



PRAGATI ENGINEERING COLLEGE (Autonomous)

1-378, ADB Road, Surampalem, E.G.District, A.P. - 533 437
(Approved by AICTE & Permanently Affiliated to JNTUK, Kakinada & Accredited by NAAC with 'A' Grade)
(Recognised by UGC Under Sections 2 (f) and 12 (b) of UGC act, 1956)
Ph : 08852 - 252233, 252234, 252235, Fax : 252232, Website : www.pragati.ac.in
(Sponsored by Gayatri Educational Society)

D.No. 2-24-4/2, Ground Floor, Janmabhoomi Park Road, Srinagar, Kakinada - 3, Ph : 0884 - 2355900, Fax : 2363900

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Faculty Prepared Training Materials for GATE/Placement

S.no	Name of the faculty	Training Material	Availability
1	P.Vijaya Prasuna	Network Theory -I	Pragati E-learning Portal https://pragatiengg.org/
2	S.Varalakshmi	Network Theory-II	
3	Sheik Mahaboob Shariff	Electrical Machines-I	
4	M.Mani shankar	Electrical Machines-II	
5	K.Siva sankar	Control Systems	
6	D.Krishna Chaitanya	Power Systems-II	
7	G.Bhavanarayana	Power Electronics	
8	D.Krishna Chaitanya	Power System Analysis	
9	G.Bhavanarayana	Power Electronic Controllers and Drives	



PRAGATI ENGINEERING COLLEGE (Autonomous)

1-378, ADB Road, Surampalem, E.G.District, A.P. - 533 437
(Approved by AICTE & Permanently Affiliated to JNTUK, Kakinada & Accredited by NAAC with 'A' Grade)
(Recognised by UGC Under Sections 2 (f) and 12 (b) of UGC act, 1956)
Ph : 08852 - 252233, 252234, 252235, Fax : 252232, Website : www.pragati.ac.in
(Sponsored by Gayatri Educational Society)

D.No. 2-24-4/2, Ground Floor, Janmabhoomi Park Road, Srinagar, Kakinada - 3, Ph : 0884 - 2355900, Fax : 2363900

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Faculty Prepared PPTS

S.no	Name of the faculty	Year & Semester	Instructional Material	Topic
1	Mrs.M.Manga Lakshmi	II -I	Network Theory-II	analysis of balanced three phase circuits
2	Mr.K.Siva Sankar	II -I	Electrical Machines - I	Tests on single phase transformers
3	Mr. I.Srinu	II -I	ElectroMagnetic Fields	gauss's law in terms of (integral form and point form)
4	Mrs.K.Sandhya Rani	II -I	Basic Electronic and Devices	Operation and characteristics of p-n junction diode
5	Mr. M. Mani Shankar	II -II	Electrical Machines-II	torque slip characteristic of induction motor
6	Mrs.Ch.Manga Lakshmi	II -II	Control Systems	Open Loop and closed loop control systems
7	Mr.S.Ashok Reddy	II -II	Power Systems-I	Hydro Power Plant: Selection of site, Layout and working
8	Mr.M.V.Chandra Kumar	II -II	Switching Theory and Logic Design	Boolean theorems, principle of complementation & duality
9	Mrs.K.Sandhya Rani	II -II	Pulse and Digital Circuits	Diode clippers, Transistor clipper,
10	Mr.G.Bhavanarayana	III-I	Power Electronics	1-phase half controlled rectifiers – R load and RL load with and without freewheeling diode
11	Mr.B.Rajesh	III-I	Electrical Measurements	Principle and operation of D.C. Crompton's potentiometer
12	Dr. G. Naresh	III-I	Power Systems- II	Transmission Lines – Short, medium, long line and their model representation
13	Mr. M.N.V.V Brahmam	III-I	Signals & Systems	Fourier transforms involving impulse function and Signum function
14	Mr.D.Krishna Chaitanya	III-II	Power System Analysis	Formation of Y-bus matrix by singular transformation
15	Mr.G.Bhavanarayana	III-II	Power Electronic Controllers and Drives	Control of Induction Motor by AC Voltage Controllers
16	Mr. M.N.V.V Brahmam	III-II	Linear IC Applications	Design &Analysis of Butterworth active filters
17	P.Krishna Chaitanya	III-II	Neural Networks and Fuzzy Logic	Artificial Neuron Model,
18	Mr.B.Rajesh	III-II	Energy Audit, Conservation & Management	Types of audit –Energy index – Cost index
19	Mr. I. Murali Krishna	IV-I	Power System Operation & Control	Optimal scheduling of Hydrothermal System
20	Mr.M.Satya Harish	IV-I	Power System Protection	Balanced beam type attracted armature relay
21	Mr. I.Srinu	IV-I	Utilization of Electric Energy	Terms used in illumination,Laws of



PRAGATI ENGINEERING COLLEGE (Autonomous)

1-378, ADB Road, Surampalem, E.G.District, A.P. - 533 437
 (Approved by AICTE & Permanently Affiliated to JNTUK, Kakinada & Accredited by NAAC with 'A' Grade)
 (Recognised by UGC Under Sections 2 (f) and 12 (b) of UGC act, 1956)
 Ph : 08852 - 252233, 252234, 252235, Fax : 252232, Website : www.pragati.ac.in
 (Sponsored by Gayatri Educational Society)

D.No. 2-24-4/2, Ground Floor, Janmabhoomi Park Road, Srinagar, Kakinada - 3, Ph : 0884 - 2355900, Fax : 2363900

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

				illumination, Polar curves instruments for measuring solar radiation and sun shine.
22	Mr.P.Krishna Chaitanya	IV-I	Renewable Energy Sources & Systems	
23	Mrs.P.Vijaya Prasuna	IV-I	Advanced Control Systems	Solution of state equation - State transition matri
24	Mr.M.Sundar Teja	IV-I	Industrial Automation & Control	Timer instructions and Counter instructions
25	Mr. M. Mani Shankar	IV-I	Special Machines	Hybrid and Variable Reluctance Motor
26	M v Chandra Kumar	IV-I	Electric Power Quality	Voltage fluctuation - Power frequency variations.
27	Mr. I. Murali Krishna	IV-II	Digital Control Systems	Mapping between the S- Plane and the Z-Plane
28	Mrs.G.Durga Devi	IV-II	HVDC Transmission	HVDC Links
29	Mrs.P.Vijaya Prasuna	IV-II	Electrical Distribution Systems	Benefits and methods of optimal location of substations
30	Mr.M.Satya Harish	IV-II	High Voltage Engineering	Uniform and non-uniform field configuration of electrodes
31	Dr.R.SathishKumar	IV-II	Flexible Alternating Current Transmission Systems	Single phase bridge converter
32.	Mrs.K.Sandhya Rani	III-I	Signals & Systems	Laplace transform
33.	Mr.K.Sree Harsha	IV-I	Instrumentation	CRO
34.	R.S.Sudhkar	II-I	Electro magnetic field Theory	Gauss law
35.	S.VaraLakshmi	II-I	Electrical Machines-I	Armature and commutation
36.	B.Rathan Kumar	II-I	Electrical Circuit Analysis -II	
37.	M.S.Harish	IV-I	Electric Power Quality	Harmonics and transients in power quality
38	K.V.Durga Prasad	IV-I	Power System Protection	Static and digital relays