ME

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. It is recommended to revisit the entire syllabi of the courses Engineering Materials and Metallurgy by bringing entire materials content into Engineering Materials course and material behavior and metallurgy content into Metallurgy course.

6. Syllabus of Chemistry is approved with an L-T-P structure of 3-0-2.

7. 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.

8. Syllabus of Engineering Mechanics course is approved with an L-T-P structure of 3-2-0.

9. Syllabus of Engineering Graphics course is approved with an L-T-P structure of 1-0-4.

10. Syllabus of Workshop Practice is approved with an L-T-P structure of 0-0-2.

11. 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 5th 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 5th to 7th / 8th semesters

12. In Aerospace specialization courses for 2013-14 Curriculum,

a. Fundamentals of Aerospace Engineering 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.

13. The proposed and approved 2017 – 18 curriculum is also applicable for 2016-17 B.Tech. ME admitted batch from 3rd semester onwards.