



ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES, TIRUPATI
(AUTONOMOUS)
Department of EEE

Category-II-Extent of 5% Change in Content

S.No	YEAR & SEM	Subject Code	Subject Title	Syllabus Content Removed/Addition	Syllabus Content Introduced
1	I-II	23ABS9903	Engineering Physics	-	Unit - III: Applications of dielectric materials Applications of magnetic materials Unit - IV: Nanomaterials
2	I-II	23ABS9908	Engineering Physics Lab	-	Experiment included: Determination of the crystallite size using X-Ray Diffraction spectra
3	II-I	23APC0207	DC MACHINES & TRANSFORMERS	Addition	Unit-I: 1) Electromechanical Energy Conversion 2) Series and Parallel Magnetic Circuits Unit-II: Separation of iron and friction all losses
4	II-II	23AIIMMB01	Managerial Economics and Financial Analysis	Addition	Unit-II: MRTS, Cobb-Douglas production function, law of returns, Economics of scale Unit-IV: Profitability Index
5	II-II	23APC0210	Power Systems-I	Addition	Unit-I: Principle of operation of Gas power station. Unit-V: causes of low power factor and methods of improving power factor.
6	II-II	23APC0211	INDUCTION AND SYNCHRONOUS MACHINES	Addition	Unit-III: 1) Universal Motor 2) Single Phase Synchronous Motor 3) Reluctance Motor 4) Hysteresis Motor 5) Stepper Motor
7	II-II	23APC0214	Control Systems Lab	Addition	Exp. No. - 5: Plot the response of a unity feedback system for different values of damping ratio and also plot its rise time, settling time, % maximum overshoot when the inputs applied to the system are the unit step and unit impulse Exp. No. - 12: Study the system response of a permanent magnet D.C motor


HEAD

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