

# **NAAC Criterion-I**

## **Curricular Aspects**

**Key Indicator -1.1 Curriculum Design and Development**

### **Sub-Criteria -1.1.2**



**Department of Electrical Engineering**

**MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR**

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

**Gola ka Mandir, Gwalior - 474005, Madhya Pradesh, India**

**Department of Electrical Engineering**  
**M.E Industrial Systems and Drives**

SEMESTER	2019-2021 BATCH (Old Scheme)		2020-2022 BATCH (New Scheme)		Percentage Change
	COURSE CODE	COURSE NAME	COURSE CODE	COURSE NAME	
I	580101	Computational Techniques	580111	Computational Techniques	68.42
	580102	Static Power Converters	580112	Power Electronics Converters	
	580103	Advanced Microprocessors and	580113	Intelligent Control Techniques	
	580104	Advanced Control System	Elective-I	580114 Power Quality and FACTS Controllers 580115 Smart grid Technology	
	Elective-I	580105 Power Quality and FACTS Controllers	OC-I	800100 Industrial Instrumentation	
	580106	Systems & Drives Lab-I	580118	Systems & Drives Lab -I	
	580107	Computer Simulation Lab-I	580119	Self Learning / Presentation (run through SWAYAM )	
II	580201	Advanced Power Electronics	580211	Semiconductor Controlled Drives	
	580202	Computer Aided Protection	580212	Electrical Machines Modeling and	
	580203	Modeling Simulation and Evolutionary Techniques	580213	Microcontroller and Its Applications to Power Converters	
	580204	Electrical Machine Modeling and Drives	Elective -II 5802014	580214 Industrial Automation and Control	
	Elective-II	580205 Restructured Power System 580206 Digital Signal Processing	OC-II	800200 Optimal Control	
	580207	Systems & Drives Lab II	580216	Systems & Drives Lab II	
	580208	Computer Simulation Lab-II	580217	Self Learning / Presentation	
III	580301	Semiconductor Controlled Drives	580311	Dissertation Part-I (Literature	
	Elective-III	580302 Industrial Instrumentation 580303 Fuzzy Control 580304 Power System Instrumentation and Control 580305 Power System Analysis and Control	MOOCS	580312 Advances in UHV Transmission and Distribution 580312 Introduction to Internet of things	
		580306		Industrial Training	
		580307		Prelim Dissertation	
IV	580401	Dissertation Evaluation and Defense	580411	Dissertation Part-II	
				Total Change	