

# LAKIREDDY BALI REDDY COLLEGE OF ENGINEERING

L.B.REDDY NAGAR, MYLAVARAM - 521 230, KRISHNA DIST., A.P. (Autonomy)

## DEPARTMENT OF MECHANICAL ENGINEERING

Dt:04-06-2011.

The Second BOS meeting is scheduled on 04-06-2011. The following members attended the BOS meeting.

  
Head of the Department

1. Dr. P. Lovaraju

**HEAD**  
Dept. of Mechanical Engineering  
LAKIREDDY BALI REDDY COLLEGE OF ENGG.  
Chairman MYLAVARAM - 521 230, Krishna Dt, A.P.

### External Members.

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

Member (Academic)



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

Member (Academic)



3. Dr. K. Sivaprasad  
(Walchand Industries, Pune)

Member (Industry)



### Internal Members:


1. Dr. K. Ramesh

Member



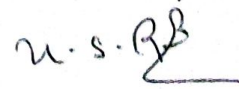
2. Prof. K. Ramajogi

Member



3. Prof. K. Srinivasa Reddy

Member



Meeting started at 10:30 AM:

Dr. P. Lovaraju, Chairman, Addressed BOS members and following

Points were discussed

- ① SOM & EM II in single sem may become overload to students. They both can be kept in two sem.
- ② ATD, IC engine, Gas dynamics, — the sequence need to be <sup>reviewed</sup> ~~revised~~.
- ③ ATD & IC engine may be ~~desi~~ interchangeable.
- ④ Machine design laboratory may be renamed as Mechanics of Machine Lab.
- ⑤ "Mechanics of Materials by L.S. Srinadh" — is the preferable text book for Strength of Materials.
- ⑥ The number of experiments may be such that they can be complete in only 10 weeks.
- ⑦ In "Fluid power engineering" course, Third Reference may be kept under Text book.
- ⑧ Members expressed their satisfaction syllabuswise.
- ⑨ EM-II and SOM may not be parallel because EM-II is the prerequisite for SOM.
- ⑩ P.T of II-II and MMS of II-I may be interchanged.
- ⑪ "O.R by Panner Selvam" is better book. PERT and CPM may fit into OR.
- ⑫ Members debate whether theory and lab need to be parallel or sequential.
- ⑬ In "Introduction to Aerospace" course — Take of an Aircraft performance come under III units — Stability and Control topic may be added. Terminology need to be reviewed.
- ⑭ Out of 8 Sem, two sem need to be very tough to the students.
- ⑮ Members appreciated the idea EM III is split in detail of two courses.

- ⑫ 'Introduction to Aerospace' - Syllabus in detail required
- ⑬ In II-III - S.O.M may be replaced with Machine Drawing
- 18 P.T and P.T lab should be together  
EEE and EEE lab can be sequential
- ⑭ - Power plant Engineering can be kept as core subject  
- Automobile engineering can be made as elective as part of it can be covered in I.C engines  
- Replace Automobile Engg. with PPE and Automobile may be kept as elective
- 20 In "RAC" - Reorganization need in order VCR &
- 21 Control system must be included at appropriate place followed by vibrations
- 22 DBMS can be removed and "Introduction to Control System" may be included.
- 23 "Heat transfer - Dorman Kundwar" is the preferable book
- 24 The demands of industry, employability must be considered in the curriculum
- 25 Instead of 'OOPS' Optimization techniques may be incorporated
- 26 Discussed whether "Experimental Stress analysis" can be considered. ('Experimental stress analysis by Dally & Rahi')
- 27 "Jet propulsion" course may be removed.
- 28 Syllabus for Automation can be considered for revision.
29. pre-requisite for Cognitive engg. is Control System and Instrumentation<sup>and MBMS</sup> So need to be reorganised the sequence.
30. Title of CFD can be changed as "Introduction to CFD".
- 31 "FEM by N.S. Srinadh" is an excellent book.
- 32 In "KOM" course vector approach method topic need to be included.

- (32) ~~Part I~~: In FEM - ~~any~~ CAE topic may be included.
- (33) In M.D - ~~include~~ Shigley must be text book. and  
Sensou Baxlori text book.  
"Machine Design by Edward Shigley"
- (34) Terminology in Machine Design need to be reviewed.  
Terms like Design against ... are not proper. They are to be  
Design for strength: Topic of "SN curve is to be included"
- (35) - For "MD-II"; also adopt Shigley book.  
- In MD, Introduction to Indian standards must be there
- (36) In the title of course itself mention the data book also.  
For Design, PSIR data book need to be use.
- (37) Unconventional Machine process - V.K. Jain as text book.
- (38) In Mechanical vibration, "vibration in continuous media" topic  
to be included & stress.
- (39) T.O.M - Control charts concept are missing, Six Sigma  
concept, Sampling - "Quality Management by Balhjee - IIT Kanpur"
- (40) CAD/CAM - The geometric modeling topic need to be revised
- (41) The Committee discussed the proposed course structure for "Aerospace Engg." & approved.  
Board of Studies Committee

① Chairman: Dr. P. Lovaraju - HOD

② External members: Prof. P. Bhoopal Reddy  
Prof. S. Elangovan  
Dr. Siva Prasad.

③ Internal Members: Prof. Ramaraju  
Prof. K. Srinivasa Reddy  
Dr. K. Ramesh.

Summary of the meeting

- \* The curriculum has been modified as per the suggestions of the members.
- \* The syllabus of certain courses also required modification.
- \* The suggested modifications may be incorporated before finalising the curriculum and syllabus.
- \* The vision, mission, PEOs & POs of the programme (UG) are discussed at length in the meeting and are approved Board & student members

Chairman : Dr. P. Lovaraj

*[Signature]*  
4/6/11

Ext. members Prof. Bhoopal Reddy  
Prof. S. Elangovan  
Dr. Sivaprasad

*[Signature]*  
S. S. V. 4.6.11  
04.6.11  
K. S. Prasad

Internal members

Prof. Ramojogi

K. Narani

Prof. K. Srinivasa Reddy

V. S. R.

Dr. K. Ramesh

K. Ramesh