOCRYSTALLITE S IN ORGANIC LB MULTILAYERS	Photonic and Plasmonic Metamaterials, Solar Cell Energy Devices , Development and characterization of Chemical Sensors using SERS	<a href="mailto:pmandal@ddn.upes.ac.in">pmandal@ddn.upes.ac.in</a>	Prasanta Mandal- School of Ad
14	<b>Dr. Samar Layek</b>	Assistant Professor	Physics	School of Engineering	<b>57</b>	2014	Structural and Magnetic Properties of Transition Metal Based Oxides/Hydroxides Synthesized Using Specific Methods	1. High-pressure physics 2. Diamond anvil cells 3. Material Science 4. Mechano- synthesis 5. Mössbauer Spectroscopy 6. Structural and electronic transition 7. Magnetism and superconductivity 8. Magnetic nanoparticles	<a href="mailto:samar.layek@ddn.upes.ac.in">samar.layek@ddn.upes.ac.in</a>	Dr. Samar Layek- School of Ad
15	<b>Dr. Manjeet Singh Goyat</b>	Sr.Associate Professor	Physics	School of Engineering	<b>64</b>	2014	Influence of oxide nanoparticles on physical and mechanical characteristics of adhesive	Polymer matrix nanocomposites , Self- healing polymer matrix composites, Superhydrophobic coatings for corrosion resistance and oil-water separation application	<a href="mailto:msgoyat@ddn.upes.ac.in">msgoyat@ddn.upes.ac.in</a>	Dr. Manjeet Singh Goyat- Scho
16	<b>Dr.Amit Awasthi</b>	Associate Professor	Physics	School of Engineering	<b>50</b>	2011	Study of human respiratory functions in relation to crop residue burning	Atmospheric/Environmental Sciences , Air Monitoring and Exposure Studies , Aerosol Physical Properties and Climate Change	<a href="mailto:aawasthi@ddn.upes.ac.in">aawasthi@ddn.upes.ac.in</a>	Amit Awasthi- School of Advan
17	<b>Dr.Sachin Pathak</b>	Associate Professor	Physics	School of Engineering	<b>42</b>	2014	Magnetic Materials for GHz Frequency Device	Spintronics devices for magnetic data storage , Magnetic Field Sensors , Condensed Matter Physics: Magnetic Nanomaterials , Micro-magnetic Simulation of Magnetic nanomaterials	<a href="mailto:s.pathak@ddn.upes.ac.in">s.pathak@ddn.upes.ac.in</a>	Dr. Sachin Pathak - School of A

18	<b>Dr.Prashant Shambhudayal Rawat</b>	Sr.Associate Professor	Physics	School of Engineering	<b>26</b>	1999	Measurement of Electron Scattering Cross Sections of Molecules at Low Energies	INTENSE RADIATION - MATTER INTERACTION (EXP.), ELECTRON SCATTERING (LOW AND INTERMEDIATE ENERGIES – EXP.) , DISSOCIATIVE ELECTRON ATTACHMENT (EXP.)	<a href="mailto:psrawat@ddn.upes.ac.in">psrawat@ddn.upes.ac.in</a>	<a href="#">Prashant Shambhudayal Rawat-</a>
19	<b>Dr. Gagan Anand</b>	Professor	Physics	School of Engineering	<b>44</b>	2012	Preparation and electrical properties of bismuth layered structured ferroelectrics	Dielectric materials for high temperature sensor applications, Piezoelectric energy harvesting devices, Rheological and tribological properties of Bio/Nano lubricants	<a href="mailto:ganand@ddn.upes.ac.in">ganand@ddn.upes.ac.in</a>	<a href="https://www.upes.ac.in/faculty/">https://www.upes.ac.in/faculty/</a>
20	<b>Dr.Santosh Dubey</b>	Professor	Physics	School of Engineering	<b>26</b>	2012	Irradiation-induced composition patterns and segregation in binary solid solutions	Modeling & simulation of materials under extreme operating conditions; Synthesis of novel materials having applications in microelectronics, solar PV, etc. using ion beam irradiation; Prediction of performance of solar PV panels in different climatic conditions; reservoir modeling	<a href="mailto:santosh.dubey@ddn.upes.ac.in">santosh.dubey@ddn.upes.ac.in</a>	<a href="https://www.upes.ac.in/faculty/">https://www.upes.ac.in/faculty/</a>
21	<b>Dr. Rajeev Kumar Gupta</b>	Professor	Physics	School of Engineering	<b>40</b>	2003	Study of the swift heavy ions induced effect on the radiochemistry and the recrystallization process in the polymeric materials	Nanostructured superhydrophobic coating for the application of anti-dust/ anti icing on solar panels, wind turbine, porcelain insulator and corrosion resistant/ microbial influenced corrosion/ Drug reduction	<a href="mailto:rajeev@ddn.upes.ac.in">rajeev@ddn.upes.ac.in</a>	<a href="https://www.upes.ac.in/faculty/">https://www.upes.ac.in/faculty/</a>
22	<b>Dr. Ratnesh Pandey</b>	Assistant Professor	Physics	School of Engineering	<b>40</b>	2015	Electronic Sputtering in Fluoride Thin Films	Ion induced modifications in materials, DFT studies of atomic and molecular clusters	<a href="mailto:rpandey@ddn.upes.ac.in">rpandey@ddn.upes.ac.in</a>	<a href="https://www.upes.ac.in/faculty/">https://www.upes.ac.in/faculty/</a>
23	<b>Dr. Sarathlal KV</b>	Assistant Professor	Physics	School of Engineering	<b>18</b>	2014	Preparation and study of patterned magnetic thin films	Experimental condensed matter; magnetic nanostructures	<a href="mailto:sarathlal.kv@ddn.upes.ac.in">sarathlal.kv@ddn.upes.ac.in</a>	<a href="https://scholar.google.de/cit">https://scholar.google.de/cit</a>

24	<b>Dr. Kailash Pandey</b>	Assistant Professor	Physics	School of Engineering	16	2008	Neutron cross-sections upto 20 MeV for new nuclear energy systems	Theoretical Nuclear Physics, Material Science	<a href="mailto:kpandey@ddn.upes.ac.in">kpandey@ddn.upes.ac.in</a>	<a href="https://www.upes.ac.in/faculty/">https://www.upes.ac.in/faculty/</a>
25	<b>Dr.Kanak Pal Singh Parmar</b>	Associate Professor	Physics	School of Engineering	12	2006	Oil-dispersions of nano-layered silicates in an external electric field: An experimental study	Nano-structured semiconductor materials for energy and environmental applications, Solar induced water-splitting/ Artificial photosynthesis /H2 production, Rheology of soft-condensed matters	<a href="mailto:kpsparmar@ddn.upes.ac.in">kpsparmar@ddn.upes.ac.in</a>	<a href="https://www.upes.ac.in/faculty/">https://www.upes.ac.in/faculty/</a>
26	<b>Dr.Navjot Hothi</b>	Assistant Professor	Physics	School of Engineering	17	2012	Regge trajectories and some non-trivial aspects of QCD	High Energy Physics (Regge trajectories), High Energy Physics (Quantum Chromodynamics), High Energy Physics (HaDr.on Physics)	<a href="mailto:nhothi@ddn.upes.ac.in">nhothi@ddn.upes.ac.in</a>	<a href="https://www.upes.ac.in/faculty/">https://www.upes.ac.in/faculty/</a>
27	<b>Dr.Parswajit Kalita</b>	Assistant Professor	Physics	School of Engineering	14	2020	Grain size & environmental temperature effects on the consequence of ion energy loss in materials: a case study of cubic zirconia	1. Materials Science (Materials for energy – nuclear materials; energy harvesting) 2. Ion irradiation induced effects in materials	<a href="mailto:parswajit.kalita@ddn.upes.ac.in">parswajit.kalita@ddn.upes.ac.in</a>	<a href="https://www.upes.ac.in/faculty/">https://www.upes.ac.in/faculty/</a>
28	<b>Dr.Shalendra Kumar</b>	Sr.Associate Professor	Physics	School of Engineering	325	2008	Magnetic Material	Dr. Kumar's research interest is focused on experimental studies of functional oxide materials such as ferrites, CMR, lead-free piezoelectrics, multiferroics, and DMS in various forms such as bulk, thin films, and 1-D nanostructures, as well as nanostructures for energy storage (Li-ion, Li-S batteries, and supercapacitors) applications and solar cells.	<a href="mailto:shalendra.kumar@ddn.upes.ac.in">shalendra.kumar@ddn.upes.ac.in</a>	<a href="https://www.upes.ac.in/faculty/">https://www.upes.ac.in/faculty/</a>



29	<b>Dr.Raju Chowdhury</b>	Associate Professor	Physics	School of Engineering	28	2011	Select Topics in Quantum Gravity-A Maiden Voyage	<p>1. Mathematical Physics, Topological T duality, Generalized, Emergent Gravity, Integrable System.Poisson-Lie T duality, Noncommutative geometry.    2.Black holes in supergravity,attractor, mechanism,special Kahler geometry, compactification,gauged supergravity from M theory,Toric Sasaki Einstein and Quiver guage theory.</p> <p>3.Kahler Einstein metrics,Seiberg Witten map,SYZ mirror symmetry,Symplectic to multisymplectic,Generalized Darboux formalism,Fadosov quantization.</p>	<a href="mailto:Raju.roychowdhury@ddn.upes.ac.in">Raju.roychowdhury@ddn.upes.ac.in</a>	
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## School of Engineering – Applied Science (Chemistry)

Sl.	Supervisor Name	Designation	Cluster/ Department	School	Publications (SCI/Scopus/ WOS/ABDC)	Year of PhD Award	Topic of PhD	Research Interest	Email	Profile
1	<b>Dr. Pankaj Kumar Thakur</b>	Professor	Chemistry	School of Engineering	73	2000	Electroanalytical Studies on some potentiometric sensors for heavy metals	Ion sensors, Biofuels, Nano-materials	<a href="mailto:pkumar@ddn.upes.ac.in">pkumar@ddn.upes.ac.in</a>	<a href="https://upes.irins.org/profile/9">https://upes.irins.org/profile/9</a>
2	<b>Dr. Sravendra Rana</b>	Professor	Chemistry	School of Engineering	76	2011	Stimuli-Responsive Polymer Nano-composites Based on Carbon Nanotubes and Conducting Polymers	Self-healing materials/Anti-corrosion coatings, Heterogeneous Catalysis, Nanocomposites, Biomaterials	<a href="mailto:srana@ddn.upes.ac.in">srana@ddn.upes.ac.in</a>	<a href="https://www.upes.ac.in/facult">https://www.upes.ac.in/facult</a>
3	<b>Dr. Parteek Prasher</b>	Associate Professor	Chemistry	School of Engineering	172	2015	Rational Design, Synthesis, and Development of Indole based Peptidomimetics as Anti-inflammatory Agents: Appraisal of their Mode of Action	Medicinal Chemistry, Drug Delivery, Biomaterials	<a href="mailto:pprasher@ddn.upes.ac.in">pprasher@ddn.upes.ac.in</a>	<a href="https://www.upes.ac.in/facult">https://www.upes.ac.in/facult</a>
4	<b>Dr. Shefali Arora</b>	Associate Professor	Chemistry	School of Engineering	69	2003	Synthesis of Heterocyclic compound and their biological and analytical studies	Natural product chemistry, synthesis of heterocyclic compound, Ion selective electrodes	<a href="mailto:shefali.arora@ddn.upes.ac.in">shefali.arora@ddn.upes.ac.in</a>	<a href="https://www.upes.ac.in/facult">https://www.upes.ac.in/facult</a>

5	<b>Dr. Shailey Singhal</b>	Sr.Associate Professor	Chemistry	School of Engineering	62	2005	Physico-chemical Studies of Metal Complexes of Sulphur Containing Ligands	Waste management, Catalysis, Bioenergy, Metal oxides	<a href="mailto:shailey@ddn.upes.ac.in">shailey@ddn.upes.ac.in</a>	<a href="https://www.upes.ac.in/facult">https://www.upes.ac.in/facult</a>
6	<b>Dr. Shikha Wadhwa</b>	Associate Professor	Chemistry	School of Engineering	58	2011	Synthesis, properties and applications of titania nanostructures	Removal of organic contaminants from water, bio-sensing of analytes using nanomaterials & nanocomposites	<a href="mailto:shikha.wadhwa@ddn.upes.ac.in">shikha.wadhwa@ddn.upes.ac.in</a>	<a href="https://www.upes.ac.in/facult">https://www.upes.ac.in/facult</a>
7	<b>Dr. Tridib Kumar Sinha</b>	Associate Professor	Chemistry	School of Engineering	45	2016	Functionalized Polymer membrane, Graphene and Polymer Nanocomposite based sensors for Tea Quality Evaluation	1- Synthesis, purification and characterization (Organic molecules, polymers, metal nanoparticles (Including oxides and chalcogenides) 2- Sensors and Energy Harvesters (Electrochemical, piezo/Tribo/Pyro/Thermo/Electric) 3- Green Synthesis, Waste recycling	<a href="mailto:tridib.sinha@ddn.upes.ac.in">tridib.sinha@ddn.upes.ac.in</a>	<a href="https://upes.irins.org/profile/3">https://upes.irins.org/profile/3</a>
8	<b>Dr. Sushil Kumar</b>	Associate Professor	Chemistry	School of Engineering	55	2013	Studies on Ruthenium Chemistry	Luminescent Materials, Photocatalysis, Spectroelectrochemistry	<a href="mailto:sushil.k@ddn.upes.ac.in">sushil.k@ddn.upes.ac.in</a>	<a href="https://upes.irins.org/profile/1">https://upes.irins.org/profile/1</a>

