

LAKIREDDY BALI REDDY COLLEGE OF ENGINEERING (AUTONOMOUS)

Department of Science & Humanities

Date: 04-07-2014


Board of Studies for the Academic year 2014-15 was conducted on 4th July 2014. The meeting was chaired by HOD. S&H, while all the members of faculty of Physics participated along with subject experts in Professor cadre from reputed Institutions/ Universities. After clearly discussing each and every unit in each paper of Physics (Theory and Practical), the board has finalized the syllabi for new regulation (R 14) with few suggestions. The finalized papers are enclosed here with attested by the experts.

Names of Experts:

1) Prof. S. V. S. Ramana Reddy,
Dept. of Physics,
National Institute of Technology,
Warangal – 506 004.

2) Dr. G. Padmaja Rani,
Professor,
Department of Physics,
JNTUK College of Engineering,
KAKINADA - 533 003.

Signature: 

Signature:  4/7/14

List of Faculty Attended:

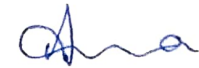
1. Dr. T. Vasanta Rao

Professor



2. Mrs. N. Aruna 

Asst. Professor



3. Mr. P. Sobanachalam

Asst. Professor



Suggestions:

Engineering Physics

Unit-I

Introduce Interference topic

- 1) Superimposition principle
- 2) coherent sources
- 3) thin films
- 4) Newton's rings.

X Diffraction: you can delete: Dispersive & resolving power

X Polarisation: optical Activity (delete)
Production & analysis of polarised light.

Unit-II

Include G.P. Thomson Experiment.

Unit-III: Add → ^{3 or 4 levels} Pumping Schemes & Block diagram

Laser: → X Delete → Semiconductor Laser.

Optical fiber: - Delete → Fiber optic communication system

Unit IV :- magnetic properties.

Delete - Structure of Ferrites.

Unit-V: Replace it with Superconductivity

→ X ←

Engineering Physics Lab:

Keep 12 & perform

(12) → delete dielectric const expt
include Compound pendulum.

(11) - replace it with Determination of slit width using diffraction

(14) - Stewart - Gies Apparatus.

(13) - → To measure field strength using the

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