School of Electronics Engineering - December 2022

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2	Dr. Jasmin Pemeena Priyadarisini M	Digital Image processing Optical Image Processing, Electronic Circuits	https://vitdirectory.vit.ac.in/page/faculty/10094	TT 242	9751354631	jasmin@vit.ac.in
3	Dr. Zachariah C Alex	Sensors/ MEMS/Biomedical/Non Invasive sensors Antenna Design/Microwave Imaging/EMC/EMI Optical sensors/Evanascent mode/SPR/LMR NDT	https://vitdirectory.vit.ac.in/page/faculty/10235	TT 320	9443311349	zachariahcalex@vit.ac.in
4	Dr. Elizabeth Rufus	Microwave Antennas/ Electronics MEMS and Biomedical Sensors	https://vitdirectory.vit.ac.in/page/faculty/10117	TT 341	9443617696	elizabethrufus@vit.ac.in
5	Dr. Kittur Harish Mallikarjun	Machine Learning Based Circuit Design Quantum Computation Novel Electronics Novel Memory Design and Applications Intelligent Weather Monitoring	https://vitdirectory.vit.ac.in/page/faculty/11927	TT 132-D	9566656075	kittur@vit.ac.in
6	Dr. Shambavi K	Microwave Electronics Antennas and Frequency selective Surfaces Metamaterials Millimeter wave communication Sensors	https://vitdirectory.vit.ac.in/page/faculty/10105	TT 244	9487045491	kshambavi@vit.ac.in
7	Dr. Saravanan K	Next Generation Wireless Networks Cognitive Radio Networks Device to Device Communication Green Communication Cryptography and Network Security	https://vitdirectory.vit.ac.in/page/faculty/10189	TT 139	9443099915	kasisaravanan@vit.ac.in
8	Dr. Valarmathi J	Detection and estimation Multisensor Data fusion in Target tracking Deep learning and Mechine learning	https://vitdirectory.vit.ac.in/page/faculty/10153	TT-142	9486725494	jvalarmathi@vit.ac.in
9	Dr. Poonkuzhali R	Investigation on special Antennas for Military applications	https://vitdirectory.vit.ac.in/page/faculty/10658	TT 145 Lab	9366120711	rpoonkuzhali@vit.ac.in

10	**Dr. Bhaskar Mohan Murari**	Biosensor and Biomedical instrumentation and Biomaterial	https://vitdirectory.vit.ac.in/page/faculty/11865	PRP	9629413872	bhaskarmurari@vit.ac.in
11	**Dr. Prakasam P**	Signal/Image Processing Wireless Communication/Networks Machine/Deep Learning Internet of Things Optimization Techniques	https://vitdirectory.vit.ac.in/page/faculty/16382	TT 141	9443119090	prakasam.p@vit.ac.in
12	**Dr. Dharani Bai G**	Signal and Image Processing Sensors Instrumentation and Control Soft Computing-Neural Fuzzy and Genetic	https://vitdirectory.vit.ac.in/page/faculty/10238	TT 501 Lab	8667200249	gdharanibai@vit.ac.in
13	**Dr. Revathi S**	Optical communication and networks Radio over fiber Wireless communications Machine learning- Deep learning Antennas	https://vitdirectory.vit.ac.in/page/faculty/10242	TT 144 Lab	9994308753	srevathi@vit.ac.in
14	**Dr. Velmurugan V**	Optical Interference nano-lithography modelling and simulation of MEMS Thermal effects in nanosystems Nanosensors tribology Nanofluids Energy harvesting technologies	https://vitdirectory.vit.ac.in/page/faculty/10287	TT 430 D	9443316683	vvelmurugan@vit.ac.in
15	**Dr. Renuga Devi S**	Applications of Machine learning technique Wireless Sensor Networks	https://vitdirectory.vit.ac.in/page/faculty/10291	MB-207	9789418173	srenugadevi@vit.ac.in
16	**Dr. Sangeetha A**	Underwater wireless optical communication Design of passive optical components Fiber optic communication and networks Free space optical communication Optical Networks	https://vitdirectory.vit.ac.in/page/faculty/10418	TT 144 Lab	8903751133	asangeetha@vit.ac.in