9	<b>Dr. Bhawna Lamba</b>	Professor	Chemistry	School of Engineering	48	2010	Preparation and characterization of biodiesels from vegetable oils for automotive application	Biodiesel, Biofuels, Waste Management	<a href="mailto:byadav@ddn.upes.ac.in">byadav@ddn.upes.ac.in</a>	<a href="https://www.upes.ac.in/faculty">https://www.upes.ac.in/faculty</a>
10	<b>Dr. Tapas Goswami</b>	Sr.Associate Professor	Chemistry	School of Engineering	39	2010	Controlling laser induced photochemistry in supersonic molecular beams and probing ultrafast dynamics in liquid phase		<a href="mailto:tgoswami@ddn.upes.ac.in">tgoswami@ddn.upes.ac.in</a>	<a href="https://in.linkedin.com/in/tapas-goswami">https://in.linkedin.com/in/tapas-goswami</a>
11	<b>Dr. Shilpi Agarwal</b>	Associate Professor	Chemistry	School of Engineering	40	2016	Studies of physicochemical properties with special reference to lubricity of diesel fuels of two different refineries	Photoinduced Catalyses using Ru-Fe or Ru-Cu molecular assemblies, Ruthenium polypyridyl based complexes for fluorescence of cations, Water oxidation using heterobinuclear Ru-Fe complexes	<a href="mailto:shilpi@ddn.upes.ac.in">shilpi@ddn.upes.ac.in</a>	<a href="https://www.upes.ac.in/faculty">https://www.upes.ac.in/faculty</a>
12	<b>Dr. Sanjeev Kumar</b>	Professor	Chemistry	School of Engineering	38	2010	Synthesis and characterization of magnetic nanoparticle	Catalysis, Semiconductors, Synthesis of coupled semiconductor for CO2 sequestration, Use of nanoparticles in energy studies and fuels., Electrical, Magnetic, and Structural Properties of Nano Materials, Development of simple, mild and efficient route to control the architectures and	<a href="mailto:skdubey@ddn.upes.ac.in">skdubey@ddn.upes.ac.in</a>	<a href="https://www.upes.ac.in/faculty">https://www.upes.ac.in/faculty</a>

13	<b>Dr. Sapna Jain</b>	Associate Professor	Chemistry	School of Engineering	36	2011	Synthesis characterization and formulation of novel bioactive compounds	synthesis, Microbial activity, Insecticidal activity, biofuels	<a href="mailto:sjain@ddn.upes.ac.in">sjain@ddn.upes.ac.in</a>	<a href="https://www.upes.ac.in/faculty">https://www.upes.ac.in/faculty</a>
14	<b>Dr. Ritesh Dubey</b>	Assistant Professor	Chemistry	School of Engineering	20	2015	Crystal Engineering from molecule to crystal structure landscape	1. Crystal Engineering 2. Supramolecular Chemistry 3. Hydrogen bonded and metal co-ordination self-assemblies	<a href="mailto:ritesh.dubey@ddn.upes.ac.in">ritesh.dubey@ddn.upes.ac.in</a>	<a href="https://www.upes.ac.in/faculty">https://www.upes.ac.in/faculty</a>
15	<b>Dr. Kasibotla Sriramachandra Murthy</b>	Associate Professor	Chemistry	School of Engineering	16	1999	Studies on the Solvent Extraction and Gas Chromatography of highly volatile mixed ligand complexes of Lanthanides with Hexafluoroacetylacetone (HFAA) and Tri-n-octylphosphine oxide (TOPO)		<a href="mailto:srmurthy@ddn.upes.ac.in">srmurthy@ddn.upes.ac.in</a>	<a href="https://www.upes.ac.in/faculty">https://www.upes.ac.in/faculty</a>
16	<b>Dr. Mamta Latwal</b>	Associate Professor	Chemistry	School of Engineering	20	2013	Electrocatalytic potential of nanoscaled metal hexacyanoferrate- CNT composites and its application in voltammetric detection of paracetamol, salbutamol and morphine Dr.ugs	Nanomaterials, Dr.ug sensors, catalysis	<a href="mailto:mlatwal@ddn.upes.ac.in">mlatwal@ddn.upes.ac.in</a>	<a href="https://www.upes.ac.in/faculty">https://www.upes.ac.in/faculty</a>

17	<b>Dr.Jimmy Mangalam</b>	Assistant Professor	Chemistry	School of Engineering	10	2019	Lead halide perovskite solar cells: fabrication challenges& interface modification using phosphonic acid self-assembled monolayers.	1. Photovoltaics (perovskite solar cells), 2. Semiconductor device fabrication and characterization 3. Opto-electronic properties of semiconductors for nanoelectronic applications	<a href="mailto:jimmy.mangalam@ddn.upes.ac.in">jimmy.mangalam@ddn.upes.ac.in</a>	<a href="https://www.upes.ac.in/faculty/jimmy.mangalam">https://www.upes.ac.in/faculty/jimmy.mangalam</a>
18	<b>Dr.Amit Kumar Sharma</b>	Assistant Professor	Chemistry	School of Engineering	79	2017	Biofuels From Microalgae: Cultivation, Biodiesel production and storage feasibility/	1.Waste water treatment and algal biofuels,algal biorefinery. 2.Waste management (Plastic waste recycling,biomass to value added products). 3.Biofuels (Biodiesel,Biohydrogen,and Biogas) 4. Catalyst synthesis. 5.Biochar productions and application in waste water and soil remediation,carbon capture and energy sectors.	<a href="mailto:amitsharma@ddn.upes.ac.in">amitsharma@ddn.upes.ac.in</a>	<a href="https://www.upes.ac.in/faculty/amitsharma">https://www.upes.ac.in/faculty/amitsharma</a>
19	<b>Dr.Bhavana Gupta</b>	Associate Professor	Chemistry	School of Engineering	62	2013	Comparative studies on chemical and electrochemical synthesis of conducting polymers and their modification for technological applications.	1.Material Chemistry. 2.Applied Chemistry. 3.Soft Robotics	<a href="mailto:bhavana.gupta@ddn.upes.ac.in">bhavana.gupta@ddn.upes.ac.in</a>	<a href="https://scholar.google.co.in/citations?user=K1vYUgIAAAJ&amp;hl=en">https://scholar.google.co.in/citations?user=K1vYUgIAAAJ&amp;hl=en</a>

## School of Engineering – Applied Science (Mathematics)

Sl.	Supervisor Name	Designation	Cluster/ Department	School	Publication s (SCI/Scopus/WOS/ABD C)	Year of PhD Award	Topic of PhD	Research Interest	Email	Profile
1	<b>Dr. Anupam Bhandari</b>	Sr.Associate Professor	Mathematics	School of Engineering	53	2014	in Differentiable Manifolds	FerrohyDr.odyna mics , Nanofluid , Mathematical Modeling	<a href="mailto:abhandari@ddn.upes.ac.in">abhandari@ddn.upes.ac.in</a>	<a href="https://www.upes.ac.in/faculty">https://www.upes.ac.in/faculty</a>
2	<b>Dr.Akmal Husain</b>	Associate Professor	Mathematics	School of Engineering	26	2010	Some investigations Concerning Propagation of Nonlinear waves in Gas- dynamics	Analytical and Numerical Solution of Nonlinear Wave Problem in Gasdynamics, Lie Group Invariance Analysis for Nonlinear PDEs	<a href="mailto:ahusain@ddn.upes.ac.in">ahusain@ddn.upes.ac.in</a>	<a href="https://www.upes.ac.in/faculty">https://www.upes.ac.in/faculty</a>
3	<b>Dr.Monika Manglik</b>	Assistant Professor	Mathematics	School of Engineering	17	2014	Reliability Analysis for complex systems under operating conditions and coverage factor	Applied Mathematics, Statistics	<a href="mailto:mmanglik@ddn.upes.ac.in">mmanglik@ddn.upes.ac.in</a>	<a href="https://www.upes.ac.in/faculty">https://www.upes.ac.in/faculty</a>
4	<b>Dr.Sandeep Dixit</b>	Associate Professor	Mathematics	School of Engineering	17	2011	Abel Inversion and solution of certian variational and non linear problems using Bernstein operational	Integral Equation, Wavelet based operational matrix, Differential Equation	<a href="mailto:sdixit@ddn.upes.ac.in">sdixit@ddn.upes.ac.in</a>	<a href="https://www.upes.ac.in/faculty">https://www.upes.ac.in/faculty</a>
5	<b>Dr. Karmeshu</b>	Distinguished Professor	Mathematics	School of Engineering					<a href="mailto:karmeshu@ddn.upes.ac.in">karmeshu@ddn.upes.ac.in</a>	
6	<b>Dr Amit Kumar</b>	Assistant Professor	Mathematics	School of Engineering	20	2021	A Treatise of the MHD flows of non- Newtonian fluids over different Geometries	1.Fluid Dynamics. 2.Nanofluid Flow. 3.MHD	<a href="mailto:amit_k@ddn.upes.ac.in">amit_k@ddn.upes.ac.in</a>	<a href="https://www.upes.ac.in/faculty/school-of-advanced-engineering/energy/dr-amit-kumar-thakur">https://www.upes.ac.in/faculty/school-of-advanced-engineering/energy/dr-amit-kumar-thakur</a>

## School of Engineering

### School of Engineering – Electrical Cluster

Sl.	Supervisor Name	Designation	Cluster/ Department	School	Publications (SCI/Scopus/ WOS/ABDC)	Year of PhD Award	Topic of PhD	Research Interest	Email	Profile
1	Dr. Adesh Kumar	Professor	Electrical	School of Engineering	120	2014	Design, Validation and FPGA Implementation of Multistage Telecommunication Networks in HDL Environment	VLSI Design, Embedded Systems, Telecommunications	<a href="mailto:adeshkumar@ddn.upes.ac.in">adeshkumar@ddn.upes.ac.in</a>	<a href="https://www.upes.ac.in/school-of-engineering">https://www.upes.ac.in/school-of-engineering</a>
2	Dr.Piyush Kuchhal	Professor & Head	Electrical	School of Engineering	94	2000	Temperature Dependent Equation of State and Its Applications in Condensed Matter	Solar Photovoltaics; Modeling, simulation and characterization, Electromagnetic field Applications; Design and characterization of Microwave devices, Rheological and Tribological modeling and Characterization of fluids	<a href="mailto:pkuchhal@ddn.upes.ac.in">pkuchhal@ddn.upes.ac.in</a>	<a href="https://www.upes.ac.in/faculty">https://www.upes.ac.in/faculty</a>
3	Dr. Rupendra Kumar Pachauri	Associate Professor	Electrical	School of Engineering	170	2016	STUDIES ON PERFORMANCE IMPROVEMENT OF HYBRID POWER GENERATION SYSTEMS	Solar photovoltaic performance enhancement (Stand – alone mode), Hybrid PV/FC/WT power generation system (grid connected & off grid), Artificial Intelligence and Machine learning applications in RE Power system	<a href="mailto:rpachauri@ddn.upes.ac.in">rpachauri@ddn.upes.ac.in</a>	<a href="https://www.upes.ac.in/faculty">https://www.upes.ac.in/faculty</a>



4	<b>Dr.Devender Kumar Saini</b>	Sr. Associate professor	Electrical	School of Engineering	41	2013	Some approached for order reduction of linear interval system & controller design	Resiliency enhancement of Distribution grid , System optimization , Fault Detection & Protection	<a href="mailto:dkksaini@ddn.upes.ac.in">dkksaini@ddn.upes.ac.in</a>	<a href="https://www.upes.ac.in/school-of-engineering">https://www.upes.ac.in/school-of-engineering</a>
5	<b>Dr.Ranjan Mishra</b>	Professor	Electrical	School of Engineering	46	2016	Design of Specific Ultra Wide Band Antenna for Satellite Communication	1. 5G Communication – Spectrum, System Design.2Design and characterization of Microstrip Antenna for Wireless Communication. 3. Frequency Selective Surface	<a href="mailto:rmishra@ddn.upes.ac.in">rmishra@ddn.upes.ac.in</a>	<a href="https://www.upes.ac.in/school-of-engineering">https://www.upes.ac.in/school-of-engineering</a>
6	<b>Dr. Abhinav Sharma</b>	Associate Professor	Electrical	School of Engineering	40	2016	Metaheuristic Approaches for Adaptive Array Signal Processing in Smart Antenna	Signal Processing and Communication, RF and Microwave, Artificial Intelligence and Machine Learning , Optimization Techniques	<a href="mailto:abhinav.sharma@ddn.upes.ac.in">abhinav.sharma@ddn.upes.ac.in</a>	<a href="https://www.upes.ac.in/school-of-engineering">https://www.upes.ac.in/school-of-engineering</a>
7	<b>Dr. Surajit Mondal</b>	Assistant Professor-Selection Grade	Electrical	School of Engineering	32	2020	Experimental Investigations on Pyrolysis of different Biomass using Solar Energy	1.Applications of Solar Energy and Solar Thermal Energy 2.Alternate Energy Technologies 3.Wireless Area Network	<a href="mailto:smondal@ddn.upes.ac.in">smondal@ddn.upes.ac.in</a>	<a href="https://www.upes.ac.in/school-of-engineering">https://www.upes.ac.in/school-of-engineering</a>
8	<b>Dr. Harshit Mohan</b>	Assistant Professor-Senior Scale	Electrical	School of Engineering	25	2022	Direct Power Control of Induction Motor Drives	Electrical Machines, Power Electronics, Drives, Control, IoT	<a href="mailto:harshit.mohan@ddn.upes.ac.in">harshit.mohan@ddn.upes.ac.in</a>	<a href="https://www.upes.ac.in/faculty">https://www.upes.ac.in/faculty</a>

