

# LAKIREDDY BALI REDDY COLLEGE OF ENGINEERING

L.B.REDDY NAGAR, MYLAVARAM – 521 230, KRISHNA DIST., A.P.

## DEPARTMENT OF MECHANICAL ENGINEERING

Dt:04-09-2010.

The First BOS meeting is scheduled on 04-09-2010. The following members attended the BOS meeting.

  
Head of the Department

1.Prof. K. Appa Rao                      Chairman

### External Members.

1.Prof.P.Bhupal Reddy  
Principal, SSIT, Nuzivid.                      Member (Academic)

2.Prof.S.Elangovan  
Professor MIT, Chennai.                      Member(Academic)

3.Sri P.Prabhakar  
Sr.Manager(Works)  
APHMEL, Kondapalli                      Member(Industry)

### Internal Members:

1.Prof.K.Ramajogi                      Member

2.Prof.K.Srinivasa Reddy                      Member

3.Dr.P.Lovaraju                      Member

- ① "Elements of Mechanical Engineering" course must be introduced in the 1st year
- ② Engineering physics - II can be removed (PSE/PSE) can be covered
- ③ Contents repetition should not be there.
- ④ physics & chemistry lab should be followed by the corresponding theory (physics & chemistry) in the same semester
- ⑤ EG-I projects & skills
- ⑥ EG-II → Computer Aided Drawing → Lab 5+3 in II sem.
- ⑦ EG-I → ~~not~~ conventional approach → Engineering Graphics I sem  
sample model.
- ⑧ EM → Beer & Johnston → Text Book. Vol-I → EM-I }  
Vol-II → EM-II }
- ⑨ EG → N.D Bhat, K. Narayana, Kamath → Text Book
- ⑩ workshop practice  
→ Carpenter, fitter, ~~blacksmith~~ <sup>Blacksmith</sup>, plumbing & Home wiring

### Engineering Mechanics for EIE & EEE

- ① EM → Bhowmik → Text Book
- ② Computer Aided Drawing instead of ED with AutoCAD.
- ③ plumb in Exercise.

4  
2<sup>nd</sup> semester

- 1) Basic Electrical Engineering only 2/1
- 2) Mathematical course  $\rightarrow$  M1, M2, M3. only
- 3) Introduction to Electronics  $\rightarrow$  2/2
- 4) Machine Drawing  $\rightarrow$  with CAD  $\rightarrow$  Lab. course (Modelling Lab)
- 5) Change the ~~max~~ Lab name AutoCAD & Lab View.
- 6) Electrical Engineering Lab only 2/1
- 7) Metallurgy & Material Science 2/1
- 8) ~~SM~~ SM  $\rightarrow$  Mechanism of materials.
- 9) ~~II/II~~  $\rightarrow$  S+B.
- 10) ~~IC&GT~~ IC&GT  $\rightarrow$  ~~Study of~~ Introduction to IC Engine.

3<sup>rd</sup> semester

- Dom I  $\rightarrow$  Machine Design I  
Dom II  $\rightarrow$  Machine Design II  
Machine Tools Lab 3/1  
Design Dom Lab  
Control Systems or Core Subjects ~~3/2~~

\* Metallurgy & MM  $\rightarrow$  point of discussion

\* CAD/CAM  $\rightarrow$  point of discussion

\* Mechanical Vibration  $\rightarrow$  Core course prior to Control Engineering

No. of theory coun

N<sub>1</sub> 5 & 4

- ~~no coun~~ ~~practice~~ & ~~mech~~ / 4 =

note: Spl. Subject on "Quality Control"  $\rightarrow$  Core.

1st Semester:

① Advance thermodynamics:

Gas power cycles → remove  
unit of  $\phi$  unit → combine  
stat statistical TD → Add. *Review*

② Applied Mathematics → Reduce the content.  
↳ Advanced mathematics

③ Heat & Mass Transfer  
unit IV & V → combine advance H & M.T.  
Mass Transfer → a separate unit  
Add J.P. Holman: another textbook.

④ I.C Engine combustion and pollution → *Renamed* stationary combustion engine  
I.C Engine combustion & Air pollution

⑤ Turbomachines → modify the content.

⑥ FEM → J.N. Reddy on 1st Book.

⑦ mention All the contents that are going to be covered → Detailed syllabus.

⑧ mention details of all the books, including publications.

⑨ Add boundary layer theory → remove environmental engg pollution control

⑩ 3rd semester, after 100% electrical *Course* & project phase I.

⑪ Give weightage to project reviews.

⑫ Thermal Engineering Lab:

\* I.C Engine, Heat transfer, ~~Refrigeration~~ Jet lab,  
Solar Energy, R&AC

⑬ Change computational methods lab to Thermal Engg Lab II.

⑭ 1st Sem TE I Lab & 2nd Sem TE II Lab,

⑮ CFD as a core in 3rd semester.

⑯ CFD → Nuclear Engineering

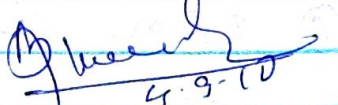

⑰ Combustion as elector in 3rd semester  
Automobile Engineering  
Management Course  
mathematics

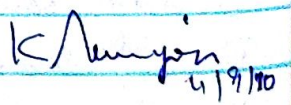
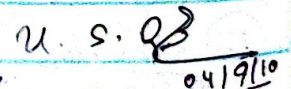
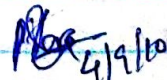
## SUMMARY of the meeting

1. The scheme of Teaching and Syllabus for I B-Ten I & II K. Semster is reviewed thoroughly and finalised for implementation with small modification.
2. The scheme of Teaching for II, III & IV B-Ten classes is discussed and prepared Tentatively. However the final shape shall be seen in the next meeting after further deliberation with some more experts from Academics and Industry. Before that the chairman is requested to work out
  - (a) no. of subjects for entire course
  - (b) no. of subjects for 2 & 3rd year
  - (c) no. of subjects available in department.

## Board of Studies Committee

Chairman: Prof. K. Apparao  4/9/10

External members: Prof. P. Bhopar Reddy  4.9.10  
 Prof. S. Sanganani  04.9.10

Internal members: Prof. K. Ramajogi  4/9/10  
 Prof. K. Srinivasa Reddy  04/9/10  
 Dr. P. Lovaraju  4/9/10