Charotar University of Science & Technology
C.S. Patel Institute of Technology
Department of Mechanical Engineering

Academic Year: 2015-16

Date: 28/06/2016

Feedback Analysis Report of Stakeholders on Curriculum

Feedback of Students:

1. More electives should be offered.
2. Lab hours should be increased.
3. More industrial visits should be arranged.

Feedback of Employers:

1. Advanced welding techniques should be included in UG curriculum.
2. Composite materials should be the part of syllabus for UG students.
3. Topic based on Water recycling should be taught to students.

Feedback of Teachers:

1. Product Design Course should be introduced.
2. Include synthesis & Mechanism in Mechanisms & Machines.
3. Include Friction topic in Dynamics of Machines.

Dr. Vijay Chaudhary,
Associate Professor & Head, MED, CSPIT

CHANDUBHAI S. PATEL INSTITUTE OF TECHNOLOGY • CSPIT CHANGA

Charotar University of Science & Technology
C.S. Patel Institute of Technology
Department of Mechanical Engineering

Academic Year: 2016-17

Date: 05/07/2017

Feedback Analysis Report of Stakeholders on Curriculum

Feedback of Students:

1. More emphasis should be given to industrial training.
2. Metal casting should be taught as special course.
3. SWAYAM/NPTEL courses should be offered to students in consider as a part of internal evolution.
4. Videos and animation should be expose to students for easy understanding of difficult topics.

Feedback of Employers:

1. Technical fundamentals of the subjects like design, metallurgy, manufacturing process, metrology, quality and management need to be integrated with curriculum.
2. Hands on practise required more for the visualization and better understanding.
3. Specialization required on boiler, hydraulic pneumatic, robotics, PLC and NDT methods.
4. Focus on practical exposure and skill development.

Feedback of Alumni:

1. Various techniques for getting higher fibre volume fraction in polymer matrix composite should be taught in the composite material subject.
2. The syllabus specifically mechanically designed is very conventional, it should be revised to meet the industrial needs.
3. Software based learning should be implemented.

Feedback of Teachers:

1. Practical hours for manufacturing objects should be increased.
2. Tutorial sessions should be implemented tor the practise of the drawing in engineering graphics subject.

3. Advance materials like smart and nano-materials should be incorporated into the course "Material science and technology"
4. Practical related to material testing and characterization should be included in the laboratory.
5. Include the heat exchanger design incorporated with the ASME codes.

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Charotar University of Science & Technology
C.S. Patel Institute of Technology
Department of Mechanical Engineering

Academic Year: 2017-18

Date: 26/06/2018

Feedback Analysis Report of Stakeholders on Curriculum

Feedback of Students:

1. Industrial training should be added in syllabus.
2. Students should be encouraged for internship.
3. Project weighted should be increased.
4. More experiments should be added in various courses.
5. Control and automation should be part of syllabus.

Feedback of Employers:

1. Introduction to plastics and its different machines for plastic recycling is to be added in curriculum.
2. Include more practical knowledge of ultrasonic testing.
3. Add industrial internship for B. Tech and M. Tech students.
4. The institute should strengthen the industry -institute linkage to bridge the gap and upgrade the syllabus by including the recent trends and technologies used in industries.
5. Skill development programs in collaboration with industries should be conducted to increase the employability of the students.

Feedback of Alumni:

1. Include finite element methods as an individual subject in curriculum.
2. A case study session should be made part of the curriculum to enhance the brainstorming capability in an individual which as at most important in the industry.
3. Industrial training internship should be made part of the final year curriculum so the graduating batch can make themselves ready to work for the industry.
4. The Course syllabus need to be more industry oriented like lab practical should have more real-life problem included rather than just theoretical concept demonstration.

5. More guest lectures from outside faculties and industry/domain experts would give better outlook and learning to the students.
6. Various 3D and 2D CAD modelling analysis software such as Ansys, Fluent or Comsol Multiphysics should be taught to students.

Feedback of Teachers:

1. Non-traditional optimization techniques should be added in curriculum of Optimization Techniques.
2. Component design modelling, simulation can be added in the subject.
3. Nano scale heat transfer topic should be included in heat & mass transfer.

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CHANDUBHAI S. PATEL INSTITUTE OF TECHNOLOGY • CSPIT CHANGA

Charotar University of Science & Technology
C.S. Patel Institute of Technology
Department of Mechanical Engineering

Academic Year: 2018-19

Date: 03/07/2019

Feedback Analysis Report of Stakeholders on Curriculum

Feedback of Students:

1. Project based learning should be implemented.
2. More software should be taught in subjects.
3. More industrial visit should be added.
4. Project & Dissertation credit should be increased.
5. More elective should be implemented in final year.
6. 3D printing should be included in syllabus.

Feedback of Employers:

1. Industrial visit should be organized regularly.
2. Skill based practical work should be included in syllabus.
3. Additive manufacturing should be planned for the master's programs at university level for various domains.
4. Communication skill and soft skills of the students should be enhanced.
5. More inclination should be towards the operating skills of the mechanical equipment is required.
6. Separate subject should be designed for Metal Casting.

Feedback of Alumni:

1. Add emission norms BS2, BS 3, BS 4, BS 5, BS 6 in the IC engine subject.
2. Advanced Industrial Management techniques to be added in the curriculum.
3. For research and development, software's used in industry should be included in engineering.

Feedback of Teachers:

1. Industrial exposure and internship should be included in syllabus.
2. More emphasis should be given to control & automation.

3. Addition of more case studies and practical based analysis can be helpful for real time application.
4. More experimental setup provides for lab session and numerical practice required Computational Methods to be incorporated.

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Charotar University of Science & Technology
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Department of Mechanical Engineering

Academic Year: 2019-20

Date: 26/06/2020

Feedback Analysis Report of Stakeholders on Curriculum

Feedback of Students:

1. More practical knowledge should be provided.
2. Include MATLAB as elective course.
3. Advanced courses should be included as per current trend.

Feedback of Employers:

1. Maintenance aspect should be included in courses such as automobile engineering. Power plant engineering etc.
2. Topics such as Harshness, Noise, Noise control should be introduced at UG level.
3. Hands on practice should be included in practical sessions.
4. Teach route cause analysis for product failures.

Feedback of Alumni:

1. More practical knowledge should be provided.
2. Case study-based learning should be introduced.
3. Automation should be more emphasis as per current trends.
4. Design of Shell & Tube Heat Exchanger should be taught in Heat Transfer.

Feedback of Teachers:

1. Industrial exposure should be needed for more practical knowledge.
2. More elective subjects should be offered, so students can choose as per interest.
3. Pre-requisite of all subjects should be analysed before starting of any course.
4. Finance Difference Methods should be introduced in Heat Transfer Subject.

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