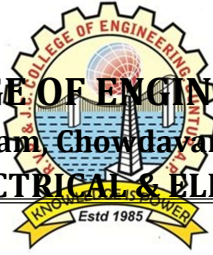


**R.V.R. & J. C. COLLEGE OF ENGINEERING (Autonomous)**  
**Chandramoulipuram, Chowdayaram, Guntur – 522019**  
**DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING**



18-04-2019

Following are the contents added/ modified in R17 curriculum revised in 2017.

Subject code in R17	Subject title	% of syllabus changed	Topics added
PS 513	Advanced Power System Protection	40	Static differential relays in unit 3. Unit 4 equipment protection. Basic principle of digital computer relaying in Unit 5.
PS 551	Power Systems Lab	25	5 new experiments are added in list of experiments
PS 521	Flexible AC Transmission Systems	10	Unit 3: variable impedance type series compensators, switching converter type series compensators ;
PS 611	MOOCS (Self Learning)	100	New Subject
PS 571	Optimization Techniques	100	New subject
PS 572	Power System Planning & Reliability	30	Unit 1 , IN Unit 2 : Deregulation of power systems, power system planning under uncertainty, risk based power system planning
PS 574	Power Electronic Converters	20	Unit 5 Multi level inverters
PS 575	Computer Networks	100	entire syllabus is revised
PS 576	High Voltage Engineering & Insulation	10	Liquid as Insulator, pure and commercial liquids, breakdown in pure and commercial liquids. Intrinsic breakdown, electromechanical breakdown, thermal breakdown, breakdown of solid dielectrics in practice, Breakdown in composite dielectrics, solid dielectrics used in practice.
PS 578	HVDC Transmission Systems	60	All the units are revised and many topics are added
PS 579	Power Quality analysis & Improvement		Complete Syllabus is revised
PS 581	Distribution Systems Planning & Automation	20	Distribution Automation topic is added
PS 584	Power System Deregulation		Complete Syllabus is revised
PS 585	Energy Conservation & Audit		Complete Syllabus is revised

Subject code in R17	Subject title	% of syllabus changed	Topics added
PS 586	Renewable energy driven power systems		New subject
PS 587	Gas Insulated Systems (GIS)		New subject
PS 588	Distributed Generation & Microgrid		New subject
PS 589	Advanced Digital signal Processing		New subject
PS 590	Electrical Transients in Power systems		New subject
	<b>Average % of Syllabus content added or replaced</b>	25.75%	Total number of subjects including labs: 20



Dr. K. Chandra Sekhar  
 Head, Department of Electrical & Electronics Engg.  
 CHAIRMAN – BOS in EEE

**Dr. K. CHANDRA SEKHAR**  
 Professor & HOD, EEE Dept.  
 R.V.R & J.C. College of Engg.  
 Chowdavaram, GUNTUR-522 019.