17	**Dr. Velmurugan T**	Next Generation Wireless Networks Device to Device Communication Green Communication Cognitive Radio Networks Soft computing	https://vitdirectory.vit.ac.in/page/faculty/10429	TT 134 Lab	9443215764	tvelmurugan@vit.ac.in
18	**Dr. Arunachalam V**	FPGA based system design HW/SW partitioning VLSI DSP and reconfigurable architecture	https://vitdirectory.vit.ac.in/page/faculty/10528	TT 130 A	9443038445	varunachalam@vit.ac.in

19	**Dr. Sakthivel R**	VLSI Architecture Low Power High speed architecture Neuromorphic computing Hardware for AI&ML	https://vitdirectory.vit.ac.in/page/faculty/10540	TT 031-034	9994627570	rsakthivel@vit.ac.in
20	**Dr. Rajesh Kumar M**	Speech Processing Biomedical Signal Processing Medical Image Processing Machine Intelligence Health Care Application	https://vitdirectory.vit.ac.in/page/faculty/10674	TT-40	9626488555	mrajeshkumar@vit.ac.in
21	**Dr. Govardhan K**	Sensors Nanomaterials (Synthesis Characterization & Application) MEMS & NEMS Smart System & Automation Data Acquisition & Optimization Techniques	https://vitdirectory.vit.ac.in/page/faculty/10707	TT-103H	9443965472	kgovardhan@vit.ac.in
22	**Dr. Rajesh R**	Signal processing in the wireless relay networks Machine learning in wireless networks resource allocation Machine learning in energy-efficient wireless networks Cognitive radio spectrum sensing	https://vitdirectory.vit.ac.in/page/faculty/10822	TT Ax 102F	9677427073	rajesh@vit.ac.in
23	**Dr. Thanikaiselvan V**	Wireless Communication Information Security (Data Hiding Image Encryption) Wireless Sensor Networks Signal and Image Processing Machine Learning and Deep Learning applications	https://vitdirectory.vit.ac.in/page/faculty/10888	TT 131-D	8807717720	thanikaiselvan@vit.ac.in
24	**Dr. Jeeva J.B**	Medical Image Processing Optical imaging and processing Machine learning in Image Processing Biomedical Instrumentation Simulation and Modeling	https://vitdirectory.vit.ac.in/page/faculty/10904	PRP	9994321835	jbjeeva@vit.ac.in
25	**Dr. Jabeena A**	Optical Communication Free space optics Visible light Communication Optical sensors Biomedical application	https://vitdirectory.vit.ac.in/page/faculty/10915	TT 132	8940518212	ajabeena@vit.ac.in
26	**Dr. Karthikeyan B**	Edge Computing Machine Learning Computer Architecture Embedded Systems Wireless Sensor Networks	https://vitdirectory.vit.ac.in/page/faculty/11052	TT 603 Lab	8903312035	bkarthikeyan@vit.ac.in

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28	**Dr. Sivasankaran K**	Self-Heating and Process Variation Study on Nanoscale FETs Compact Model Development ASIC Design Prototyping and Emulation using FPGA	https://vitdirectory.vit.ac.in/page/faculty/11108	TT-130C	9994256440	ksivasankaran@vit.ac.in
29	**Dr. Kavitha K.V.N**	Wireless Communication & Networking Signal Processing IoT	https://vitdirectory.vit.ac.in/page/faculty/11158	TT 031	9443539585	kvnkavitha@vit.ac.in
30	**Dr. Noor Mohammed V**	Resource allocation for Next Generation wireless networks Massive MIMO and cell free Massive MIMO Reconfigurable Intelligent Surface in Wireless Communication	https://vitdirectory.vit.ac.in/page/faculty/11166	TT- 031-034	9786340547	vnoormohammed@vit.ac.in
