K L UNIVERSITY

Department of Mechanical Engineering

MINUTES OF DEPARTMENT ACADEMIC COMMITTEE MEETING

The department academic committee meeting was conducted in **HOD, Mechanical Engineering, chamber** on **23rd March 2013** at **4:15 pm**

Agenda:

1. To discuss the feedbacks received from stake holders on curriculum.
2. To propose the curriculum for B.Tech 2013-14 admitting batch
3. To propose the curriculum for M.Tech-Thermal Engineering 2013-14 admitting batch.
4. To propose the Program design Document and Curriculum for M.Tech-Mechatronics program from the A.Y 2013-14.
5. Any other points.

The following members were present:

1. Dr. Y V Hanumantha Rao	Head of the Department
2. Dr. K. V. Ramana	Principal, Academic Staff College.
3. Dr. K. L. Narayana	Dean, R & D
4. Dr. A. Srinath	Robotics & Mechatronics Research Group Head
5. Mr. G L Narayana	Thermal Research Group Head
6. Mr. DVA Ramasastry	Design Research Group Head
7. Dr. K. Rama Kotaiah	Production Research Group Head
8. V. Sai Ram(12207004)	M.Tech, Thermal Engineering student
9. G.Sai Hemath(09101138)	IV/IV B.Tech Student
10. A. S. N Sai Teja(09101233)	IV/IV B.Tech Student
11. M. Satya Sri (09101324)	IV/IV B.Tech Student
12. M.Karthik Reddy (10101748)	III/IV B.Tech Student
13. P.Naveen Varma (10101807)	III/IV B.Tech Student
14. N V S Sai Kasyap (10101878)	III/IV B.Tech Student
15. G.Naga Prasad (11007043)	II/IV B.Tech Student
16. V.Dileep Kumar (11007303)	II/IV B.Tech Student

The following points were discussed and resolved

1. It is resolved requesting Dr. A. Srinath to verify and propose if any modifications required for the Strength of Materials course.
2. Mr. G L Narayana, upon considering feedback from students, faculty, academic peers, industry and alumni, has tabled the modified curriculum with detailed syllabi of M.Tech Thermal Engineering for the batch 2013-14 (Annexure 2).
3. Dr. K. Ramakotaiah proposed to induct Welding Technology as Professional Elective for the batch 2009-10 for which HOD asked him to prepare syllabus for the course to submit proposal to BOS.
4. Upon consideration of feedback from students, it was resolved to recommend BOS to include courses on machine drawing, Quantitative aptitude & Reasoning, Metallurgy and to make Finite element Method as a compulsory core Course (Annexure 1).

5. Upon consideration of feedback from Academic peers, it was resolved to recommend BOS to include courses related to employability skills (Annexure 1).
6. Upon consideration of feedback from faculty, it was resolved to recommend BOS to modify the syllabus of Fluid mechanics and Hydraulic machines course (Annexure 1).
7. Upon consideration of feedback from faculty, it was resolved to recommend BOS to modify the syllabus of Robotics, Strength of Materials. (Annexure 1).
8. Upon consideration of feedback from faculty, it was resolved to recommend to BOS to consider following for B.Tech curriculum (Annexure 1):
    a. To offer Machine Tool Engineering course as a core course.
    b. To offer Metrology and Instrumentation course as a core course.
9. It is resolved to offer the following specializations under professional electives (Annexure 1):
    a. Automobile Engineering
    b. Flexible Manufacturing Systems
    c. Mechatronics
10. Upon consideration of feedback from Industry persons, it was resolved to recommend BOS to offer courses on Robotics and Mechatronics as electives and also to send students to Industries regularly to gain practical insight (Annexure 1).
11. Upon consideration of feedback from faculty, it was resolved to recommend to BOS to consider following for M.Tech-Thermal Engineering curriculum (Annexure 2):
    a. To modify the syllabus of Advanced Thermodynamics, Design of Thermal systems, Heat Exchanger Design, IC Engine combustion and pollution, Gas Turbine Engineering and Renewable Energy Technology courses
    b. To introduce the Numerical Methods in Thermal Engineering, Advanced Heat and Mass Transfer, Incompressible and compressible flows, CFD, Refrigeration and cryogenics and Measurements in Thermal Engineering courses.
12. Upon considering above mentioned feedbacks and surveying through the policy documents in relevance to APIIC, Human Resource Development Policy, Govt. of India, National Skill Development Corporation, Govt. of India, Confederation of Indian Industries, The Associated Chambers of Commerce of India (Assocham), The National Association of Software and Services Companies (NASSCOM), ABET, NBA norms, AICTE statutory norms and American Society of Mechanical Engineers (ASME), it is resolved to propose enclosed curriculum for B.Tech-Mechanical Program for 2013-14 (Annexure 1) and M.Tech-Thermal Engineering 2013-14 (Annexure 2) for BOS approval.
13. The DAC members approved the Program Design Document (Annexure 3) along with curriculum (Annexure 4) for M.Tech mechatronics, put forward by Dr.A.Srinath (Group Head-Robotics and Mechatronics) and it was resolved to forward the same to BoS for approval.

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

PROFESSOR & HEAD
Department of Mechanical Engineering
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