## School of Engineering – Energy Cluster

Sl.	Supervisor Name	Designation	Cluster/Department	School	Publications (SCI/Scopus/WOS/ABDC)	Year of PhD Award	Topic of PhD	Research Interest	Email	Profile
1	<b>Durga Madhab Mahapatra</b>	Sr.Associate Professor	Energy Cluster	School of Engineering	30	2015	Algal Bioprocess Development for Sustainable Wastewater Treatment and Biofuel Production	1. Bioprocess Engineering 2. Environmental Biotechnology 3. Waste Biorefineries and Valorization	<a href="mailto:dmahapatra@ddn.upes.ac.in">dmahapatra@ddn.upes.ac.in</a>	<a href="https://www.upes.ac.in/faculty/dmaha">https://www.upes.ac.in/faculty/dmaha</a>
2	<b>Dr.Atul Kumar Patidar</b>	Sr.Associate Professor	Energy	School of Engineering	40	2010	Neotectonic studies in southern mainland Kachchh using Ground Penetrating Radar (GPR), with special reference to Katrol Hill Fault (KHF)	<ul style="list-style-type: none"> <li>• Energy Conservation &amp; Subsurface Geoexploration (CCUS)</li> <li>• Conventional and Unconventional Hydrocarbon Exploration and Economics</li> <li>• Seismic Interpretation</li> </ul>	<a href="mailto:apatidar@ddn.upes.ac.in">apatidar@ddn.upes.ac.in</a>	<a href="https://www.upes.ac.in/faculty/apatidar">https://www.upes.ac.in/faculty/apatidar</a>
3	<b>Dr. Amit Kumar Thakur</b>	Sr.Associate Professor	Energy Cluster	School of Engineering	22	2021	Modelling & Multiobjective Optimization of an Industrial High density polyethylene slurry reactor	1- Liquid antisolvent crystallization; Drug formulation 2- Reactor modelling, simulation and optimization 3- Wastewater treatment	<a href="mailto:akthakur@ddn.upes.ac.in">akthakur@ddn.upes.ac.in</a>	<a href="https://www.upes.ac.in/schoolofengineering/faculty/akthakur">https://www.upes.ac.in/schoolofengineering/faculty/akthakur</a>

4	<b>Dr.Pushpa Sharma</b>	Distinguish Professor	Energy	School of Engineering	21	1982	Studies on Metal-Metal Sulphide Electrodes of Arsenic Group	Reservoir Modeling and Simulation, EOR/IOE, Artificial Intelligence for Enhancing Oil Recovery in low Salinity Reservoir, 2. Unconventional Methods (Shale Gas, tight gas, Coal Bed Methane, CO2	<a href="mailto:pushpa.sharma@ddn.upes.ac.in">pushpa.sharma@ddn.upes.ac.in</a>	<a href="https://www.upes.ac.in/schools/school-of-engineering/">https://www.upes.ac.in/schools/school-of-engineering/</a>
5	<b>Dr.Harinandan Kumar</b>	Assistant Professor	Energy	School of Engineering	19	2018	Estimation and Simulation of Gas Permeability as well as Stress-Strain behaviour of some Indian Coal Seam	Coal Characterization, Adsorption/desorption Characterization, Permeability Characterization, Solid Mechanics, Geotechnical Engineering, Thin film coating, composite material, solar thermal	<a href="mailto:hkumar@ddn.upes.ac.in">hkumar@ddn.upes.ac.in</a>	<a href="https://www.upes.ac.in/schools/school-of-engineering/">https://www.upes.ac.in/schools/school-of-engineering/</a>
6	<b>Dr. Uday Bhan</b>	Professor	Energy	School of Engineering	35	2012	Palaeobiology and Organic Geochemistry of the Semri Group Sediments, Maihar area, Satna District, Madhya Pradesh	Petroleum Geochemistry & Biostratigraphy: Source rock evaluation and Hydrocarbon generation potential, Formation Evaluation: Petroleum Reservoir characterization and Hydrocarbon flow performance, Sedimentary Basin Analysis: Basin evolution and characterization.	<a href="mailto:ubhan@ddn.upes.ac.in">ubhan@ddn.upes.ac.in</a>	<a href="https://www.upes.ac.in/faculty/">https://www.upes.ac.in/faculty/</a>

7	<b>Dr. Annapurna Boruah</b>	Sr.Associate Professor	Energy	School of Engineering	30	2015	Shale Gas resources of Raniganj Coal Field, Damodar Basin, India	shale gas, tight gas and coal bed methane, Sedimentology and petroleum geology, Stratigraphy and paleontology, Structural geology and mapping, Geomorphology	<a href="mailto:aboruah@ddn.upes.ac.in">aboruah@ddn.upes.ac.in</a>	<a href="https://www.upes.ac.in/sch">https://www.upes.ac.in/sch</a>
8	<b>Dr.Pankaj Kumar Srivastava</b>	Professor	Energy	School of Engineering	14	2007	An Integrated Remote Sensing, Geophysical and GIS based Groundwater Potential Assessment in parts of Bargarh District, Orissa, India	An Integrated approach of natural resource mapping through Remote Sensing & GIS, Algorithm development in Geological and Geophysical problems, Remote Sensing Technology & Development	<a href="mailto:pkshivastava@ddn.upes.ac.in">pkshivastava@ddn.upes.ac.in</a>	<a href="https://www.upes.ac.in/sch">https://www.upes.ac.in/sch</a>
9	<b>Dr. Nilanjana Banerjee</b>	Associate Professor	Energy	School of Engineering	13	2016	Modeling of rheological properties for entangled polymer systems	Modeling, Simulation and Reactor Design, CFD and design, Alternate Energy resources	<a href="mailto:nbanerjee@ddn.upes.ac.in">nbanerjee@ddn.upes.ac.in</a>	<a href="https://www.upes.ac.in/sch">https://www.upes.ac.in/sch</a>

10	<b>Dr. Nirlipta Priyadarshini Nayak</b>	Associate Professor	Energy	School of Engineering	11	2015	Characterization Dr.iven processing of Indian sub-marginal grade of iron ore for value addition	Mineral Engineering, Mineral Processing, Ore & Mining Geology, Sedimentology	<a href="mailto:npnayak@ddn.upes.ac.in">npnayak@ddn.upes.ac.in</a>	<a href="https://www.upes.ac.in/sch">https://www.upes.ac.in/sch</a>
11	<b>Dr.Sunil Kumar Khare</b>	Professor	Energy	School of Engineering	29	2000	Petrogenesis of Mangikhuta and Related Volcanics, Central India with special reference to relict clinopyroxene chemistry	Geochemistry , Dr.illing Engineering (Petroleum engineering)	<a href="mailto:skhare@ddn.upes.ac.in">skhare@ddn.upes.ac.in</a>	<a href="https://www.upes.ac.in/sch">https://www.upes.ac.in/sch</a>
12	<b>Dr.Govindasamy Gopalakrishnan</b>	Professor	Energy	School of Engineering	9	1995	Synthesis, modification, characterization and catalytic activity of zeolite beta	Catalysis, Biofuels, Waste to Energy and chemicals	<a href="mailto:gopalakrishnan@ddn.upes.ac.in">gopalakrishnan@ddn.upes.ac.in</a>	<a href="https://www.upes.ac.in/sch">https://www.upes.ac.in/sch</a>
13	<b>Dr. Vamsi Krishna Kudapa</b>	Associate Professor	Energy	School of Engineering	4	2018	Petroleum	Involved in ABB-COUNSULTANT PROJECT on Modeling and simulation of gas production from shale gas reservoirs	<a href="mailto:vkkudapa@ddn.upes.ac.in">vkkudapa@ddn.upes.ac.in</a>	<a href="https://www.upes.ac.in/facu">https://www.upes.ac.in/facu</a>

14	<b>Dr. Girish Chandra Kothyari</b>	Professor	Energy	School of Engineering	120	2009	Earth Science	Seismology, Tectonic Geomorphology, satellite geodesy	<a href="mailto:girishc.kothyari@ddn.upes.ac.in">girishc.kothyari@ddn.upes.ac.in</a>	<a href="https://scholar.google.co.in/">https://scholar.google.co.in/</a>
15	<b>Dr. Gaurav Pandey</b>	Assistant Professor	Energy	School of Engineering	14	2020	Morphology, Kinetics and Rheology of Methane Hydrate System.	1. Gas Hydrates, Clean Energy, Energy Storage, Flow Assurance, Rheology. 2. Enhanced oil recovery, Carbon Capture and Storage and Sequestration. 3. Drill fluids, oil and gas Nanotechnology.	<a href="mailto:gaurav.pandey@ddn.upes.ac.in">gaurav.pandey@ddn.upes.ac.in</a>	<a href="https://www.upes.ac.in/faculty">https://www.upes.ac.in/faculty</a>
16	<b>Dr. Leena Kapoor</b>	Associate Professor	Energy	School of Engineering	4	2020	Experimental and Theoretical investigation of Biomass pyrolysis to produce Green Fuels.	1. Biofuels conversion technologies. 2. Upgradation of biofuels using catalyst. 3. Reactor modelling, optimization and simulation.	<a href="mailto:lkapoor@ddn.upes.ac.in">lkapoor@ddn.upes.ac.in</a>	<a href="https://www.upes.ac.in/faculty">https://www.upes.ac.in/faculty</a>
17	<b>Dr. Ashish Aggarwal</b>	Associate Professor	Energy	School of Engineering	5	2021	Predictive Modelling and characterization of land subsidence due to ground water and petroleum extraction in around Mehsana Gujrat.	1. Natural Disaster Management/ GIS and Remote Sensing. 2. Hydrogeology. 3. Land use Management.	<a href="mailto:aaggarwal@ddn.upes.ac.in">aaggarwal@ddn.upes.ac.in</a>	<a href="https://www.upes.ac.in/faculty">https://www.upes.ac.in/faculty</a>

## School of Engineering – Mechanical Cluster

Sl.	Supervisor Name	Designation	Cluster/ Department	School	Publications (SCI/Scopus/ WOS/ABDC)	Year of PhD Award	Topic of PhD	Research Interest	Email	Profile
1	Dr. Ajay Kumar	Professor	Mechanical	School of Engineering	52	2014	Simulation Of Vacuum Enhanced Resin Infusion Technology (Verity) Composite Manufacturing Process	Composite Manufacturing Process VARTM/LCM/VERITY, Composite regeneration of Exhaust gases/ CI Engines/DOC/DPF/SCR Technology/Alternate Fuels, Analysis of Mechanical Systems/FEM	<a href="mailto:akumar@ddn.upes.ac.in">akumar@ddn.upes.ac.in</a>	<a href="https://www.upes.ac.in/school">https://www.upes.ac.in/school</a>
2	Dr. Ashish Karn	Sr.Associate Professor	Mechanical	School of Engineering	60	2016	Bubbly Flow Physics For Applications In Aerated Hydr.Oturbines And Underwater Transport	Thermal – Fluid Sciences and Multiphase flows; Experimental Fluid Mechanics, Heat and Mass Transfer, Renewable Energy, Water and environment-friendly technologies	<a href="mailto:akarn@ddn.upes.ac.in">akarn@ddn.upes.ac.in</a>	<a href="https://www.upes.ac.in/school">https://www.upes.ac.in/school</a>
3	Dr. Rajesh Maithani	Sr.Associate Professor	Mechanical	School of Engineering	60	2017	Heat transfer and friction characteristics of V-Ribs with symmetrical gaps roughened solar air hetaer duct.	Renewable energy, heat transfer in Solar thermal systems, heat exchanges, heat sinks.	<a href="mailto:rmaithani@ddn.upes.ac.in">rmaithani@ddn.upes.ac.in</a>	<a href="https://www.upes.ac.in/school">https://www.upes.ac.in/school</a>

4	<b>Dr. Anil Kumar</b>	Associate Professor	Mechanical	School of Engineering	50	2013	Heat And Fluid Flow In Solar Air Heater Duct With Multi V Shaped Ribs With Gap	1.Solar Energy , 2. Nanofluids 3.Computational fluid dynamics (CFD) 4. Hydro and Biomass Energy	<a href="mailto:k.anil@ddn.upes.ac.in">k.anil@ddn.upes.ac.in</a>	<a href="https://www.upes.ac.in/school">https://www.upes.ac.in/school</a>
5	<b>Dr.Roushan Kumar</b>	Sr.Associate Professor	Mechanical	School of Engineering	35	2018	Mathematical Modeling And Modern Control Based Validation Of Automotive Smart Power Window	Battery Technology Automation Technology 2. Automotive Technology 3. E Mobility and Renewable Energy 4. Embedded System application	<a href="mailto:rkumar@ddn.upes.ac.in">rkumar@ddn.upes.ac.in</a>	<a href="https://www.upes.ac.in/faculty/sc">https://www.upes.ac.in/faculty/sc</a>
6	<b>Dr. Jitendra Yadav</b>	Sr.Associate Professor	Mechanical	School of Engineering	30	2016	Model Generation and study of system parameters for friction induced stick slip vibration.	1.Tribology 2.Design. 3. Control. 4.Modeling Simulation	<a href="mailto:jjyadav@ddn.upes.ac.in">jjyadav@ddn.upes.ac.in</a>	<a href="https://www.upes.ac.in/school">https://www.upes.ac.in/school</a>
7	<b>Dr. Velidi V.S.S Gurunadh</b>	Sr.Associate Professor	Mechanical	School of Engineering	48	2014	Flow And Critically Analysis Of Fast Neutron Kinetics Of Gaseous Core Super Critical Reactors In Space Propulsion	1.Combustion Modelling 2. Propulsion, space propulsion 3.Computational fluid dynamics	<a href="mailto:gvssvelidi@ddn.upes.ac.in">gvssvelidi@ddn.upes.ac.in</a>	<a href="https://www.upes.ac.in/school">https://www.upes.ac.in/school</a>



