

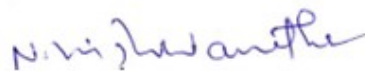
DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING
 2 Years M.Tech. (Power Systems (High Voltage Engineering)) Course
 Structure : (2020-21)

w.e.f. Academic Year : 2020-2021

M.Tech (PSHVE) I-SEMESTER										
S. No.	Course Code	Course	Category	Periods per week			C	Scheme of Examination Maximum Marks		
				L	T	P		Int	Ext	Total
1	20221101	Generation and Measurement of High Voltages	PC	3	0	0	3	30	70	100
2	20221102	Dielectrics and Insulation Engineering	PC	3	0	0	3	30	70	100
3	20221161A	(PROGRAM ELECTIVE I) Power Systems Reforms	PE	3	0	0	3	30	70	100
	20221161B	High Voltage Direct Current Transmission								
	20221161C	Break down Phenomenon in Electrical Insulation (Gases, Liquids, Solids and Vacuum)								
4	20221162A	(PROGRAM ELECTIVE II) High Voltage Power Apparatus and Diagnostics	PE	3	0	0	3	30	70	100
	20221162B	Collision Phenomena in Plasma Science								
	20221162C	Advanced Electro Magnetic Fields								
5	20221103	Research Methodology	CC	2	0	0	2	30	70	100
6	20221111	Simulation Laboratory – I	LB	0	0	4	2	30	70	100
7	20221112	High Voltage Laboratory	LB	0	0	4	2	30	70	100
8	20221191	Audit Course-I	AC	2	0	0	0	30	70	100
		Total		16	0	8	18	240	560	800



 University Nominee
 (Dr.Y.Srinivasa Kishore Babu)



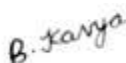
 Subject Expert
 (Dr.N.Viswanathan)



 Subject Expert
 (Dr.B.Ravi Kumar)



 Internal Member
 (Mr.T.Amar Kiran)



 Internal Member
 (Mrs B Kavya Santhoshi)



 Internal Member
 (Mr V Suresh)



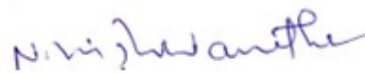
 Chairman-BOS
 (Dr.D.Ravi Kishore)

w.e.f. Academic Year : 2020-2021

M. Tech. (PSHVE) II-SEMESTER										
S. No.	Course Code	Course	Category	Periods per week			C	Scheme of Examination Maximum Marks		
				L	T	P		Int	Ext	Total
1	20221201	High Voltage Testing Techniques	PC	3	0	0	3	30	70	100
2	20221202	Surge Phenomenon and Insulation Co-ordination	PC	3	0	0	3	30	70	100
3		(PROGRAM ELECTIVE III)	PE							
	20221261A	Partial Discharges in High Voltage Equipment					30	70	100	
	20221261B	Gas Insulated Systems and Substations		3	0	0	3			
	20221261C	Pulse Power Engineering								
4		(PROGRAM ELECTIVE IV)	PE							
	20221262A	Flexible ac transmission Systems					30	70	100	
	20221262B	EHVAC Transmission		3	0	0	3			
	20221262C	Smart Grid Technologies								
5	20221211	Simulation Laboratory-II	LB	0	0	4	2	30	70	100
6	20221212	Power Systems Laboratory	LB	0	0	4	2	30	70	100
7	20221231	Mini Project	MP	0	0	4	2	100	0	100
8	20221291	Audit Course – II	AC	2	0	0	0	30	70	100
		Total		14	0	12	18	310	490	800



 University Nominee
 (Dr.Y.Srinivasa Kishore Babu)



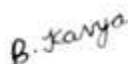
 Subject Expert
 (Dr.N.Viswanathan)



 Subject Expert
 (Dr.B.Ravi Kumar)



 Internal Member
 (Mr.T.Amar Kiran)



 Internal Member
 (Mrs B Kavya Santhoshi)



 Internal Member
 (Mr V Suresh)



