

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 2nd April 2015 at 12:00 pm

Agenda:

1. To discuss the feedbacks received from stake holders on curriculum.
2. To propose the curriculum for B.Tech 2015-16 admitted batch
3. To propose the curriculum for M.Tech-Thermal Engineering 2015-16 admitted batch.
4. To propose the curriculum for M.Tech-Mechatronics 2015-16 admitted batch.
5. Any other points with the permission of the DAC-chairman.

The following members were present:

1. Dr. P.V.Chalapathi	Professor, 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. Dr. T.V.Rao	Thermal Research Group Head
6. Dr. B.RaghuKumar	Design and Manufacturing Research Group Head
7. L.S.Siva Kumar (14207016)	M.Tech-Thermal Engg. Student
8. G. Pranav Chand (14207102)	M.Tech-Mechatronics Student
9. G.Naga Prasad (11007043)	IV/IV B.Tech Student
10. V.Dileep Kumar (11007303)	IV/IV B.Tech Student
11. K.Sarat Chandra (11007161)	IV/IV B.Tech Student
12. B. Ranjit(12007003)	III/IV B.Tech Student
13. V.Lokesh(12007032)	III/IV B.Tech Student
14. K.Siva Manikanta(12007057)	III/IV B.Tech Student
15. T.Yeswanth Sai(13007121)	II/IV B.Tech Student
16. N. Siva Kumar(13007296)	II/IV B.Tech Student

The following points were discussed and resolved

1. Dr. T. V. Rao, Group Head of Thermal Engineering put forward the proposal for discussion about the courses related to thermal group for the 2015-16 admitting batch to the members present.
2. Dr. A. Srinath, Group Head of Robotics and Mechatronics put forward the proposal for discussion about the courses related to Robotics and Mechatronics group for the 2015-16 admitted batch to the members present.
3. Dr. B. Raghu Kumar, Group Head of Design Engineering put forward the proposal for discussion about the courses related to design group for the 2015-16 admitted batch to the members present.
4. Dr. P. V. Chalapathi, put forward the proposal for discussion about the courses related to Industrial Engineering for the 2015-16 admitted batch to the members present.
5. Dr. K. Rama Kotaiah, put forward the proposal for discussion about the courses related to Manufacturing and Production for the 2015-16 admitted batch to the members present.
6. Dr. K. V. Ramana put forward the proposal for M.Tech. Machine Design Program.

7. Dr. A. Srinath proposed regarding extending the admission into M.Tech. Mechatronics program to students with B.Tech. degree in Electronics and Communication Engineering, Electronics and Instrumentation Engineering, Electronics and Electrical Engineering, Electrical and Instrumentation Engineering and Electronics and Computer Engineering with a minimum pass percentage of 55% in their undergraduate studies. All DAC members recommended to forward the same to BOS.
8. DAC members discussed about the feedback sent by Dr. A.VenuGopal, Professor, Mechanical Engineering, N.I.T Warangal on curriculum.
9. DAC members discussed about the feedback sent by Dr.Surya Prakash Rao, Professor, Mechanical Engineering, NIT Warangal on curriculum.
10. Upon consideration of feedback from students, it was resolved to recommend to BOS to consider following for B.Tech curriculum
 - a. to offer Automobile specialization for B.Tech students (Annexure 1).
 - b. to offer Machine Drawing course as one of the core courses (Annexure 1).
 - c. to offer more courses to enhance their communication skills and employability skills (Annexure 1).
 - d. to split up Fluid Mechanics & Hydraulic Machines course into two separate courses and offer as Fluid Mechanics and Turbo machines (Annexure 1).
11. Upon consideration of feedback from academic peers, it was resolved to recommend BOS to consider for including GATE level syllabus in all Core Subjects.
12. Upon consideration of feedback from faculty, it was resolved to recommend to BOS to consider following for B.Tech curriculum
 - a. to add topics related to optimization techniques by adding to probability course and introduce it as Probability and optimization techniques (Annexure 1).
 - b. to modify the syllabus of material science and metallurgy (Annexure 1).
 - c. to modify the syllabus of Mechanics course (Annexure 1).
 - d. to modify the syllabus of Engineering graphics course (Annexure 1).
 - e. to modify the syllabus of Thermodynamics and Applied thermodynamics courses (Annexure 1).
 - f. to modify the syllabus of Design of transmission elements course (Annexure 1).
 - g. to modify the syllabus of Heat Transfer course (Annexure 1).
13. Upon consideration of feedback from faculty, it was resolved to recommend to BOS to consider the minor modifications in the syllabi of all core courses in M.Tech Thermal Engineering (Annexure 2).
14. Upon consideration of feedback from faculty, it was resolved to recommend to BOS to consider following for M.Tech Mechatronics curriculum
 - a. It is resolved to add lab component to Modeling and Simulation of Mechatronic Systems course with L-T-P as 3-0-2 (Annexure 3).
 - b. It is resolved to modify the L-T-P structure and credits for the following courses by adding tutorial component (Annexure 3):
 - Fundamentals of Mechatronics
 - Sensors and Actuators
 - Robotics: Advanced Concepts and Analysis
 - Control of Mechatronic Systems
15. 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 from 2015-16 admitting batches (Annexure 1) and M.Tech-Thermal Engineering (Annexure 2) & M.Tech-Mechatronics (Annexure 3) from 2015-16 admitting batches for BOS approval.

16. Upon discussions, it is resolved to recommend BOS the following list of courses for Pre PhD examinations of Mechanical Engineering department (Annexure 4).

P. V. Chalapathi

Dr. P.V.Chalapathi
(Head of the Department)

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