8	<b>Dr. Subhankar Das</b>	Assistant Professor	Mechanical	School of Engineering	29	2019	Silanized Carbon Fillers And Its Damage Mitigation Capabilities For Potential Reinforcement In Hybrid Laminates	1.Epoxy nanocomposites, Laminated Composites Materials 2. Surface Engineering and Nanomaterials 3.Manufacturing Science	<a href="mailto:subhankar.das@ddn.upes.ac.in">subhankar.das@ddn.upes.ac.in</a>	<a href="https://www.upes.ac.in/faculty/sc">https://www.upes.ac.in/faculty/sc</a>
9	<b>Dr. Ashish Mishra</b>	Assistant Professor	Mechanical	School of Engineering	13	2018	A reliability model for a Ti/SiC metal matrix composites	Ballistic impact, Composite Materials, Structural Mechanics, Fracture Mechanics.	<a href="mailto:ashish.mishra@ddn.upes.ac.in">ashish.mishra@ddn.upes.ac.in</a>	<a href="https://www.upes.ac.in/faculty/sc">https://www.upes.ac.in/faculty/sc</a>
10	<b>Dr. Siddharth Jain</b>	Associate Professor	Mechanical	School of Engineering	106	2012	Studies on the stability of biodiesel.From Jatropa Crude oil.	1.Biomass and Bioenergy. 2. Renewable Energy. 3. Life cycle Analysis. 4.Waste of Energy	<a href="mailto:siddharth.jain@ddn.upes.ac.in">siddharth.jain@ddn.upes.ac.in</a>	<a href="https://www.upes.ac.in/faculty/sc">https://www.upes.ac.in/faculty/sc</a>
11	<b>Dr.Piyush Gaur</b>	Assistant Professor-Senior Scale	Mechanical	School of Engineering	14	2019	Characterize atom	1.Humanbody Modelling. 2. Material Modelling.	<a href="mailto:piyush.gaur@ddn.upes.ac.in">piyush.gaur@ddn.upes.ac.in</a>	<a href="https://www.upes.ac.in/faculty/sc">https://www.upes.ac.in/faculty/sc</a>

12	<b>Dr.Sachin Sharma</b>	Assistant Professor-Senior Scale	Mechanical	School of Engineering	43	2023	Design and optimization studies of SAH	1. Modeling and simulations. 2. Optimization. 3 Computational and experimental analysis, Heat T/F. 4. Heat Storage. 5. Natural Correction	<a href="mailto:sachin.sharma@ddn.upes.ac.in">sachin.sharma@ddn.upes.ac.in</a>	<a href="https://www.upes.ac.in/faculty/sc">https://www.upes.ac.in/faculty/sc</a>
13	<b>Dr. Akarsh Verma</b>	Assistant Professor	Mechanical	School of Engineering	132	2020	Atomistic simulation to study properties of Dimensional nanocomposites	1. Molecular Dynamics. 2.Atomistic Modelling. 3.Polymer Composite	<a href="mailto:akarsh.verma@ddn.upes.ac.in">akarsh.verma@ddn.upes.ac.in</a>	<a href="https://upes.irins.org/profile/177854">https://upes.irins.org/profile/177854</a>
14	<b>Dr. Ram Kunwer</b>	Associate Professor	Mechanical	School of Engineering	23	2022	A numerical and experimental study of thermal performance of packed bed thermal energy storage (PBTES) system.	1. Thermal Energy Storage System. 2. Refrigeration 3.Heat Exchanger 4. Multiphysics modeling	<a href="mailto:rkunwer@ddn.upes.ac.in">rkunwer@ddn.upes.ac.in</a>	<a href="https://www.upes.ac.in/faculty/sc">https://www.upes.ac.in/faculty/sc</a>
15	<b>Dr. Dhiraj Kumar</b>	Assistant Professor	Mechanical	School of Engineering	3	2022	Flow-Induced flutter of hinged rigid plate and this flexible sheet	1. Aerodynamics. 2.Fluid-structure Interaction. 3. Experimental fluid mechanics. 4. Flow Control.	<a href="mailto:dhiraj.kumar@ddn.upes.ac.in">dhiraj.kumar@ddn.upes.ac.in</a>	<a href="https://www.upes.ac.in/faculty/sc">https://www.upes.ac.in/faculty/sc</a>

16	<b>Dr. Varun Pratap Singh</b>	Assistant Professor-Senior Scale	Mechanical	School of Engineering	26	2022	Performance enhancement of Artificial roughened solar air heater by using perforated multi V Ribs in double pass parallel flow.	1. Solar Thermal Application. Bio-fuel synthesis. 2. 3. Small and Micro Hydro. LCA, TRL 4.	<a href="mailto:varunpratap.singh@ddn.upes.ac.in">varunpratap.singh@ddn.upes.ac.in</a>	<a href="https://www.upes.ac.in/faculty/sc">https://www.upes.ac.in/faculty/sc</a>
17	<b>Dr. Saurabh Kumar Bharti</b>	Assistant Professor	Mechanical	School of Engineering	9	2022	New kinds of summer field effect in Rotordynamics with non ideal drive.	1. Nonlinear Dynamics. 2. Vibration control and isolation. 3. Multibody dynamics 4. Mechanism synthesis.	<a href="mailto:saurabhk.bharti@ddn.upes.ac.in">saurabhk.bharti@ddn.upes.ac.in</a>	<a href="https://in.linkedin.com/in/saurabhk">https://in.linkedin.com/in/saurabhk</a>
18	Dr.Prashant Shukla	Associate Professor	Mechanical	School of Engineering	9	2022	Design, Development and Analysis of Hydro Seperator for Mixed MSW	1. Machine Design, 2. Waste Management Technology 3. Automotive Technology	<a href="mailto:pshukla@ddn.upes.ac.in">pshukla@ddn.upes.ac.in</a>	<a href="https://in.linkedin.com/in/dr-prashant-shukla">https://in.linkedin.com/in/dr-prashant-shukla</a>

## School of Engineering – Sustainability Cluster

Sl.	Supervisor Name	Designation	Cluster/ Department	School	Publications (SCI/Scopus/ WOS/ABDC)	Year of PhD Award	Topic of PhD	Research Interest	Email	Profile
1	Dr. Manish Kumar	Professor	Sustainability	School of Engineering	297	2009	Comparative Assessment Of Potential Mobility Of Heavy Metals In Soakaway Sediment Of Infiltrate Ion Facilities And Soil Using Sequential Extraction And Isotopic Dilution Techniques Development	Hydrogeochemistry, Hydrological Contamination And Emerging Pollutants, Wastewater-Based Epidemiology	manish.kumar@ddn.upes.ac.in	<a href="https://www.upes.ac.in/">https://www.upes.ac.in/</a>
2	Dr. Bikarama Prasad Yadav	Professor	Sustainability	School of Engineering	45	2017	Role Of Inherently Safer Concept In Hazard Identification And Risk Assessment In Viaduct Work: Design Based Approach	Risk Analysis And Management, Construction Safety, Fire Engineering, Process Safety	bpyadav@ddn.upes.ac.in	Dr. Bikarama Prasad Yadav
3	Dr. Syed Mohammad Tauseef	Professor	Sustainability	School of Engineering	71	2011	Studies In Process Safety And Environmental Protection – With Special Reference To The Application Of Computational Fluid Dynamics (Cfd)	Process Safety And Environmental Risk Assessment, Waste Mgmt, Chemical And Environmental System Modelling And Design	smtauseef@ddn.upes.ac.in	Dr. S. M. Tauseef - School of Engineering

4	<b>Dr.Sunita Varjani</b>	Sr.Associate Professor	Sustainability	School of Engineering	374	2014	Hydrocarbon degrading and Biosurfactants (Bioemulsifiers) producing bacteria from Petroleum Oil wells	Waste Biorefinery: Resource recovery from wastes and wastewater treatment 2. Water-Energy Nexus and its Implications for Sustainability: Process engineering, advancements in process technology 3. Pollution control and abatement: Climate Change Resilience and Adaptation Strategies; Sustainable	<a href="mailto:sunita.varjani@ddn.upes.ac.in">sunita.varjani@ddn.upes.ac.in</a>	<a href="https://www.upes.ac.in/">https://www.upes.ac.in/</a>
5	<b>Dr.Tabassum Abbasi</b>	Assistant Professor (Senior Scale)	Sustainability	School of Engineering	42	2021	Application Of Bioinspired Artificial Intelligence Techniques In The Quantification Of Environmental Impacts	1. Application Of Artificial Intelligence In Environmental Management 2. Development Of Clean-Green And Inexpensive Technology For Pollution Control And Resource Recovery 3. Process Safety And Accident Prevention	<a href="mailto:tabbasi@ddn.upes.ac.in">tabbasi@ddn.upes.ac.in</a>	UPES (irins.org)
6	<b>Dr. Abhishek Nandan</b>	Associate Professor	Sustainability	School of Engineering	25	2020	Environmental And Health Impacts Of Printing And Photocopying; Measurement, Evaluation And Mitigation	1.Air Pollution And Control 2. Solid Waste Management 3. Waste And Water Treatment	<a href="mailto:anandan@ddn.upes.ac.in">anandan@ddn.upes.ac.in</a>	Dr. Abhishek Nandan- School of Engineering
7	<b>Dr. Suvendu Manna</b>	Assistant Professor (Selection Grade)	Sustainability	School of Engineering	63	2015	Fluoride And 2,4-Dichlorophenoxyacetic Acid Removal From Water Using Modified Jute	Environmental Microbiology, Water Treatment And Monitoring, Nano-Composites, 3D Printing Technology In Water Treatment, Waste Minimization	<a href="mailto:smanna@ddn.upes.ac.in">smanna@ddn.upes.ac.in</a>	Suvendu Manna - School of Engineering

8	<b>Dr. Kanchan Bahukhandi</b>	Sr.Associate Professor	Sustainability	School of Engineering	28	2011	A Study Of Surface And Groundwater Quality Of Dehra Dun And Haridwar Districts Of Uttarakhand : Impact Assessment Of Urbanization And Industrialization	Water Pollution, Solid Waste Management, Environmental Impact Assessment , Occupational Safety, & Evaluation Of Occupational Health Hazards Of Carbon Nanotubes	<a href="mailto:kanchan@ddn.upes.ac.in">kanchan@ddn.upes.ac.in</a>	<a href="#">Kanchan Deoli Bahukhandi</a>
9	<b>Dr. Madhuben Sharma</b>	Associate Professor	Sustainability	School of Engineering	7	2019	Surface Water Quality Assessment Of Major Water Bodies In The Himalayan Region	1. Surface Water And Groundwater Quality Assessment By Multivariate Statistical Techniques, Water Quality Indexing And Water Quality Modelling. 2.Solid Waste Management Through Vermicomposting And Bioremediation, 3.Occupational Health And Safety	<a href="mailto:mbsharma@ddn.upes.ac.in">mbsharma@ddn.upes.ac.in</a>	<a href="#">Dr. Madhuben Sharma- So</a>
10	<b>Dr. Saswati Datta</b>	Assistant Professor (Senior Scale)	Sustainability	School of Engineering	7	2017	Influence of bacterial activities on deformation behavior of sands.	Geoenvironmental Engineering, Ground Improvement, Bio-mediated Soil Improvement, Geotechnical Earthquake Engineering, Geotechnical Material Characterization	<a href="mailto:saswati.datta@ddn.upes.ac.in">saswati.datta@ddn.upes.ac.in</a>	<a href="https://www.upes.ac.in/">https://www.upes.ac.in/</a>
11	<b>Dr. Mahesh Kumar Tiwari</b>	Assistant Professor	Sustainability	School of Engineering	10	2022	ITI Roorkee experimental & numerical study on diesel pool fire in a compartment.	1. Fire hazard Analysis. 2. Facade fire in high-rise Building. 3. Sustainability assessment of materials subjected to fire.	<a href="mailto:maheshk.tiwari@ddn.upes.ac.in">maheshk.tiwari@ddn.upes.ac.in</a>	<a href="https://www.upes.ac.in/">https://www.upes.ac.in/</a>

12	<b>Dr. Balendu Shekhar Giri</b>	Assistant Professor (Selection Grade)	Sustainability	School of Engineering	101	2014	Studies on Bio-treatment of waste Gas emissions containing Dimethylsulfide (DMS)	1. Environmental Biotechnology, Biopolymer, Pollution, Bioremediation, Biodegradation. 2. Bioenergy, Biofuel, and Biomass Utilization, Bioresource Technology, Renewable Energy. 3. Process Biotechnology, Biochar, Sustainability, Solid waste Management.	<a href="mailto:balendus.giri@ddn.upes.ac.in">balendus.giri@ddn.upes.ac.in</a>	<a href="https://www.upes.ac.in/">https://www.upes.ac.in/</a>
13	<b>Dr. Ankit Kumar Yadav</b>	Assistant Professor	Sustainability	School of Engineering	30	2021	Modelling the influence of different blood alcohol concentration levels on driving performance and safety of drivers.	1. Road user safety. 2. Sustainable transportation. 3. Traffic psychology and behavior.	<a href="mailto:ankitk.yadav@ddn.upes.ac.in">ankitk.yadav@ddn.upes.ac.in</a>	<a href="https://upes.irins.org/pro">https://upes.irins.org/pro</a>
14	<b>Dr Rahul Silori</b>	Associate Professor	Sustainability	School of Engineering	18	2023	Occurrences, Seasonal variation and Solid-liquid Partitioning of Pharmaceutical and Personal care products in urban wastewater systems: With emphasis on Absorption, and Root Zone based Treatment.	1. Water and wastewater studies. 2. Emerging contaminants and Remediations Approaches. 3. Environmental geochemistry of heavy metals and other contaminants.	<a href="mailto:rsilori@ddn.upes.ac.in">rsilori@ddn.upes.ac.in</a>	<a href="https://www.upes.ac.in/">https://www.upes.ac.in/</a>
15	<b>Dr Saumyaranjan Sahoo</b>	Assistant Professor	Sustainability	School of Engineering	3	2023	Punching shear behaviour of recycled aggregate concrete flat-plates.	1. Structural application of recycled aggregate concrete. 2. Sustainable construction materials. 3. Fibre-reinforced concrete.	<a href="mailto:saumyaranjan.sahoo@ddn.upes.ac.in">saumyaranjan.sahoo@ddn.upes.ac.in</a>	<a href="https://www.upes.ac.in/">https://www.upes.ac.in/</a>

