

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

The Board of Studies meeting was conducted in **HOD Chamber** on **20<sup>th</sup> June 2013** at **12.00 Noon**.

**Agenda:**

- To consider B.Tech course structure and syllabus for 2013-2014 admitting batch.
- To consider M.Tech (Thermal Engineering) course structure and syllabus for 2013-2014 admitting batch.
- To consider M.Tech (Mechatronics) course structure and syllabus for 2013-2014 admitting batch.
- To consider Pre-PhD courses for 2013-14 admitting batch.

The following members were present:

- |                             |                           |
|-----------------------------|---------------------------|
| 1. Dr. Y. V. Hanumantha Rao |                           |
| 2. Dr. K. Rama Krishna      | 8. Prof. G. Satyanarayana |
| 3. Dr. K. L. Narayana       | 9. Dr. S. S. Rao          |
| 4. Dr. A. Srinath           | 10. Dr. P. V. Chalapathi  |
| 5. Dr. K. Rama Kotaiah      | 11. Mr. T. Vijaya Kumar   |
| 6. Dr. B. Raghu Kumar       | 12. Mr. G. L. Narayana    |
| 7. Dr. B. Nageswara Rao     | 13. Mr. K. Babu Raja      |

The following External members gave their valuable suggestions through mails:

1. Dr. C. S. Kumar, IIT Kharagpur
2. Dr. A. Seshadri Sekhar IIT Madras
3. Mr. K. Suryanarayana, CEO, TCS-Hyderabad

The following points were discussed

1. Dr. Y. V. Hanumantha Rao, Chairman of BoS opened the meeting by going through the suggestions given by Dr. A. Seshadri Sekhar, Professor, Dept. of Mechanical Engg, IIT Madras.
2. It is decided to replace the "Precision Engineering" subject by "Metrology and Instrumentation" subject as per the suggestion by Dr. A. Seshadri Sekhar.
3. Dr. A. Seshadri Sekhar also suggested offering "Principles of Product Design" instead of "Human Factors in Engineering Design".
4. BoS members also decided that all the core courses with analytical nature be dealt using a tutorial component.
5. Part of the two hour slots allotted for the project based labs to be utilized for tutorial purpose where ever applicable for all the 15 core courses.
6. BoS members suggested using data tables wherever applicable instead of using and allowing data books in the examinations.

7. Dr. Y. V. Hanumantha Rao requested Dr. B. Raghu Kumar to look into the changes suggested by Dr. A. Seshadri Sekhar in subjects related to Design Research Group in the absence of Mr. D. V. A. Rama Sastry and resubmit them by Saturday 22<sup>nd</sup> June 2013.
8. Dr. Y. V. Hanumantha Rao requested Dr. K. Rama Kotaiah to look into the changes suggested by Dr. A. Seshadri Sekhar in subjects related to Production Research Group and resubmit them by Saturday 22<sup>nd</sup> June 2013.
9. Dr. Y. V. Hanumantha Rao requested Mr. G. L. Narayana to look into the changes suggested by in subjects related to Thermal Research Group and resubmit them by Saturday 22<sup>nd</sup> June 2013.
10. Dr. A. Srinath announced to the BoS members that the subject 13 ME-321 will be referred as "Robotics" for Mechanical Engineering Department core subject and "Robotics Sensing and Control" for Open Elective and suggested changes will be incorporated.
11. Dr. A. Srinath announced to the BoS members that the subject 13 ME-324 will be referred as "Mechatronics" for Mechanical Engineering Department core subject and "Mechatronics Systems Approach" for Open Elective and suggested Changes will be incorporated.
12. Dr. Y. V. Hanumantha Rao announced that the department will form a project review committee headed by a professor of the department to look into B.Tech. and M.Tech student final projects.
13. Course codes will be reconsidered by Dean Academics and Dean Academics will be requested to look into changing of the codes and reassigning them as deemed suitable.
14. Dr. K. Rama Krishna suggested reframing of competencies subjects to the tune with higher order competencies wherever applicable.
15. Dr. K. Rama Krishna suggested that pre-requisites be carefully incorporated.
16. It is resolved that all the labs will be dealt with project based lab structure.
17. Dr. Y. V. Hanumantha announced to the BoS members that M.Tech. (Engineering Design) will not be offered based on the feedback received while M.Tech. (Thermal Engineering) will be offered.
18. M.Tech. (Mechatronics) will also be offered in place of M.Tech. (CAD/CAM).
19. Dr. A. Srinath announced that Robotics and Mechatronics Research group has preliminary discussion with ABB (Pune), Honeywell Automation (Pune), ARAI (Pune), Hyundai Motors R&D (Hyderabad), Infotech (Hyderabad), Siemens India Pvt. Ltd. (Hyderabad), FMCA Technologies (Hyderabad) and Honeywell (Hyderabad) to acquire MoU's for M.Tech. (Mechatronics) program.
20. Dr. A. Srinath also announced that FMCA Technologies, Siemens India Pvt. Ltd., Hyundai Motors R&D already sent a draft of MoU and the MoU will be signed by the end of the month of June and another MoU with ARAI (Pune) will be signed by the second week July.

21. Dr. Y. V. Hanumantha Rao announced that the syllabus of M.Tech. (Thermal Engineering) was forwarded to IIT Kharagpur for suggestions and the BoS is taking a wait and see approach.
22. It is requested that the IRP cell helps the department in getting MoU's from industries for M.Tech. program.
23. The proposed and approved B.Tech course structure for 2013-14 admitting students is shown in Annexure-1
24. The proposed and approved M.Tech-Thermal Engineering course structure for 2013-14 admitting students was shown in Annexure-2
25. The proposed and approved M.Tech-Mechatronics course structure for 2013-14 admitting students was shown in Annexure-3
26. The proposed and approved Pre-PhD courses for 2013-14 admitting students were shown in Annexure-4.
27. It was resolved to approve all the recommendations of DAC meeting conducted on 23<sup>rd</sup> March 2013 except point 7.

  
(Dr. Y. V. Hanumantha Rao)  
Head of the Department

**PROFESSOR & HEAD**  
Department of Mechanical Engineering  
**DST FIST SPONSORED**  
K.L. University, Vaddeswaram-522 502