

MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR-5

(A Govt. Aided UGC Autonomous & NAAC Accredited Institute Affiliated to RGPV, Bhopal)

ELECTRICAL ENGINEERING DEPARTMENT

Sponsored Projects (Last 3 Year)

Sr. No	Title of project	Sponsoring Agency	Scheme	Year of Funding	PI/CO-PI	Amount released in lakhs	Status
1.	FIST- PROJECT (Level-0) Area-Energy	DST		June 2019	Dr. Laxmi Srivastava	49.40	Ongoing
2.	Impact of Renewable Energy Source Integration on Power System Inertia: Challenges & Solutions	AICTE	NPIU-CRS	June 2019	Bhavna Rathore (PI), Dr. Laxmi Srivastava(Co-PI) Rahul Sagwal (Co-PI)	17.17	Ongoing
3.	Health Monitoring with Energy Conservation of Ring Frame Three Phase Induction Motor (RFTPIM) in Textile Industries Using Soft Computing Techniques	AICTE	NPIU-CRS	June 2019	Saurabh Kumar Rajput (PI), Dr.SulochanaWadhvani (Co-PI)	13.77	Ongoing
4.	The three-dimensional approach in joint replacement technique to aid the orthopedic surgeons	AICTE	NPIU-CRS	June 2019	Punjan Dohare (PI), Dr. Arun Kumar Wadhvani (Co-PI)	14.87	Ongoing
5.	Medical Image Processing	AICTE NDF	RPS	March 2019	Dr. A. K. Wadhvani (PI)	21.75	Ongoing
6.	Up-gradation of Electrical Machines and Drive Lab.	AICTE	MODROB S	Sep. 2017	Dr. Laxmi Srivastava (PI)	9.30	Complete (Jan 2020)

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7.	Addressing power system operational challenges with Renewable Energy Resources using nature inspired optimization technique.	AICTE	RPS	Aug. 2017	Dr. Manjaree Pandit	12.35	Ongoing
8.	Post Doctoral Fellowship (UGC Research Award)	UGC	Research Award	May 2016	Dr. Manjaree Pandit	24.17	Complete (May 2017)
9.	Analysis of Bio-potential Signals using soft computing techniques	UGC	MRP	April 2010	Dr. A.K. Wadhvani	10.25	Complete (Mar 2016)
10.	Soft-Computing Techniques for Optimal Allocation of FACTS Devices to Improve Power System Performance	UGC	MRP	July 2012	Dr. Laxmi Srivastava	11.53	Complete (May 2017)
Total Amount Rs						184.56	Lac

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Research & Developments Projects

(During Last 10 Years)

S. No.	Sponsoring Agency	Title of project	Principle Investigator	Amount of Grant (Rs)	Status
1	DST(FIST)	Setting up of power components and system simulation lab	Dr. Laxmi Srivastava	38.00 Lac	complete
2	AICTE	Modernization of the control system Laboratory	Dr. Laxmi Srivastava	14.00 Lac	complete
3	DST	Integrated FNN approach for voltage security assessment of MPSEB system	Dr. Manjaree Pandit	10.92 Lac	complete
4	AICTE (RPS)	ANN Approach to power system voltage stability assessment	Dr. Manjaree Pandit	3.75 Lac	complete
5	UGC (MRP)	AI approach to power system security assessment.	Dr. Manjaree Pandit	3.86 Lac	complete
6	AICTE (RPS)	Security assessment of a practical power network using soft computing techniques	Dr. Manjaree Pandit	5.75 Lac	complete

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7	AICTE (RPS)	Soft-Computing Techniques for Congestion Management in Restructured Power System Scenario	Dr. Laxmi Srivastava	10.00 Lac	complete
8	AICTE (MODROB)	Modernizations of Measurement & Instrumentation Lab	Dr. A.K. Wadhvani	8.00 Lac	complete
9	AICTE (RPS)	Real time health monitoring for accurate disease diagnostics of human being	Dr. A.K. Wadhvani	6.40 Lac	complete
10	AICTE (RPS)	Analysis for Fault Identification in Rotating Electrical Machines	Dr. S. Wadhvani	7.06 Lac	complete
11	UGC (MRP)	Power System Optimization And Security Assessment Using Soft Computing Techniques	Dr. Manjaree Pandit	11.87 Lac	complete
12	DST (Research Project)	Integrated Security Assessment of Power System Using Distributed Computing and its Enhancement	Dr. Laxmi Srivastava	14.16 Lac	complete
13	UGC(MRP)	Analysis of Bio-potential Signals using soft computing techniques	Dr. A.K. Wadhvani	10.25 Lac	complete
14	AICTE (MODROB)	Modernization of Electrical Machine Lab	Dr. S. Wadhvani	11.00 Lac	complete
15	AICTE, (MODROB)	Modernizations of High Voltage Testing Lab	Dr. A.K. Wadhvani	10.00 Lac	ongoing

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16	AICTE, (MODROB)	Modernization of Power Components & System Simulation Lab	Dr. Laxmi Srivastava	11.00 Lac	complete
17	AICTE, (RPS)	Indigenous Database Creation of Bioelectric Signal and Disease Diagnosis Using Recent DSP Techniques	Dr. A.K. Wadhvani	7.00 Lac	complete
18	AICTE(RPS)	Intelligent Monitoring of Industrial Drive	Dr. S. Wadhvani	11.00 Lac	complete
		TOTAL	2.05 crore Approx.		

Dr. L Srivastava
Prof. &Head,EED