16	<b>Dr.Durga Prasad Panday</b>	Associate Professor	Sustainability	School of Engineering	10	2024	Demystifying the Vulnerability of water resources owing to Hydroclimatic extremes with Bridging perspectives of Quantity and Quality.	1. Hydroclimatic extremes (including compound extremes): Modelling and Prediction. 2. Water quality modeling through machine learning. 3. Conflict resolution techniques in water resources using game theory.	<a href="mailto:dpanday@ddn.upes.ac.in">dpanday@ddn.upes.ac.in</a>	<a href="https://www.upes.ac.in/">https://www.upes.ac.in/</a>
17	<b>Dr. Dharmendra Kumar Gupta</b>	Professor	Energy	School of Engineering	22	2011	Study of Wellbore Stability With Varying Borehole Orientation Through Stress Condition Modeling	Drilling Engineering , HSE in O & G Activities, AI & ML Applications	<a href="mailto:dkgupta@ddn.upes.ac.in">dkgupta@ddn.upes.ac.in</a>	<a href="https://www.upes.ac.in/school-of-engineering">https://www.upes.ac.in/school-of-engineering</a>



## School of Computer Science & Engineering

Sl.	Supervisor Name	Designation	Cluster/ Department	School	Publicatio ns (SCI/Scopus /WOS/ABDC)	Year of PhD Award	Topic of PhD	Research Interest	Email	Profile
1	<b>Dr. Hanumat Sastry G</b>	Professor	Systemics	School of Computer Science & Engineering	24 & 2 Granted Patents	2013	Digital Repositories, Search, Semantic Web And Ai	Optimization, Data Science, Vanet/Iov And Machine Learning	<a href="mailto:hsastry@ddn.upes.ac.in">hsastry@ddn.upes.ac.in</a>	<a href="https://www.upes.ac.in/faculty/scs">https://www.upes.ac.in/faculty/scs</a>
2	<b>Dr. Alok Aggarwal</b>	Professor	Systemics	School of Computer Science & Engineering	125+ & 5 Patents 2 External Projects	2010	Soft Handoff And Capacity Of Cdma Communication Networks	Machine Learning, Artificial Intelligence, Manet, Wireless Sensor Networks, Computer System Architecture	<a href="mailto:alok.aggarwal@ddn.upes.ac.in">alok.aggarwal@ddn.upes.ac.in</a>	<a href="https://www.upes.ac.in/faculty/scs">https://www.upes.ac.in/faculty/scs</a>
3	<b>Dr. Sunil Gupta</b>	Professor	Systemics	School of Computer Science & Engineering	26	2016	Efficient Access Control In Wsn	Cryptography And Network Security, Cloud Computing, Healthcare	<a href="mailto:s.gupta@ddn.upes.ac.in">s.gupta@ddn.upes.ac.in</a>	<a href="https://www.upes.ac.in/faculty/scs">https://www.upes.ac.in/faculty/scs</a>

4	<b>Dr. Neelu Jyoti Ahuja</b>	Professor	Systemics	School of Computer Science & Engineering	41 & 5 Funded Projects	2010	Rule-Based Expert System For Seismic Data Interpretation	Machine Learning, Expert Systems, Soft Computing, Intelligent Systems, Tutoring Systems, Learning Systems, Internet Of Things 2. Data Science, Data Mining And Predictive Modeling, Web Mining, Information Retrieval & Extraction 3. Cloud Computing, Software Engineering, Object Modeling, Ict And	<a href="mailto:neelu@ddn.upes.ac.in">neelu@ddn.upes.ac.in</a>	<a href="https://www.upes.ac.in/faculty/sc">https://www.upes.ac.in/faculty/sc</a>
5	<b>Dr. Ajay Prasad</b>	Professor	Informatics	School of Computer Science & Engineering	SCI-05, Scopus- 23, WOS- 12 3 Patents	2014	Access Management Using Centralized Access Policies And Monitoring In Cloud Computing	Cyber Security, Iot, Aimi	<a href="mailto:aprasad@ddn.upes.ac.in">aprasad@ddn.upes.ac.in</a>	<a href="https://www.upes.ac.in/faculty/sc">https://www.upes.ac.in/faculty/sc</a>
6	<b>Dr. Vijendra Singh</b>	Professor	Informatics	School of Computer Science & Engineering	60 & 4 Patents	2013	Evolving Of Clusters From Multi-Dimensional Data Sets	Artificial Intelligence, Machine Learning, Image Processing, Deep Learning And Big Data	<a href="mailto:vijendra.singh@ddn.upes.ac.in">vijendra.singh@ddn.upes.ac.in</a>	<a href="https://www.upes.ac.in/faculty/sc">https://www.upes.ac.in/faculty/sc</a>
7	<b>Dr. Adarsh Kumar</b>	Professor	Systemics	School of Computer Science & Engineering	68	2016	A Secure And Lightweight Hierarchical Mobile Ad Hoc Network Manet	Cybersecurity And Cryptography, Dr.One Network, Internet Of Things, Blockchain	<a href="mailto:adarsh.kumar@ddn.upes.ac.in">adarsh.kumar@ddn.upes.ac.in</a>	<a href="https://www.upes.ac.in/schools-f">https://www.upes.ac.in/schools-f</a>

8	<b>Dr. Akashdeep Bhardwaj</b>	Professor	Systemics	School of Computer Science & Engineering	25	2018	Designing Secure Architecture To Mitigate Ddos Attacks On Hybrid Clouds	Cybersecurity , Digital Forensics , Iot Security & Malware Attacks	<a href="mailto:abhardwaj@ddn.upes.ac.in">abhardwaj@ddn.upes.ac.in</a>	<a href="https://www.upes.ac.in/faculty/sc">https://www.upes.ac.in/faculty/sc</a>
9	<b>Dr. Anurag Jain</b>	Sr.Associate Professor	Artificial Intelligence	School of Computer Science & Engineering	30+ & 10 published Patents	2017	Secure And Efficient Load Balancing Approach For Cloud Computing Environment	Applications Of Machine Learning And Deep Learning In The Domain Of Societal Interest	<a href="mailto:anurag.jain@ddn.upes.ac.in">anurag.jain@ddn.upes.ac.in</a>	<a href="https://www.upes.ac.in/faculty/sc">https://www.upes.ac.in/faculty/sc</a>
10	<b>Dr. Deepika Koundal</b>	Sr.Associate Professor	Artificial Intelligence	School of Computer Science & Engineering	86 & 1 Patent Granted	2016	Automated System For Delineation Of Thyroid Nodules In Ultrasound Images	Artificial Intelligence, Computer Vision & Image Processing, Biomedical Imaging And Signals, Soft Computing, Machine Learning/ Deep Learning, Cyber Physical System	<a href="mailto:dkoundal@ddn.upes.ac.in">dkoundal@ddn.upes.ac.in</a>	<a href="https://www.upes.ac.in/faculty/sc">https://www.upes.ac.in/faculty/sc</a>
11	<b>Dr. Virender Kadyan</b>	Sr.Associate Professor	Informatics	School of Computer Science & Engineering	38			Speech Recognition, Emotion Recognition, Machine Learning	<a href="mailto:vkadyan@ddn.upes.ac.in">vkadyan@ddn.upes.ac.in</a>	<a href="https://www.upes.ac.in/faculty/sc">https://www.upes.ac.in/faculty/sc</a>

12	<b>Dr. Anil Kumar</b>	Associate Professor	Artificial Intelligence	School of Computer Science & Engineering	5	2021	Development Of Pattern Analysis And Machine Learning technique For Cancer Diagnosis	Computer Aided Diagnosis System For Cancer Disease (Computer Vision, Image Processing, Machine Learning Models)), Data Processing, Classification And Analysis Of Remote Sensing Satellite Data For Various Applications, Algorithm Design And Model Development For Intelligent System	<a href="mailto:svyas@ddn.upes.ac.in">svyas@ddn.upes.ac.in</a>	<a href="https://www.upes.ac.in/faculty/sc">https://www.upes.ac.in/faculty/sc</a>
13	<b>Dr. Hitesh Kumar Sharma</b>	Professor	Cloud and Software Operations	School of Computer Science & Engineering	23	2016	Automated Database Tuning And Administration In Variable Workload Using Dynamic Sga Parameters	Artificial Intelligence, Machine Learning, Deep Learning, Devops, Monolithic/ Microservice Architecture, Software Engineering, Image Processing, Medical Image Processing, Gis	<a href="mailto:hksharma@ddn.upes.ac.in">hksharma@ddn.upes.ac.in</a>	<a href="https://www.upes.ac.in/faculty/sc">https://www.upes.ac.in/faculty/sc</a>
14	<b>Dr. Kingshuk Srivastava</b>	Associate Professor	Data Science	School of Computer Science & Engineering	21	2014	Real Time Data Integration Architecture For Hydr.Ocarbon E&P Data Consolidation	1.Artificial Intelligence2.Data Science3.Business Analytics 4. Big Data	<a href="mailto:ksrivastava@ddn.upes.ac.in">ksrivastava@ddn.upes.ac.in</a>	<a href="https://www.upes.ac.in/faculty/sc">https://www.upes.ac.in/faculty/sc</a>
15	<b>Dr. Prateek Gupta</b>	Assistant Professor	Informatics	School of Computer Science & Engineering	5	2019	Performance Evaluation And Optimization Of Clustering Protocols In Wsns	1. Wireless Sensor Networks And Iot 2. Bio-Inspired And Metaheuristics Techniques 3. Fuzzy Logic Systems 4. Machine Learning	<a href="mailto:p.gupta@ddn.upes.ac.in">p.gupta@ddn.upes.ac.in</a>	<a href="https://www.upes.ac.in/faculty/sc">https://www.upes.ac.in/faculty/sc</a>

16	<b>Dr. Shaurya Gupta</b>	Associate Professor	Data Science	School of Computer Science & Engineering	2	2020	Delay Tolerant Network Enabled Routing Protocol Optimization In Vehicular Ad Hoc Networks	1.Bigdata Analytics2.Machine Learning And Algorithms3.Healthcare Data Management	<a href="mailto:shaurya.gupta@ddn.upes.ac.in">shaurya.gupta@ddn.upes.ac.in</a>	<a href="https://www.upes.ac.in/faculty/sci">https://www.upes.ac.in/faculty/sci</a>
17	<b>Dr. Amit Verma</b>	Assistant Professor	Artificial Intelligence	School of Computer Science & Engineering	5	2020	Multi-State Logic For Computation.	1.Machine Learning2.Deep Learning3.Algorithms	<a href="mailto:amit.verma@ddn.upes.ac.in">amit.verma@ddn.upes.ac.in</a>	<a href="https://www.upes.ac.in/faculty/sci">https://www.upes.ac.in/faculty/sci</a>
18	<b>Dr. Tarandeep Kaur Bhatia</b>	Assistant Professor	Data Science	School of Computer Science & Engineering	12	2021	Data Congestion In Vehicular Ad-Hoc Networks	1. Vanets, Fanets (Networking) 2. Security 3. Software Engineering 4. Agile Software Engineering 5. Internet Of Things 6. Bigdata 7. Artificial Intelligence	<a href="mailto:tarandeep.bhatia@ddn.upes.ac.in">tarandeep.bhatia@ddn.upes.ac.in</a>	<a href="https://www.upes.ac.in/faculty/sci">https://www.upes.ac.in/faculty/sci</a>
19	<b>Dr. Kaushik Ghosh</b>	Associate Professor	Data Science	School of Computer Science & Engineering	SCI-2 & 8 Patents	2018	An Energy Efficient Solution For Prolonging The Lifetime Of Multi-Sink Wireless Sensor Network	Wireless Sensor Networks Machine Learning Internet Of Things	<a href="mailto:kghosh@ddn.upes.ac.in">kghosh@ddn.upes.ac.in</a>	<a href="https://www.upes.ac.in/faculty/sci">https://www.upes.ac.in/faculty/sci</a>

20	<b>Dr. Ved Prakash Bhardwaj</b>	Associate Professor	Data Science	School of Computer Science & Engineering	15 & 4 Granted 2 Published	2014	On Efficiency of Multi-Stage Interconnection Networks	1.Parallel and Distributed Computing 2.IoT, Graph Network Analysis 3.AI/ML	<a href="mailto:vpbhardwaj@ddn.upes.ac.in">vpbhardwaj@ddn.upes.ac.in</a>	<a href="https://www.upes.ac.in/faculty/sc">https://www.upes.ac.in/faculty/sc</a>
21	<b>Dr. Rohit Srivastava</b>	Assistant Professor	Cybernetics	School of Computer Science & Engineering	9	2019	Design A Framework For Authentication Of Human Through Triple Level biometric Fusion Using Artificial Neural Networks	1.Artificial Intelligence 2.Image Processing 3.Biometric Pattern Recognition	<a href="mailto:r.srivastava@ddn.upes.ac.in">r.srivastava@ddn.upes.ac.in</a>	<a href="https://www.upes.ac.in/faculty/sc">https://www.upes.ac.in/faculty/sc</a>
22	<b>Dr. Sonali Vyas</b>	Associate Professor	Cybernetics	School of Computer Science & Engineering	5	2016	Analysis And Design Of Virtualization Technique For Distributed Database Using Xml Schema.	1.Data Analytics And Mining 2.Machine Learning And Algorithms 3.Healthcare Informatics	<a href="mailto:svyas@ddn.upes.ac.in">svyas@ddn.upes.ac.in</a>	<a href="https://www.upes.ac.in/faculty/sc">https://www.upes.ac.in/faculty/sc</a>
23	<b>Dr. Dharendra Sharma</b>	Associate Professor	Cybernetics	School of Computer Science & Engineering	6	2016	Study And Development of Route Maintenance techniques For Manets	1- Computer Networks 2- Wireless Sensor Networks 3- Uav Communication	<a href="mailto:dk.sharma@ddn.upes.ac.in">dk.sharma@ddn.upes.ac.in</a>	<a href="https://www.upes.ac.in/faculty/sc">https://www.upes.ac.in/faculty/sc</a>