31	**Dr. Nandakumar S**	Next Generation Wireless Networks Device to Device Communication Green Communication Cognitive Radio Networks Soft Computing	https://vitdirectory.vit.ac.in/page/faculty/11167	TT 134 Lab	9944454365	snandakumar@vit.ac.in
32	**Dr. Kannadassan D**	Semiconductor Device Physics RF and Microwave Circuit Design Characteristic Mode Analysis	https://vitdirectory.vit.ac.in/page/faculty/11177	TT 218 (C)	9944055243	dkannadassan@vit.ac.in
33	**Dr. Vidhya S**	Medical Instrumentation Medical Physics Bio- Imaging Techniques and Processing Sol-gel Biosensors Rehabilitation Engineering	https://vitdirectory.vit.ac.in/page/faculty/11353	SJT- 611 C	9994157325	svidhyavalentina@vit.ac.in
34	**Dr. Sivacoumar R**	Photonic Crystal Fibers Non-linear Photonics Optical Fiber Sensors Chemical & Bio-Sensors Wireless Sensor Networks Wearable Devices Internet of Things (IoT)	https://vitdirectory.vit.ac.in/page/faculty/11610	TT 601 Lab	9952840844	rsivacoumar@vit.ac.in

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41	**Dr. Aarthi G**	Wireless Optical Communication(FSO and VLC) Optical Communication Wireless communication Optical Sensors 5G	https://vitdirectory.vit.ac.in/page/faculty/11976	TT 132	9003043086	aarthi.g@vit.ac.in
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44	**Dr. Sasikumar P**	Wireless Sensor Networks Communication and Networking Technologies Internet of Things Security in Wired and Wireless Networks Embedded Systems	https://vitdirectory.vit.ac.in/page/faculty/12003	TT 134 Lab	9442027059	sasikumar.p@vit.ac.in
45	**Dr. Kalapraveen Bagadi**	Large scale multiuser MIMO system design Applied Soft Computing,Localization in Wireless sensor networks Non-orthogonal multiple access schemes Wireless channel equalization	https://vitdirectory.vit.ac.in/page/faculty/13594	TT 131 C	8072747987	bkpraveen@vit.ac.in
46	**Dr. Ramakrishnan V.N**	Nanoscale Device modeling Radiation effects on semiconductor devices Vertical GaN Power MOSFET NVM Devices	https://vitdirectory.vit.ac.in/page/faculty/13616	TT246 Lab	9840954095	vnramakrishnan@vit.ac.in
47	**Dr. Vaegae Naveen Kumar**	Signal Processing Soft-computing in Electronics and Communication Sensors Signal Processing and Conditioning Intelligent Electronic-Nose Biomedical Engineering	https://vitdirectory.vit.ac.in/page/faculty/13737	TT Ax 203 C	8072346003	vegenaveen@vit.ac.in
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50	**Dr. Kalaivani S**	Medical Image Processing –Ultrasound MRI and CT Image Analysis SAR (Synthetic Aperture Radar) Image Processing Hyperspectral Image Processing Signal Processing	https://vitdirectory.vit.ac.in/page/faculty/14048	TT Ax 102B	9994958857	kalaivani.s@vit.ac.in
51	**Dr. Budhaditya Bhattacharyya**	Wireless and Mobile Communication: beyond 4G communication Network Security, IoT and Robotics Machine Learning / Deep Learning based strategies on physical and Mac layer based communication for LTE and beyond Adaptive Systems Design using Optimization Algorithms	https://vitdirectory.vit.ac.in/page/faculty/14063	TT 231 Lab	9874340527	budhaditya@vit.ac.in
52	**Dr. Kumaravel S**	ANALOG IC DESIGN DIGITAL IC DESIGN RFIC DESIGN LOW POWER DESIGN VLSI ARCHITECTURES	https://vitdirectory.vit.ac.in/page/faculty/14418	TT 133 C	9600656950	kumaravel.s@vit.ac.in
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55	**Dr. Hariharan S**	Cooperative & D2D communication Cognitive radio network OFDM&OTFS 5G Massive-MIMO Statistical signal Processing	https://vitdirectory.vit.ac.in/page/faculty/14814	TT Ax 103A	9443030278	shariharan@vit.ac.in
