

**K L UNIVERSITY**  
**DEPARTMENT OF MECHANICAL ENGINEERING**  
**MINUTES OF BOARD OF STUDIES MEETING**

The department Board of Studies meeting was held on 10/06/2017 at 11:00 A.M. in the HoD Chamber.

**Agenda of the Meeting:**

1. To Consider the proposed 2017-18 admitted batch B. Tech Curriculum and make recommendations to the Academic Council KLU for approval of the same,
2. To consider changes made in 2016, 2015 admitted batch B. Tech curriculum and recommend the same for approval to the Academic Council KLU.
3. Any other points with permission of the Chair.

The following members were present:

- |                              |                          |
|------------------------------|--------------------------|
| 1. Dr. S. S. Rao             |                          |
| 2. Dr. K. V. Ramana          |                          |
| 3. Dr. K. Jayanendra Babu    |                          |
| 4. Dr. A. Jagadeesh          |                          |
| 5. Dr. K. Rama Krishna       |                          |
| 6. Dr. K. L. Narayana        |                          |
| 7. Dr. Y. V. Hanumantha Rao  |                          |
| 8. Dr. N. B. V. Prasaad      |                          |
| 9. Dr. G. Diwakar            |                          |
| 10. Dr. K. V. Narasimha Rao  |                          |
| 11. Dr. B. V. Dharmendra     |                          |
| 12. Dr. G. Yedukondalu       |                          |
| 13. Mr. V. Shanmukha Prasad  |                          |
| 14. Mr. D. V. A. Rama Sastry |                          |
| 15. Dr. T. Babu Rao          |                          |
| 16. Mr. K. Shyam Prasad      |                          |
|                              | 17. Mr. P. Ratna Prasad  |
|                              | 18. Mr. Ch. Siva Krishna |
|                              | 19. Mr. J. Naveen        |
|                              | 20. G. Sai Kumar         |
|                              | 21. A. Yugendhar         |
|                              | 22. K. Pavan Sai         |
|                              | 23. T. Yeswanth Sai      |
|                              | 24. N. Siva Kumar        |
|                              | 25. E.L.N.R Madhukar     |
|                              | 26. S. Naga Lalitha Devi |
|                              | 27. G. Vivek             |
|                              | 28. A. Mani Krishna      |
|                              | 29. G. Raj Kumar         |
|                              | 30. Mr. K. Taraka Sriram |

The following External member gave his valuable suggestion.

Dr. R. Vijaya Kumar, Manager, R & D Division, HAL, Bangalore.

The following resolutions were made:

1. Dr. A. Srinath, Chairman of BoS opened the meeting by going through the information that two additional mathematics courses (i.e. Foundation of Computational Mathematics and Logic & Reasoning) will be added to the curriculum proposed during the earlier DAC meeting.
2. It is resolved to recommend that the credits for the Foundation of Computational Mathematics and Logic & Reasoning be reduced to 2 credits with an L-T-P structure of 2-0-0.
3. BoS members suggested adding Range-Kutta Method and Curve Fitting topics in Probability and Numerical Methods Course.
4. Syllabi of other Mathematics courses are approved and recommended.
5. Syllabus of Chemistry is approved with an L-T-P structure of 3-0-2.
6. After verifying various proposals, Introduction to Mechanical Engineering course content is finalized with emphasis on design process, approved and recommended by the members of BoS.
7. Syllabus of Engineering Mechanics course is approved with an L-T-P structure of 3-2-0.
8. Syllabus of Engineering Graphics course is approved with an L-T-P structure of 1-0-4.
9. Syllabus of Workshop Practice is approved with an L-T-P structure of 0-0-2.
10. 2017-18 Course structure and detailed syllabus for B.Tech. Mechanical Engineering is approved with following salient features
  - a. 4 HSS Courses
  - b. 3 Professional Electives
  - c. 2 Open Electives
  - d. 4 Project Modules starting from 5<sup>th</sup> Semester.
  - e. Every B.Tech. Mechanical Engineering student must successfully complete at least 3 Certificate courses, which are over and above the curriculum structure, and are offered by NSDC-Established Centers of Excellence at KLU (or) through Industry run Certificate courses.
  - f. All the core Engineering courses are dealt as part of their lab modules using one of the Core software tool, results from which will be correlated and analyzed using the physical laboratory experimentation process, at least in two lab experiments.
  - g. All project modules will essentially include Coding using C/C++ to solve the basic problem or use one of the core software tool to analyze the results.
  - h. Practice school industry will have to be mandatorily chosen by students in the same functional area as that of their project work during 5<sup>th</sup> to 7<sup>th</sup> / 8<sup>th</sup> semesters
11. In Aerospace specialization courses for 2013-14 Curriculum,
  - a. Fundamentals of Aerospace Engineering course is introduced in place of Rotor Dynamics (13 ME 347).

- b. Syllabus of Aero Structures (13 ME 348) has been revised.
- c. A course on Propulsion Engineering is changed as Gas Dynamics and Propulsion Engineering.

12. It is resolved to modify the LTP structure for the following courses of Y15 regulations.

Course code	Course Name	Existing LTP	Modified LTP
15 ME 3112	Design of Machine Elements	2-2-2	3-0-2
15 ME3114	Turbo Machines	2-2-2	3-0-2
15 ME 3113	Advanced Manufacturing Technology	2-2-2	3-0-2
15 ME 3111	Finite Element Method	2-2-2	3-0-2
15 ME 3115	Feedback & Control Systems	2-2-2	3-0-2
15 ME 3218	Heat Transfer	2-2-2	3-0-3
15 ME 3216	Design of Transmission Elements	2-2-2	3-2-0
15 ME 3217	Production and Operations Management	2-2-2	3-2-0

(Dr. A. Srinath)

Chairman – BoS

Dept. of ME

**Dr. A. SRINATH**  
**PROFESSOR & HEAD**  
 Department of Mechanical Engineering  
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