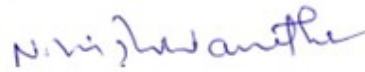
 Chairman-BOS
 (Dr.D.Ravi Kishore)

DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING
2 Years M.Tech. (Power Systems (High Voltage Engineering)) Course
Structure : (2020-21)

Audit Course-1 * & 2*	
1. English for Research Paper Writing	4. Constitution Of India
2. Disaster Management	5. Pedagogy Studies
3. Value Education	6. Personality Development through Life Enlightenment Skills



University Nominee
(Dr.Y.Srinivasa Kishore Babu)



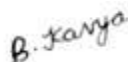
Subject Expert
(Dr.N.Viswanathan)



Subject Expert
(Dr.B.Ravi Kumar)



Internal Member
(Mr.T.Amar Kiran)



Internal Member
(Mrs B Kavya Santhoshi)



Internal Member
(Mr V Suresh)



Chairman-BOS
(Dr.D.Ravi Kishore)

w.e.f. Academic Year : 2020-2021

M. Tech. (PSHVE) III Semester										
S. No.	Course Code	Course	Category	Periods per week			C	Scheme of Examination Maximum Marks		
				L	T	P		Int	Ext	Total
		(PROGRAM ELECTIVE V)								
	20221361A	Energy Audit Conservation & Management	PE	3	0	0	3	30	70	100
	20221361B	Power Quality								
	20221361C	Power System Transients								
2		(OPEN ELECTIVE)	OE	3	0	0	3	30	70	100
3	20221341	Dissertation – I / Industrial Project	PJ	-	-	20	10	-	-	-
		(to be continued and evaluated next semester)								
		TOTAL		6	0	20	16	60	140	200



 University Nominee
 (Dr.Y.Srinivasa Kishore Babu)



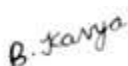
 Subject Expert
 (Dr.N.Viswanathan)



 Subject Expert
 (Dr.B.Ravi Kumar)



 Internal Member
 (Mr.T.Amar Kiran)



 Internal Member
 (Mrs B Kavya Santhoshi)



 Internal Member
 (Mr V Suresh)



 Chairman-BOS
 (Dr.D.Ravi Kishore)

DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING
2 Years M.Tech. (Power Systems (High Voltage Engineering)) Course
Structure : (2020-21)

II YEAR II SEMESTER

M. Tech. (PSHVE) IV SEMESTER										
S. No.	Course Code	Course	Category	Periods per week			C	Scheme of Examination Maximum Marks		
				L	T	P		Int	Ext	Total
1	20221441	Dissertation Phase-II	PJ	-	-	32	16	-	-	-
		Total		-	-	32	16	-	-	-



University Nominee
(Dr.Y.Srinivasa Kishore Babu)



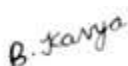
Subject Expert
(Dr.N.Viswanathan)



Subject Expert
(Dr.B.Ravi Kumar)



Internal Member
(Mr.T.Amar Kiran)



Internal Member
(Mrs B Kavya Santhoshi)



Internal Member
(Mr V Suresh)



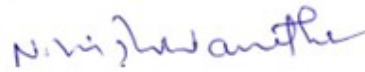
Chairman-BOS
(Dr.D.Ravi Kishore)

Open elective courses offered by other departments in the college

S. No.	Course Code	Courses
1	20221362a	Operations Research
2	20221362b	Micro Electro Mechanical Systems
3	20221362c	Composite Materials, Cost Management of Engineering Projects
4	20221362d	Machine Learning
5	20221362e	Cyber Security
6	20221362f	Internet of Things and Applications
7	20221362g	Real time operating systems



University Nominee
(Dr.Y.Srinivasa Kishore Babu)



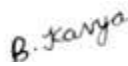
Subject Expert
(Dr.N.Viswanathan)



Subject Expert
(Dr.B.Ravi Kumar)



Internal Member
(Mr.T.Amar Kiran)



Internal Member
(Mrs B Kavya Santhoshi)



Internal Member
(Mr V Suresh)



Chairman-BOS
(Dr.D.Ravi Kishore)