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57	**Dr. Nithish Kumar V**	FPGA based system design Computer Arithmetic Integrated circuit design Approximate architecture for Image processing application and Cryptography hardware realization	https://vitdirectory.vit.ac.in/page/faculty/14823	TT Ax 201B	9940105035	nithishkumarv@vit.ac.in
58	**Dr. Suresh Kumar T R**	Antenna Frequency Selective Surface EMC/ EMI	https://vitdirectory.vit.ac.in/page/faculty/14824	TT -103-D	9443215268	trsureshkumar@vit.ac.in
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60	**Dr. Abhijit Bhowmick**	Relay network Cognitive Radio network Full Duplex Communication D2D Communication UAV-assisted communication	https://vitdirectory.vit.ac.in/page/faculty/14842	TT-232	8838898713	abhijit.bhowmick@vit.ac.in
61	**Dr. Sujatha R**	Internet of Things Communication Technologies Cloud Computing Machine Learning Deep Learning Data Security	https://vitdirectory.vit.ac.in/page/faculty/15760	TT 603 Lab	8610045822	sujatha.r@vit.ac.in
62	**Dr. Sriharipriya K C**	5G wireless communications Internet of Things Machine Learning Signal & image Processing Cognitive Radio	https://vitdirectory.vit.ac.in/page/faculty/16383	SJT 612 A14	9865733011	sriharipriya.kc@vit.ac.in
63	**Dr. Rajan Kumar Pandey**	Electronic Structure Theory and Calculations Computational Physics/Material Science Computational Electronics (TCAD) Semiconductor Device Physics Micro/Nanoelectronics	https://vitdirectory.vit.ac.in/page/faculty/16406	TT Ax 203- E	9901850981	rajan.pandey@vit.ac.in
64	**Dr. Sudhakar M S**	Content-Based Image Retrieval Transparency in Machine Learning Polysemy in Lexical semantics Spatio-Spectral analysis of solar prominences Non-destructive analysis of complex plant root systems	https://vitdirectory.vit.ac.in/page/faculty/16441	TT-232 (DSP Lab)	9940622907	sudhakar.ms@vit.ac.in

65	**Dr. Arun Dev Dhar Dwivedi**	Microelectronic and Nano Electronics VLSI Design Optoelectronics Flexible Electronics/Organic Electronics Metal Oxide Semiconductor based Electronics Physics of Semiconductor Devices and Circuits	https://vitdirectory.vit.ac.in/page/faculty/17067	313-A11A - SJT	9450547267	arundevdhar.dwivedi@vit.ac.in
66	**Dr. Chittaranjan Nayak**	My Research Domain is Computational Photonics (Use of Optimization, AI, Ml and Deep learning for next generation Device Design)	https://vitdirectory.vit.ac.in/page/faculty/18839	SJT-116-A01	8132010777	chittaranjan.nayak@vit.ac.in
67	**Dr. Karthikeyan A**	Wireless sensor networks Micrcontrollers and applications IoT and Cloud Computing Microprocessor and Interfacing Computer Networks	https://vitdirectory.vit.ac.in/page/faculty/10881	TT Ax 104H	7904203982	karthikeyan.anbu@vit.ac.in
68	**Dr. Rajalakshmi S**	Next Generation passive Optical networks-stage2 Optical switching Optical devices Optical Communication Optoelectronics	https://vitdirectory.vit.ac.in/page/faculty/10390	TT 031-034	9894283831	srajalakshmi@vit.ac.in
69	**Dr. Bagubali A**	Heterogeneous wireless networks Spectrum sensing in cooperative wireless networks Machine learning in resource allocation for wireless networks Machine learning in energy harvesting and power transfer in wireless networks	https://vitdirectory.vit.ac.in/page/faculty/11335	TT Ax 104B	9047112363	bagubali@vit.ac.in
