GODAVARI INSTITUTE OF ENGINEERING & TECHNOLOGY

Autonomous

DEPARTMENT OF ELECTRICAL & ELECRONICS ENGINEERING

Course Structure – M.Tech (PSHVE)

2014-15

M.Tech – I SEMESTER

S. No.	Subject Code	Subject Title	L	T	P	C	I	E	T
1		Generation & Measurements Of High Voltages	3	1	-	3	40	60	100
2		Dielectrics And Insulation Engineering	3	1	-	3	40	60	100
3		H.V.D.C. Transmission	3	1	-	3	40	60	100
4		Power System Operation And Control	3	2	-	3	40	60	100
5		(Elective-I) Artificial Intelligence Techniques Advanced Digital Signal Processing Smart Grid Break Down Phenomenon In Electrical Insulation	3	1	-	3	40	60	100
6		(Elective-II) High Voltage Power Apparatus And Diagnostics Collision Phenomena In Plasma Science Advanced EM Fields	3	1	-	3	40	60	100
7		High Voltage Laboratory	--	--	3	2	40	60	100
		Total	**18**	**6**	**3**	**20**	**280**	**420**	**700**

Approved Course structure
as Per BOS 18/6/15

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M. Tech – II SEMESTER

S. No.	Subject Code	Subject Title	L	T	P	C	I	E	T
1		High Voltage Testing Techniques	3	1	-	3	40	60	100
2		HVAC Transmission	3	1	-	3	40	60	100
3		Surge Phenomenon And Insulation Coordination	3	-	-	3	40	60	100
4		Advanced Power System Protection	3	1	-	3	40	60	100
5		(ELECTIVE-III) Partial Discharges In HV Equipment High Voltage Systems Using EMTP Analysis Pulse Power Engineering	3	1	-	3	40	60	100
6		(ELECTIVE-IV) Flexible Ac Transmission Systems Power System Deregulation Reactive Power Compensation & Management	3	1	-	3	40	60	100
7		Simulation Laboratory	--	--	3	2	40	60	100
		Total	**18**	**6**	**3**	**20**	**280**	**420**	**700**

Approved Course structure as per BOS on 18/6/15

III SEMESTER

S. No.	Subject Title	L	T	P	C
1	Seminar-I	-	-	-	2
2	Project work - I (PART-I)	-	-	-	18
Total		-	-	-	20

IV SEMESTER

S. No.	Subject Title	L	T	P	C
1	Seminar-II	-	-	-	2
2	Project work - II (PART-II)	-	-	-	18
Total		-	-	-	20