24	<b>Dr. Mitali Chugh</b>	Associate Professor	Cybernetics	School of Computer Science & Engineering	2	2021	Evaluation and Analysis Of Best Practices Of Knowledge Management For Spi-A Model-Based approach	1. Software Engineering2. Ai And ML3. Database Management Systems And Data Mining	<a href="mailto:mchugh@ddn.upes.ac.in">mchugh@ddn.upes.ac.in</a>	<a href="https://www.upes.ac.in/school">https://www.upes.ac.in/school</a>
25	<b>Dr. Rohit Tanwar</b>	Sr. Associate Professor	Systemics	School of Computer Science & Engineering	4 & 3 Patents (Granted)	2019	Optimization in Audio Steganography	1. Network Security2. IoT and Wireless Sensor Networks3. Advancement in Healthcare Practices	<a href="mailto:r.tanwar@ddn.upes.ac.in">r.tanwar@ddn.upes.ac.in</a>	<a href="https://www.upes.ac.in/school">https://www.upes.ac.in/school</a>
26	<b>Dr. Muthukumar KA</b>	Assistant Professor	Systemics	School of Computer Science & Engineering	7	2022	Activity Detection Systems using Infrared ArraySensors with Deep Learning.	1. Machine Learning 2. Computer vision, Assistive Healthcare Technology. 3. Human Activity Recognition, IOT, Medical Imaging.	<a href="mailto:muthukumar@ddn.upes.ac.in">muthukumar@ddn.upes.ac.in</a>	<a href="https://www.upes.ac.in/faculty/">https://www.upes.ac.in/faculty/</a>
27	<b>Dr. Bhupendra Singh</b>	Assistant Professor	Systemic	School of Computer Science & Engineering	6	2022	A sensor Network driver	1. Assistive & Rehabilitation Technology. 2. Healthcare Informatics. 3. Image Processing.	<a href="mailto:bhupendra.singh@ddn.upes.ac.in">bhupendra.singh@ddn.upes.ac.in</a>	<a href="https://www.upes.ac.in/faculty/">https://www.upes.ac.in/faculty/</a>

28	<b>Dr. Vinod Patidar</b>	Professor	Informatics	School of Computer Science & Engineering	35	2005	Control and Synchronization of Chaos in Jerk Dynamical System.	1. Image Processing, Image Encryption using Chaos, Quantum Image Encryption. 2. Cryptography, Watermarking, and Steganography. 3. Modelling and Simulation, Dynamical systems, Nonlinear Dynamics and Chaos Theory and applications.	vinod.patidar@ddn.upes.ac.in	<a href="https://www.upes.ac.in/faculty/school-of-computer-science/vinod-patidar">https://www.upes.ac.in/faculty/school-of-computer-science/vinod-patidar</a>
29	<b>Dr. Priya Ranjan</b>	Professor	Informatics	School of Computer Science & Engineering	100	2003	Nonlinear instabilities in computer network dynamics.	1. IOT/ Computer Networking. 2. Clinical Multimedia Processing. 3. Nonlinear Delay Differential Equations,	priya.ranjan@ddn.upes.ac.in	<a href="https://www.upes.ac.in/faculty/">https://www.upes.ac.in/faculty/</a>
30	<b>Dr Shreya Banerjee</b>	Assistant Professor	Systemics	School of Computer Science & Engineering	7	2021	Quantum Correlations: Geometry and Applications	1. Foundation of Quantum Information. 2. Quantum Algorithms and Simulations. 3. Measurement based Quantum Computing	<a href="mailto:shreya.banerjee@ddn.upes.ac.in">shreya.banerjee@ddn.upes.ac.in</a>	<a href="https://www.upes.ac.in/faculty/">https://www.upes.ac.in/faculty/</a>
31	<b>Dr Juhi Agarwal</b>	Assistant Professor	Systemics	School of Computer Science & Engineering	6	2023	An efficient mobility model and routing technique for sparse flying adhoc network.	1. Flying adhoc network (FANETS) / Vehicular ad-hoc network (VANETS) 2. Machine Learning. 3. Sensor networks.	jagrawal@ddn.upes.ac.in	<a href="https://www.upes.ac.in/faculty/">https://www.upes.ac.in/faculty/</a>



32	<b>Dr Gagan Deep Singh</b>	Assistant Professor	Systemics	School of Computer Science & Engineering	9	2021	Swarm Intelligence-based Algorithm for efficient routing in VANET	1. System optimization and performance 2. ICT integration and Automation. 3. IT infrastructure, Data Centre Integration, optimization and performance.	<a href="mailto:gagan@ddn.upes.ac.in">gagan@ddn.upes.ac.in</a>	<a href="https://www.upes.ac.in/faculty/">https://www.upes.ac.in/faculty/</a>
33	<b>Dr Mrityunjay Guha Majumdar</b>	Assistant Professor	Systemics	School of Computer Science & Engineering	8	2019	QIP using Power of SWAP	1. Quantum Entanglement. 2. Quantum Information Processing. 3. Quantum Error Correction.	<a href="mailto:mrityunjay.majumdar@ddn.upes.ac.in">mrityunjay.majumdar@ddn.upes.ac.in</a>	<a href="https://www.upes.ac.in/faculty/">https://www.upes.ac.in/faculty/</a>
34	<b>Dr.Sanoj Kumar</b>	Assistant Professor	Mathematics	School of Engineering	20	2013	Robust Estimation of Optical flow and Disparity Map from Image Sequences	Image Processing, Cryptography and Image Watermarking, Computer Vision	<a href="mailto:sanoj.kumar@ddn.upes.ac.in">sanoj.kumar@ddn.upes.ac.in</a>	<a href="https://www.upes.ac.in/schools/">https://www.upes.ac.in/schools/</a>
35	<b>Dr. Sushabhan Choudhury</b>	Professor	Electrical & Computer Science	School of Engineering	70	2016	Smart Control of Environmental Parameters for Rural Developments using Wearable Computing	WSN, Embedded System, IoT, VLSI, Nanoelectronics, Solar Energy	<a href="mailto:schoudhury@ddn.upes.ac.in">schoudhury@ddn.upes.ac.in</a>	<a href="https://www.upes.ac.in/schools-1/">https://www.upes.ac.in/schools-1/</a>

36	<b>Dr. Vibhu Jately</b>	Associate Professor	Electrical	School of Engineering	11	2017	Design, Development and Performance Investigation of a Boost Converter based MPPT Controller for Photovoltaic Systems	Power electronics applications in Photovoltaic Systems, Converter control strategies for distributed generation systems, Converter topologies pertaining to renewable energy sources	<a href="mailto:Vibhu.jately@ddn.upes.ac.in">Vibhu.jately@ddn.upes.ac.in</a>	<a href="https://www.upes.ac.in/schools-1">https://www.upes.ac.in/schools-1</a>
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## School of Health Science & Technology

Sl.	Supervisor Name	Designation	Cluster/ Department	School	Publications (SCI/Scopus/ WOS/ABDC)	Year of PhD Award	Topic of PhD	Research Interest	Email	Profile
1	<b>Dr. Dhruv Kumar</b>	Professor	Allied Health Sciences	School of Health Science & Technology	<b>64</b>	2012	Atomic force microscopy studies of the amyloidogenic processes of intrinsically unstructured proteins related to neurodegenerat ive disease	1. Cancer Biology, Cancer Metabolism, Biotechnology, Bioinformatics, Cancer Stem Cells 2. Stem Cells, Molecular Medicine, Drug Designing, Drug Discovery 3. Nano-Biotechnology	<a href="mailto:dhruv.kumar@ddn.upes.ac.in">dhruv.kumar@ddn.upes.ac.in</a>	<a href="https://scholar.google.com/citations?user=...">https://scholar.google.com/citations?user=...</a>
2	<b>Dr. Nidhi Chauhan</b>	Professor	Allied Health Sciences	School of Health Science & Technology	<b>120</b>	2012	Fabrication of amperometric acetylcholinesterase biosensors based on Fe <sub>3</sub> O <sub>4</sub> /NPscMWCNT modified Au electrode and ITO plate	1.. Biosensor 2. Nanotechnology 3. Biochemistry/Life Sciences	<a href="mailto:nidhi.chauhan@ddn.upes.ac.in">nidhi.chauhan@ddn.upes.ac.in</a>	<a href="https://www.upes.ac.in">https://www.upes.ac.in</a>
3	<b>Dr. Kuldeep Kumar Roy</b>	Professor	Pharmac eutical Sciences	School of Health Science & Technology	<b>39</b>	2012	Design and synthesis of potential Alzheimer's disease (AD) therapeutics and modeling studies on	Discovery and development of novel and/or improved drugs for Diseases/Disorders of unmet need through Medicinal Chemistry,	<a href="mailto:kuldeep.roy@ddn.upes.ac.in">kuldeep.roy@ddn.upes.ac.in</a>	<a href="https://www.upes.ac.in">https://www.upes.ac.in</a>

4	<b>Dr.Sunita Varjani</b>	Sr.Associate Professor	Allied Health Sciences	School of Health Science & Technology	374	2014	Hydrocarbon degrading and Biosurfactants (Bioemulsifiers) producing bacteria from Petroleum Oil wells	1. Environmental and Industrial (Bio)technology: Bioremediation, Biosorption of heavy metals 2. Bioprocess Technology/Biomanufacturing: Biobased Products; Systems Biology; Circular Bioeconomy	<a href="mailto:sunita.varjani@ddn.upes.ac.in">sunita.varjani@ddn.upes.ac.in</a>	<a href="https://www.upes.ac.in">https://www.upes.ac.in</a>
5	<b>Dr. Rajendra Awasthi</b>	Associate Professor	Pharmaceutical Sciences	School of Health Science & Technology	150	2015	Investigation on gastroretentive controlled release drug delivery system for antiulcer and oral hypoglycemic drugs	1. Development of sustained/ controlled release nano-particulate carriers for targeted drug delivery 2. Development of sustained/ controlled release micro-particulate carriers for targeted drug delivery 3. Excipients development for pharmaceutical applications	<a href="mailto:rajendra.awasthi@ddn.upes.ac.in">rajendra.awasthi@ddn.upes.ac.in</a>	<a href="https://www.upes.ac.in">https://www.upes.ac.in</a>
6	<b>Dr. Jyoti Upadhyay</b>	Sr.Associate Professor	Pharmaceutical Sciences	School of Health Science & Technology	46	2019	Impact Assessment of Persistent Organic Pollutants on the risk of birth defects	Clinical Research, Pharmacology and Toxicology, Maternal and Child Health	<a href="mailto:jupadhyay@ddn.upes.ac.in">jupadhyay@ddn.upes.ac.in</a>	<a href="https://www.upes.ac.in">https://www.upes.ac.in</a>
7	<b>Dr. Shuchi Upadhyay</b>	Associate Professor	Allied Health Sciences	School of Health Science & Technology	31	2013	A Study of Nutritional status and lifestyle management of Thyroid patients	Clinical Nutrition and dietetics , Food quality assessment and characterization , Therapeutic nutrition and management	<a href="mailto:shuchi.upadhyay@ddn.upes.ac.in">shuchi.upadhyay@ddn.upes.ac.in</a>	<a href="https://www.upes.ac.in">https://www.upes.ac.in</a>

8	<b>Dr. Utsab Debnath</b>	Associate Professor	Pharmaceutical Sciences	School of Health Science & Technology	<b>29</b>	2016	Design, Synthesis, Biological evaluation and molecular modelling studies of thiazolidine analogues as anti HIV-1 agents	1. Synthesis of heterocyclic bioactive molecules. 2. Identification of new Drug targets via computer aided design 3. ADC Therapy	<a href="mailto:utsab.debnath@ddn.upes.ac.in">utsab.debnath@ddn.upes.ac.in</a>	<a href="https://www.upes.ac.in">https://www.upes.ac.in</a>
9	<b>Dr. Ravinder Kaushik</b>	Associate Professor	Allied Health Sciences	School of Health Science & Technology	<b>16</b>	2013	Thesis : Development and evaluation vitamin D and calcium fortified milk	Food Fortification with micronutrients and herbs, Cereal processing and bakery products, Development of herbal formulations for diseased conditions	<a href="mailto:ravinder.kaushik@ddn.upes.ac.in">ravinder.kaushik@ddn.upes.ac.in</a>	<a href="https://www.upes.ac.in">https://www.upes.ac.in</a>
10	<b>Dr. Gunjan Vasant Bonde</b>	Assistant Professor	Pharmaceutical Sciences	School of Health Science & Technology	<b>13</b>	2020	Development and evaluation of Lapatinib loaded nanocolloidal micellar drug delivery system for efficient treatment of	1. Conventional drug delivery systems e.g. tablet, capsule, solutions, etc. 2. Novel drug delivery systems e.g. nanocarrier based, nanofibers, scaffolds, etc. 3. Treatment of diseases	<a href="mailto:gbonde@ddn.upes.ac.in">gbonde@ddn.upes.ac.in</a>	<a href="https://www.upes.ac.in">https://www.upes.ac.in</a>
11	<b>Dr. Shubham Dwivedi</b>	Assistant Professor	Pharmaceutical Sciences	School of Health Science & Technology	<b>13</b>	2019	Development, validation, and exploration of novel disease models for autism	Autism, Drug discovery, Pharmacological screening model developments, Nerve cancer interaction	<a href="mailto:shubham.dwivedi@ddn.upes.ac.in">shubham.dwivedi@ddn.upes.ac.in</a>	<a href="#">Dr. Shubham Dwivedi</a>