70	**Dr. Sangeetha N**	LIDAR instrumentation Optical Fiber design Optical fiber bundle design Data Filtering using signal processing methods	https://vitdirectory.vit.ac.in/page/faculty/11545	TT Ax 204F	9443641567	nsangeetha@vit.ac.in
71	**Dr. Muthu Raja S**	Chemical/electrochemical sensors Nanomaterials Fuelcells Organic electronics	https://vitdirectory.vit.ac.in/page/faculty/11575	PRP	8667477039	muthurajas@vit.ac.in

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73	**Dr. Jagannadha Naidu K**	Low power VLSI design VLSI DSP High Speed VLSI architectures for AI and ML On-Chip DC-DC converters ASIC Design Methodology	https://vitdirectory.vit.ac.in/page/faculty/11877	TT Ax 102 G	9943062343	jagannadhanaidu.k@vit.ac.in
74	**Dr. Sankar Ganesh S**	Data Transparency in Machine Learning Efficient VLSI Architecture for ML algorithms Explainable AI Geo Spatial applications using ML and DL Personalised Medicine using AI/ML/DL	https://vitdirectory.vit.ac.in/page/faculty/11895	TT 232 Lab	9486115229	s.sankarganesh@vit.ac.in
75	**Dr. Rajeev Pankaj Nelapati**	Device Modeling Neuromorphic computing Analog IC design Digital IC design	https://vitdirectory.vit.ac.in/page/faculty/12119	TT Ax 204H	9043266364	rajeevpankaj@vit.ac.in
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78	**Dr. Vidhyapathi C.M**	Embedded Vision Systems Hardware Acceleration of Machine Learning algorithms FPGA based High performance Embedded Systems	https://vitdirectory.vit.ac.in/page/faculty/12554	TT603	9790995827	vidhyapathi.cm@vit.ac.in
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83	**Dr. Ravi Kumar C V**	Networking Communication Networks Machine Learning	https://vitdirectory.vit.ac.in/page/faculty/13353	TT- 134	9751282729	ravikumar.cv@vit.ac.in
84	**Dr. Christina Josephine Malathi A**	Compact MIMO Antenna Miniaturization of antennas using Metamaterials Isolation Enhancement in MIMO antennas	https://vitdirectory.vit.ac.in/page/faculty/13434	TT-103 A	9444836895	achristina@vit.ac.in
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87	**Dr. Sathyanarayanan P**	Nanofluidics synthesis of mono-disperse inorganic nanostructures supercapacitors nanotubes and nanowires growth catalysis	https://vitdirectory.vit.ac.in/page/faculty/14717	TT Ax 104 H	9443142422	sathya.punniyakoti@vit.ac.in
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89	**Dr. Pradheep T**	Nanomaterial synthesis 2D materials Thermoelectrics Supercapacitors Internet of Things Solar hydrogen production using hybrid nanomaterials	https://vitdirectory.vit.ac.in/page/faculty/15266	TT Ax 203G	9952121480	pradeep.t@vit.ac.in
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92	**Dr. Mugelan R K**	Green communication 5G and beyond NB-IoT and Wireless Network and Security Cryptography	https://vitdirectory.vit.ac.in/page/faculty/15779	SJT 511 A30	8056428833	mugelan.rk@vit.ac.in
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95	**Dr. Poongundran Selvaprabhu**	Massive MIMO in 5G Information Theory and Coding Interference Alignment for massive MIMO and Multi Hop Networks. Wireless Body Area Networks for Medical Applications and Health Monitoring Error Control Embedded Programming and Coding Theory	https://vitdirectory.vit.ac.in/page/faculty/15964	TT Ax -204 A	6382542943	poongundran.selvaprabhu@vit.ac.in
