



BMS

INSTITUTE OF TECHNOLOGY AND MANAGEMENT

Avalahalli, Doddaballapur Main Road, Bengaluru – 560064

DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

Research Areas

COMPETENCY PROFILE						
Sl. No.	Name of the faculty member	Areas of specialization/Interest			Competency	Remarks(Any projects handled/Industry experience)
		1	2	3		
1	Dr. Naraparedd Ramarao	High Voltage Engineering	Control & Automation		Electrical Systems Design, Modeling and Simulation, Design and Development of Autonomous Robots	Academic Research- Published more than 20 papers in High voltage Engineering, handled UG projects in Control and Automation
2	Dr. Sanjay Lakshminarayanan	Power Electronics	Multilevel Inverters	Industrial Electronics/Renewable Energy	Design and development of power converters	Worked in a UPS company for 3 years. Worked on induction heaters during M.Sc(Engg) at IISc. Designed multilevel inverters during PhD, based on polygonal voltage space vectors
3	Mr. Kattimani H D	Digital electronics	Renewable Energy		Energy Auditing & Demand Side Management	Subject knowledge on control and automation.
4	Dr. Madhu Palati	High Voltage Engineering	Power Systems		Pulsed Electric Fields, Marx generator, Design of Transformers, Expertise in Analyzing Electrical Circuits and Power systems using PSPICE and ETAP	Worked as a Principal Investigator for BRNS funded Project. Worked as a Software Engineer in IBM for four and half years. Published more than 20 papers in International Journals and presented 15 papers in Conferences.

5	Mrs. Suma Umesh	MEMS, smart sensors	Power Electronics		MEMS system modeling and simulation, Embedded systems, circuit simulation	Worked as Principal Investigator for NRB, DRDO funded project for system design and simulation, Published papers in IEEE and Elsevier materials today proceedings.
6	Dr. Prashant Athavale	Digital Signal Processing	Image analysis and interpretation		Algorithm development for image analysis, MATLAB programming, biomedical applications of signal processing	Working towards developing an algorithm for image analysis
7	Mrs. Manjula B K	VLSI design & Embedded system	sensors & transducers		Electrical Machines, programming	Worked at NAL for 8 years and developed software to test fin part of an aircraft and completed the project.
8	Mr. Vikram Chekuri	Power System Engineering	Control Systems		Modelling and Simulation of Electric Power System	Worked on voltage stability enhancement using FACTS Controllers
9	Mr. Babu Naik G	Power System Engineering	High Voltage Engineering		MATLAB simulation of electric power systems	worked on active power loading on voltage stability and algorithm to improve voltage stability of radial network and meshed power system
10	Mr. Manjunatha Babu P	Power and Energy Systems	Power Systems		Energy Audit and MATLAB Simulation of Power systems	Worked on voltage stability and contingency enhancement using FACTS Controllers
11	Mr Ozwin Dsouza	Industrial Drives	High Voltage Engineering		Pulsed Electric Field Applications in Improving shelf life of liquid foods.	Academic Projects on Piezo Electricity, Audio Applications in Agriculture.
12	Mrs. Shilp G	Industrial Drives	Power Electronics		Inverter Design for drives	Academic Projects on converter Design, Published two Papers
13	Mr. Prashanth N A	Computer Applications in Industrial Drives	Wind Power Systems		Computational Intelligence	Worked on optimization of wind power systems
14	Mr. Nagaraj D C	VLSI and Embedded Systems	Control and Automation	Electrical Machines	Electrical Machine Design, Design of Automatic Motor Control projects, Circuit Building for Electrical Experiments	Academic Projects on Automatic Control, Published Three Papers

15	Mr. Rajnikanth V K	Power Electronics	Wind Power Systems	PLC	Simulation of power electronics circuits	worked on speed control of Induction motor using power electronics
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