12	<b>Dr. Snigdha Misra</b>	Assistant Professor	Allied Health Sciences	School of Health Science & Technology	6	2015	Development of Drosophila as an alternative to animal models for assessment and understanding of male reproductive	1.Reproductive Toxicology 2.Molecular Biology and Genetics 3.Identification & functional characterization of candidate genes involved in reproductive adversities, and their	<a href="mailto:snigdha.misra@ddn.upes.ac.in">snigdha.misra@ddn.upes.ac.in</a>	Dr. Snigdha Mishra - S
13	<b>Dr. Smriti Arora</b>	Assistant Professor	Allied Health Sciences	School of Health Science & Technology	15	2013	The mechanism of decoding at the P- site of the ribosome and the role of 3GC base pairs in	Host Pathogen interaction, Ribosome and their epigenetic modifications,	<a href="mailto:smriti.arora@ddn.upes.ac.in">smriti.arora@ddn.upes.ac.in</a>	Smriti Arora - School
14	<b>Dr. Shikha Saxena</b>	Associate Professor	Allied Health Sciences	School of Health Science & Technology	12	2019	A study on the determinants of Household Food Security and their impact on the nutritional status of women in slums of Ghaziabad City	1. Public Health Nutrition. 2. Women and Child Nutrition. 3. Clinical Nutrition and Dietetics / Household Food Security and Tobacco use	<a href="mailto:shikha.saxena@ddn.upes.ac.in">shikha.saxena@ddn.upes.ac.in</a>	<a href="https://www.upes.ac.in">https://www.upes.ac.in</a>
15	<b>Dr. Kamesh</b>	Assistant Professor	Allied Health Sciences	School of Health Science & Technology	7	2016	Identification of non-coding RNAs involved in iron metabolism	1. Non-coding RNAs 2. Cancer 3. Gene regulation	<a href="mailto:kamesh@ddn.upes.ac.in">kamesh@ddn.upes.ac.in</a>	<a href="https://www.upes.ac.in">https://www.upes.ac.in</a>

16	<b>Dr. Mitali Madhumita</b>	Assistant Professor	Allied Health Sciences	School of Health Science & Technology	13		Characterization and food application of extract and essential oil of cured betel leaf.	1. Food functionalization and Fortification. 2. Novel food processing technology 3. Bioactivities extraction and Kinetic Modeling. 4. Protein and Starch Modification.	<a href="mailto:mitali.madhumita@ddn.upes.ac.in">mitali.madhumita@ddn.upes.ac.in</a>	<a href="https://www.upes.ac.in/faculty/school-of-health-sciences-and-technology/mitali-madhumita">https://www.upes.ac.in/faculty/school-of-health-sciences-and-technology/mitali-madhumita</a>
17	<b>Dr. Piyush Kumar</b>	Associate Professor	Allied Health Sciences	School of Health Science & Technology	14	2022	Production and characterization of bacterial phytase and its assessment as feed additive	products-based combination therapies to control bacterial pathogens 2.2. Aptamer and whole cell sensor for detection of xenobiotics and small molecules 3.3. Biochemical and biophysical characterization of enzymes for human	<a href="mailto:piyush.kumar@ddn.upes.ac.in">piyush.kumar@ddn.upes.ac.in</a>	<a href="https://www.upes.ac.in">https://www.upes.ac.in</a>
18	<b>Dr. Prashant Shukla</b>	Professor	Pharmaceutical Sciences	School of Health Science & Technology	17	2015	Novel Drug delivery systems for therapeutic intervention of sepsis and septic shock.	1. Pharmaceuticals. 2. Nanotherapeutics. 3. Polymer modification for drug delivery. 4. Solid-state characterization of Pharmaceuticals.	<a href="mailto:prashant.shukla@ddn.upes.ac.in">prashant.shukla@ddn.upes.ac.in</a>	<a href="https://www.upes.ac.in">https://www.upes.ac.in</a>

19	<b>Dr. Soumya Gupta</b>	Assistant Professor	Allied Health Sciences	School of Health Science & Technology			Dr. Soumya Gupta's research interests revolve around the domains of Public Health Nutrition, Food and Nutrition Policy, Systematic Reviews, Dietary Composition and its impact on metabolic biomarkers, Development of Functional Foods with a specific focus on enhancing protein quality and substituting simple sugars.	<a href="mailto:soumya.gupta@ddn.upes.ac.in">soumya.gupta@ddn.upes.ac.in</a>	<a href="https://www.upes.ac.in">https://www.upes.ac.in</a>
20	<b>Dr.Subhajit Basu</b>	Associate Professor	Allied Health Sciences	School of Health Science & Technology	15	2014	Microbial ecology of Phytoplankton Blooms of the Arabian Sea and their implications 1. Environmental Microbiology. 2. Plant growth-promoting microorganisms and development of biofertilizers. 3. Bioprospecting of novel microbial bioactive metabolites for applications in medicines and agriculture. 4. Metal-microbe interactions for bioremediation and biomineralization research.	<a href="mailto:subhajit.basu@ddn.upes.ac.in">subhajit.basu@ddn.upes.ac.in</a>	<a href="https://www.upes.ac.in">https://www.upes.ac.in</a>
21	<b>Dr Sandhya S</b>	Associate Professor	Pharmaceutical Sciences	School of Health Science & Technology	118	2013	Pharmacognostical, Phytochemical and Pharmacological Studies of three Tephrosia species. 1. Herbal formulation development and standardization. 2. Pharmacological Studies. 3. Pharmacognostical Standardization.	<a href="mailto:sandhya.s@ddn.upes.ac.in">sandhya.s@ddn.upes.ac.in</a>	<a href="https://www.upes.ac.in">https://www.upes.ac.in</a>



22	<b>Dr Anand Gaurav</b>	Professor	Pharmaceutical Sciences	School of Health Science & Technology	48	2012	QSAR,Molecular Modeling,Design and Synthesis of Phosphodiesterase Antagonists.	1. Medicinal Chemistry. 2.Computational Drug Design and Discovery	<a href="mailto:anand.gaurav@ddn.upes.ac.in">anand.gaurav@ddn.upes.ac.in</a>	<a href="https://www.upes.ac.in">https://www.upes.ac.in</a>
23	<b>Dr. Ravi Rawat</b>	Assistant Professor	Pharmaceutical Sciences	School of Health Science & Technology	37	2022	Design synthesis and Biological evaluation of Imidozo Fused Heterocycles.	1.Medicinal Chemistry. 2.Organics Synthesis. 3.Pharmacoinformatics	<a href="mailto:ravi.rawat@ddn.upes.ac.in">ravi.rawat@ddn.upes.ac.in</a>	<a href="https://www.upes.ac.in">https://www.upes.ac.in</a>
24	<b>Dr. Ramendra Pati Pandey</b>	Associate Professor	Pharmaceutical Sciences	School of Health Science & Technology	64	2014	Understanding the Immune response and oxidative stress of secretory of Mycobacterium tuberculosis in Murine model.	1.Immunology and infectoius Diseases. 2.Drug discovery and development. 3.Antimicrobial Resistance	<a href="mailto:ramendra.pandey@ddn.upes.ac.in">ramendra.pandey@ddn.upes.ac.in</a>	<a href="https://www.upes.ac.in">https://www.upes.ac.in</a>
25	<b>Dr Shraddha Manish Gupta</b>	Assistant Professor	Pharmaceutical Sciences	School of Health Science & Technology	9	2023	Design, Synthesis, Biological evaluation of Indene-Indole Derivatives as an Anti-Alzheimers Drug.	1. Computational Chemistry. 2. Drug Design. 3. Neurodegenerative disorders.	<a href="mailto:shraddham.gupta@ddn.upes.ac.in">shraddham.gupta@ddn.upes.ac.in</a>	<a href="https://www.upes.ac.in">https://www.upes.ac.in</a>

26	<b>Dr Laxmi Kirola</b>	Assistant Professor	Allied Health Sciences	School of Health Science & Technology	9	2017	Identification of rare putative casual genetic variants in intellectual disability and Parkinson's disease families.	1. Human Genetics, Neurodegenerative and Neuromuscular Diseases. 2. Human molecular genetics, familial genetics diseases models. 3.D.melanogaster and C elegans as a model human genetic diseases.	<a href="mailto:laxmi.kirola@ddn.upes.ac.in">laxmi.kirola@ddn.upes.ac.in</a>	<a href="https://www.upes.ac.in">https://www.upes.ac.in</a>
27	<b>Dr Divya Tripathi</b>	Assistant Professor	Allied Health Sciences	School of Health Science & Technology	24	2022	Development of biopolymer based formulations for hemostasis and wound healing in civilian and combat operations.	1.Formulation development and drug delivery. 2.Biomedical device development /Biosensors. 3.Biomedical implants. 4.Radiology.	<a href="mailto:divya.tripathi@ddn.upes.ac.in">divya.tripathi@ddn.upes.ac.in</a>	<a href="https://www.upes.ac.in">https://www.upes.ac.in</a>
28	<b>Dr Ramesh Kumar Saini</b>	Associate Professor	Allied Health Sciences	School of Health Science & Technology	85	2014	Studies on enhancement of carotenoids folic acid,iron and their bioavailability in Moringa oleifera and in vitro propagation.	1.Advancement of analytical methodologies for nutraceutical analysis. 2.Food fortification with vitamins and minerals. 3.Valorization of agro-industrial wastes for metabolite production. 4.Investigation of biological activities of phytochemicals.	<a href="mailto:rameshkumar.saini@ddn.upes.ac.in">rameshkumar.saini@ddn.upes.ac.in</a>	<a href="https://www.upes.ac.in">https://www.upes.ac.in</a>
29	<b>Dr Kapil Kumar</b>	Associate Professor	Allied Health Sciences	School of Health Science & Technology	35	2016	Strategies toward convenient synthesis of nitrogen-containing heterocycles.	1.Green Chemistry and Lewis acid catalyzed methodology development. 2. Synthesis of heterocyclics-based NCEs (New Chemical Entities) having pharmacological potential. 3. Compound Aided Drug Design (CADD) and waste utilization for synthesis of pharmaceutical excipients.	<a href="mailto:kapil.kumar@ddn.upes.ac.in">kapil.kumar@ddn.upes.ac.in</a>	<a href="https://www.upes.ac.in">https://www.upes.ac.in</a>

30	<b>Dr Amritansh Bhanot</b>	Assistant Professor	Allied Health Sciences	School of Health Science & Technology	5	2023	Exploration of antimalarial Chemicals space and Bisquinolines and Bisquinazoline hybrids as potential anti-tubercular and anti-malarial agent.	1. Cheminformatics, Docking, and dynamic studies. 2. Synthesis and development of NCE to treat Malaria, Tuberculosis, and Cancer. 3. Polymer synthesis.	<a href="mailto:amritansh.bhanot@ddn.upes.ac.in">amritansh.bhanot@ddn.upes.ac.in</a>	
31	<b>Dr. Nishu Goyal Bansal</b>	Associate Professor	Allied Health Sciences	School of Health Science & Technology	15	2016	In silico Modeling and Experimental Validation for Improving Methanogenesis from CO <sub>2</sub> via <i>M. maripaludis</i> .	1. Metabolic Model reconstruction, phenotype prediction, and analysis. 2. Novel microbial strain development and optimization for environmental remediation. 3. Biofuels and bioenergy. 4. Bacteria-mediated disease treatment	<a href="mailto:nishu.goyal@ddn.upes.ac.in">nishu.goyal@ddn.upes.ac.in</a>	<a href="https://www.upes.ac.in">https://www.upes.ac.in</a>
32	<b>Dr. Utkarsh Jain</b>	Sr.Associate Professor	Allied Health Sciences	School of Health Science & Technology	96	2014	Effects of Helicobacter pylori Vacuolating Cytotoxin A on intracellular calcium signaling in T-Lymphocytes" under the Guide Prof. Dr. Rainer Haas	1. Microbial Pathogenicity, Diseases associated with Pathogenic Microorganisms, Host – Pathogen Interactions, Cell Signaling Pathways, Cancer Biology, Microbial Biotechnology. 2. Nanomaterial based Biosensors/Sensors	<a href="mailto:utkarsh.jain@ddn.upes.ac.in">utkarsh.jain@ddn.upes.ac.in</a>	<a href="https://www.upes.ac.in">https://www.upes.ac.in</a>
33	<b>Dr.Sunita Varjani</b>	Sr.Associate Professor	Sustainability	School of Engineering	268	2014	Hydrocarbon degrading and Biosurfactants (Bioemulsifiers) producing bacteria from Petroleum Oil wells	1. Environment and Industrial Biotechnology. 2. Bioprocess Technology and Waste Management. 3. Wastewater Treatment & Process Engineering.	<a href="mailto:sunita.varjani@ddn.upes.ac.in">sunita.varjani@ddn.upes.ac.in</a>	<a href="https://www.upes.ac.in">https://www.upes.ac.in</a>

34	<b>Dr Gufran Ajmal</b>	Assistant Professor	Pharmaceutical Sciences	School of Health Science & Technology	22	2019	Development and evaluation of ciprofloxacin hydrochloride and quercetin loaded electrospun nanofiber membrane for full thickness wound healing	The research interests include novel drug delivery systems; enhancement of drug solubility; and rate controlled 3D structure-oriented delivery systems for wound healing.	<a href="mailto:gufran.ajmal@ddn.upes.ac.in">gufran.ajmal@ddn.upes.ac.in</a>	<a href="https://www.upes.ac.in">https://www.upes.ac.in</a>
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## School of Law

Sl.	Supervisor Name	Designation	Cluster/ Department	School	Publications (SCI/Scopus/ WOS/ABDC)	Year of PhD Award	Topic of PhD	Research Interest	Email	Profile
1	<b>Dr. Shikha Dimri</b>	Professor	Legal Studies	School of Law	14	2016	A Critical study of laws relating to Medical Negligence	Torts and Consumer protection Laws including medical and healthcare laws, Property laws , Business laws including contracts , Human Rights	<a href="mailto:shikha@ddn.upes.ac.in">shikha@ddn.upes.ac.in</a>	<a href="https://www.upes.ac.in/faculty/shikha-dimri">https://www.upes.ac.in/faculty/shikha-dimri</a>
2	<b>Dr. Gagandeep Kaur</b>	Assistant Professor	Law & Legal Studies	School of Law	48	2014	Jurisprudence of E- Commerce and Consumer Protection in India: A Critical Study With Special Reference to the Information Technology Act, 2000	Cyber Law & The Information Technology Law, E- Commerce and Consumer Protection, Hindu Law, IPR	<a href="mailto:gkaur@ddn.upes.ac.in">gkaur@ddn.upes.ac.in</a>	<a href="https://www.upes.ac.in/faculty/gagandeep-kaur">https://www.upes.ac.in/faculty/gagandeep-kaur</a>
3	<b>Dr. Shilpika Pandey</b>	Assistant Professor	Law & Legal Studies	School of Law	10	2019	Protection of Celebrity Rights in India: Need for Legislative Enactment	1.IPR 2.Law and Women 3. ADR	<a href="mailto:spandey@ddn.upes.ac.in">spandey@ddn.upes.ac.in</a>	<a href="https://in.linkedin.com/in/drshilpikapandey">https://in.linkedin.com/in/drshilpikapandey</a>
4	<b>Dr. Balwinder Singh</b>	Associate Professor	Law & Social Sciences	School of Law	10	2017	Food Security & Effectiveness of Public Distribution System: A Socio-Legal Study with reference to the State of Jammu and Kashmir	Constitutional & Human Rights, Gender and Personal Laws, Environmental Law	<a href="mailto:balwinder.singh@ddn.upes.ac.in">balwinder.singh@ddn.upes.ac.in</a>	<a href="https://www.upes.ac.in/faculty/balwinder-singh">https://www.upes.ac.in/faculty/balwinder-singh</a>