96	**Dr. Arunkumar Chandrasekhar**	Energy conversion and storage Self-powered systems IoT devices Nanomaterials MEMS	https://vitdirectory.vit.ac.in/page/faculty/15979		9865365817	arunkumar.c@vit.ac.in
97	**Dr. Manish Kumar**	Optical Sensors Plasmonics Nanophotonics Fiber Bragg Gratings Machine Learning	https://vitdirectory.vit.ac.in/page/faculty/16147	SJT WTP 302 B	7544907097	manishkumar@vit.ac.in
98	**Dr. Sangeetha S**	Microwave Antennas Microwave devices Microwave sensors	https://vitdirectory.vit.ac.in/page/faculty/16152	SJT WTP 302C	8056597838	sangeetha.s@vit.ac.in
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102	**Dr. Naveen Mishra**	Metamaterial Miniaturized Antenna Design Miniaturized Metamaterial Filter Design Frequency Selective Surfaces Ultrathin Metamaterial Absorber for RCS reduction Dielectric Resonator Antennas	https://vitdirectory.vit.ac.in/page/faculty/16206	SJT 803 A	7903478011	naveen.mishra@vit.ac.in
103	**Dr. Saurabh Nagar**	Fabrication and Characterization of Electronic Devices RRAM (Memristors) Oxide based materials and devices Optoelectronics	https://vitdirectory.vit.ac.in/page/faculty/16390	SJT 213 A39	9930779375	saurabh.nagar@vit.ac.in
104	**Dr. Karthikeyan M**	Antenna Design Microwave absorbers Wireless communication receive algorithms Microwave filters Biomedical antenna design	https://vitdirectory.vit.ac.in/page/faculty/16395	TT- 204 E Ax	8870458556	karthikeyan.m@vit.ac.in
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106	**Dr. Abdul Majeed K.K**	Analog VLSI Design Mixed Signal IC Design PLL IC Design	https://vitdirectory.vit.ac.in/page/faculty/17013	SJT Ax WTP - 203B	9895944693	abdulmajeed.kk@vit.ac.in
107	**Dr. Rajkishor Kumar**	Artificial intelligence and Machine learning Approach in Antenna Array IoT-Based Smart Antenna RF/Microwave Antennas RF/Microwave Filter	https://vitdirectory.vit.ac.in/page/faculty/17015	SJT 611 C	8271976691	rajkishor.kumar@vit.ac.in

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110	**Dr. Arvind Kumar**	Substrate Integrated Waveguide (SIW) Based Antenna and Circuits Broadband Multiband and CP Planar Antennas Millimeter wave and THz Technologies Antenna for IoT Enabled devices Sensor Antenna	https://vitdirectory.vit.ac.in/page/faculty/17018	SJT 710 B	8903228621	arvind.kumar@vit.ac.in
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2	Dr. Anand S	Flexible electronics - Supercapacitors, Solar energy harvesting & Bio-molecular sensing; Nanophotonics - Optical antennas & Metamaterials; Antennas; Photonic band-gap structures, Terahertz Technology; Nanocommunication	https://vit.ac.in/center/faculty/cnr	TT 034 (12)	7904421089	anand.st@vit.ac.in
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4	Dr. George Jacob	Engineered Nanomaterials and 2D materialsSynthesis for Plasmonics, Energy Harvesting and Storage Devices; Design and fabrication of Printed & Flexible solar cells, Mechanical aspects of the Electrodes	https://vit.ac.in/center/faculty/cnr	TT 321 (A)	9994882510	georgejacob@vit.ac.in
5	Dr. Swati G	Dual-stage upconversion luminescent materials and quantum dots for anti-counterfeiting, Materials for opto-electronic applications, Photon energy storage thermoluminescent materials for dark vision display applications, Optical spectroscopy.	https://vit.ac.in/center/faculty/cnr	TT Annex 204 (D)	9818669339	swati.g@vit.ac.in