5	<b>Dr. Kanchal Gupta</b>	Associate Professor	Law & Social Sciences	School of Law	10	2018	Law and Policy Against Terrorist Activities in India – A Critical Study	Criminal Law	<a href="mailto:kgupta@ddn.upes.ac.in">kgupta@ddn.upes.ac.in</a>	<a href="https://www.upes.ac.in/faculty">https://www.upes.ac.in/faculty</a>
6	<b>Dr. Anju Pandey</b>	Assistant Professor	Law & Management	School of Law	6	2019	Impact of genetically modified food and patent laws on farmers rights in India: A critical Legal Study	1.Environmental Issues 2.Constitutional Issues 3.Socio-Legal Issues 4.Animal Rights 5.Women and Child Issues 6.Law and Economics 7.Alternative Dispute Resolution	<a href="mailto:a.pandey@ddn.upes.ac.in">a.pandey@ddn.upes.ac.in</a>	<a href="https://www.upes.ac.in/faculty">https://www.upes.ac.in/faculty</a>
7	<b>Dr Hardik Daga</b>	Assistant Professor	Legal Studies	School of Law	6	2021	Legal Framework Relating to State trading Enterprises: A Study in the Context of International Practices.	1. International Trade Law 2. International Investment Law. 3. Contract Law/Environment Law.	<a href="mailto:hardik.daga@ddn.upes.ac.in">hardik.daga@ddn.upes.ac.in</a>	<a href="https://www.upes.ac.in/faculty">https://www.upes.ac.in/faculty</a>
8	<b>Dr. Aarushi Batra</b>	Assistant Professor	Legal Studies	School of Law	4	2022	Gender Discrimination and Other Conundrums in the Area of Sports Law: A Study in India and USA	1. Sports Law, 2. Constitutional Law, 3. Gender Justice, 4. Human Rights, 5. Environmental Law, 6. Media Laws	<a href="mailto:aarushi.batra@ddn.upes.ac.in">aarushi.batra@ddn.upes.ac.in</a>	<a href="https://www.upes.ac.in/faculty">https://www.upes.ac.in/faculty</a>
9	<b>Dr Parth Sharma</b>	Associate Professor	Law & Social Sciences	School of Law	5	2015	Rise of China and South Asian Security	1. International Politics with special reference to China. 2. Media Reviews. 3. Issues concerning higher education. 4. Politics of India since independence	<a href="mailto:parth.sharma@ddn.upes.ac.in">parth.sharma@ddn.upes.ac.in</a>	<a href="https://www.upes.ac.in/faculty">https://www.upes.ac.in/faculty</a>

10	<b>Dr Tauheed Alam</b>	Assistant Professor	Law & Social Sciences	School of Law	4	2018	Capital Punishment under Islamic & Indian Criminal Legal Systems:A Comparative Study	1.Criminal Law 2.Constitutional Law 3.Family Law	<a href="mailto:talam@ddn.upes.ac.in">talam@ddn.upes.ac.in</a>	<a href="https://www.upes.ac.in/fac">https://www.upes.ac.in/fac</a>
11	<b>Dr Bhavana Rao</b>	Associate Professor	International Law	School of Law	12	2022	Womens Entrepreneurship in International Trade: An Analysis of the provision of WTO and CEDAW	1. Trade (WTO). 2. Gender (CEDAW) 3. Interdisciplinary	<a href="mailto:bbhavana.rao@ddn.upes.ac.in">bbhavana.rao@ddn.upes.ac.in</a>	<a href="https://www.upes.ac.in/fac">https://www.upes.ac.in/fac</a>
12	<b>Dr Charu Srivastava</b>	Associate Professor	Law & Legal Studies	School of Law	20	2022	A comparative study of copyright violations in the entertainment sector with emphasis on cinematograph film in India, the US and Germany.	1. Intellectual Property Rights. 2.Sports Law. 3. Technology Law	<a href="mailto:csrivastava@ddn.upes.ac.in">csrivastava@ddn.upes.ac.in</a>	<a href="https://www.upes.ac.in/fac">https://www.upes.ac.in/fac</a>

## School of Design

Sl.	Supervisor Name	Designation	Cluster/ Department	School	Publications (SCI/Scopus/ WOS/ABDC)	Year of PhD Award	Topic of PhD	Research Interest	Email	Profile
1	<b>Dr. Debkumar Chakrabarti</b>	Distinguished Professor	SoDS	School of Design	10+		Design Management	Industrial Design, Design Management, Service Design, Model & Prototype construction, Digital mock-up & presentations, Project scheduling & Management	<a href="mailto:debkumar.chakrabarti@ddn.upes.ac.in">debkumar.chakrabarti@ddn.upes.ac.in</a>	<a href="https://www.upes.ac.in/">https://www.upes.ac.in/</a>
2	<b>Dr. Samrat Dev</b>	Associate Professor	SoDS	School of Design	17	2013	An Ergonomic Study on Occupational Health Problems of Indian Public Transport Workers of Kolkata and Suggestive Remedial Measures	Ergonomics & Human Factor and Sustainable Design, Occupational Safety and Health, Cognitive and Neurophysiological Ergonomics	<a href="mailto:sdev@ddn.upes.ac.in">sdev@ddn.upes.ac.in</a>	<a href="https://www.upes.ac.in/">https://www.upes.ac.in/</a>
3	<b>Dr. Naveen Kumar</b>	Assistant Professor	SoDS	School of Design	20	2018	Development of user's cognitive load centric methodology for HCL based control panel design.	User experience design, Software usability testing, Human-computer interaction, Human factors Industry 4.0 Virtual Reality Computational Neuroscience	<a href="mailto:naveen.kumar@ddn.upes.ac.in">naveen.kumar@ddn.upes.ac.in</a>	<a href="https://www.upes.ac.in/">https://www.upes.ac.in/</a>



4	<b>Dr. Swati Sarkar</b>	Assistant Professor	SoDS	School of Design	4	2022	A study on Perception and Acceptance of Wrist-Worn Wearable Fitness Trackers & development of Intervention Models for Enhancing and Acceptance and Prolonged Use of the Devices, ensuring healthy ageing.	Healthy Ageing, Sustainability, Emotions, Human Behaviour, Bioelectronics, Cognitive Ergonomics	<a href="mailto:swati.sarkar@ddn.upes.ac.in">swati.sarkar@ddn.upes.ac.in</a>	<a href="https://www.upes.ac.in/">https://www.upes.ac.in/</a>
5	<b>Dr.Nilakshi Yein</b>	Assistant Professor	SoDS	School of Design	4	2021	A study on Developing an Interactive stepping exercise tool to improve physical balance of Elderly population in India.	Serious Game, Geron technology, User Experience, Gamified learning, Usability, AR/VR/ XR, Elderly fall Intervention, Design intervention for Special Needs	<a href="mailto:nilakshi.yein@ddn.upes.ac.in">nilakshi.yein@ddn.upes.ac.in</a>	<a href="https://www.upes.ac.in/">https://www.upes.ac.in/</a>

6	<b>Dr. Susmita Sharma Yadav</b>	Associate Professor	SoDS	School of Design	9	2016	Visual response to the Form of a Designed Object: An Exploration in Eye Tracking.	Visual Perception of Form (Form and Aesthetics. Theoretical and Evaluation Framework. Form Studies. Material Culture) Visual Arts and Creative Process, Experience Design (Design for Behavior Change, Social Need)	<a href="mailto:susmita.yadav@ddn.upes.ac.in">susmita.yadav@ddn.upes.ac.in</a>	<a href="https://www.upes.ac.in/">https://www.upes.ac.in/</a>
7	<b>Dr. Debashis Manjunder</b>	Professor	SoDS	School of Design	8	2023	Design and evaluation of Aesthetics and HMI aspects of Amphibious Vehicle for amusement purpose.	1. Transportation Design. 2. Industrial Design. 3. Entrepreneurship and business development.	<a href="mailto:dmanjunder@ddn.upes.ac.in">dmanjunder@ddn.upes.ac.in</a>	<a href="https://www.upes.ac.in/">https://www.upes.ac.in/</a>

## School of Liberal Studies

Sl.	Name of the Guide	Designation	Cluster	School	No. of Papers Publications (SCI/Scopus/WoS/ABDC)	Year of PhD Award	Topic of PhD	Research Interest	Email	Profile
1	<b>Dr.Atri Nautiyal</b>	Director, School of Liberal Studies	Liberal Studies	School of Liberal Studies	4	2019	ASSESSMENT OF RESETTLEMENT AND REHABILITATION ISSUES AND REDRESSAL MEASURES ASSOCIATED WITH LARGE HYDRO POWER PROJECTS IN UTTARAKHAND Title of Thesis	1. Energy 2. Displacement 3. Developmental Economics	<a href="mailto:anautiyal@ddn.upes.ac.in">anautiyal@ddn.upes.ac.in</a>	<a href="https://www.upes.ac.in">https://www.upes.ac.in</a>
2	<b>Dr. Aswani RS</b>	Associate Professor	Liberal Studies	School of Liberal Studies	Total - 3 SCI/Scopus 3	2020	Maritime security challenges for India in the 21st century: Political & strategic issues	International Politics, Geo Politics, Environmental Politics 2- Public policy, Energy Policy, Sustainability 3- Indian Ocean Region, Maritime Security, Climate Change	<a href="mailto:aswani.rs@ddn.upes.ac.in">aswani.rs@ddn.upes.ac.in</a>	<a href="https://www.upes.ac.in">https://www.upes.ac.in</a>
3	<b>Dr Sakshi Chanana</b>	Assistant Professor	Liberal Studies	School of Liberal Studies	Total - 5 SCI/Scopus 1	2014	Dreams of Existence and The Alchemy of Love: A study of Paulo Coelho's Fiction	1. Popular Literature and Culture Studies 2. Digital Humanities 3. Translation Studies	<a href="mailto:sakshi.chanana@ddn.upes.ac.in">sakshi.chanana@ddn.upes.ac.in</a>	<a href="https://www.upes.ac.in">https://www.upes.ac.in</a>

4	<b>Dr. Bitopi Dutta</b>	Assistant Professor	Liberal Studies	School of Liberal Studies	5 Books 1 Book Chapter	2020	“Gender Restructuring in Displaced Indigenous Communities of North East India”	1. Gender and Sexuality, Gender and Development 2. Displacement studies ; Peace and Conflict 3. Indigenous people, North East India	<a href="mailto:bitopi.dutta@ddn.upes.ac.in">bitopi.dutta@ddn.upes.ac.in</a>	<a href="https://www.upes.ac.in">https://www.upes.ac.in</a>
5	<b>Dr Richa Chilana</b>	Sr.Assistant Professor	Liberal Studies	School of Liberal Studies	Total - 9 SCI/Scopus 1	2020	Negotiating the Veil: Purdah in Twentieth Century Indian English Writing	1. Indian English Writing 2. Popular Culture especially crime fiction, stand-up comedy and representation of singlehood in popular culture 3. Gender Studies	<a href="mailto:richa.chilana@ddn.upes.ac.in">richa.chilana@ddn.upes.ac.in</a>	<a href="https://www.linkedin.com">https://www.linkedin.com</a>
6	<b>Dr. Pankaj Singh</b>	Assistant Professor	Liberal Studies	School of Liberal Studies	Total - 14 SCI 2	2022	A Nonrepresentational View of Situated Human Problem Solving: An Ecological Perspective on Agent-Environment Interaction	1.Philosophy 2.Cognitive Science 3.Problem Solving	<a href="mailto:pankaj.singh@ddn.upes.ac.in">pankaj.singh@ddn.upes.ac.in</a>	<a href="#">Dr. Pankaj Singh - School of Liberal Studies</a>
7	<b>Dr Ritam Dutta</b>	Assistant Professor	Liberal Studies	School of Liberal Studies	2	2019	An Ethnographic case study of contemporary Bengali Students 'ADDA' (Hang-Out) in one University in Kolkata: Alternative Pathways to learning or a complete waste of Time.	1. Culture Studies (particularly, youth, cultures) 2. Informal Learning. 3. Comparative Literature.	<a href="mailto:ritam.dutta@ddn.upes.ac.in">ritam.dutta@ddn.upes.ac.in</a>	<a href="https://www.upes.ac.in">https://www.upes.ac.in</a>

## School of Modern Media

Sl.	Name of the Guide	Designation	Cluster	School	No. of Papers Publications (SCI/Scopus/WoS/)	Year of PhD Award	Topic of PhD	Research Interest	Email	Profile
1	Dr. Roshni Sengupta	Associate Professor	Modern Media	School of Modern Media	33	2014	Representation of the Muslim Identity in Popular Hindi Cinema, 1992-2012	1. Indian media and politics 2. Cinema and popular culture. 3. Political communication	<a href="mailto:roshni.sengupta@ddn.upes.ac.in">roshni.sengupta@ddn.upes.ac.in</a>	<a href="https://www.upes.ac.in/faculty">https://www.upes.ac.in/faculty</a>