



MAHENDRA COLLEGE OF ENGINEERING

CHENNAI MAIN ROAD, MINNAMPALLI, SALEM-636106



**STAKEHOLDERS FEEDBACK &
DEPARTMENT WISE ACTION TAKEN
REPORT
2020-2021**



MAHENDRA COLLEGE OF ENGINEERING
DEPARTMENT OF CIVIL ENGINEERING
ACADEMIC YEAR 2020-2021



Action Taken Report

Submitted to the Principal:

The Departments of Civil Engineering has taken the structured feedback on syllabus design and review from Students, Teachers, Alumni, Employers and Parents.

Feedback from Students:

- The Department has a Learning and Teaching Committee there is no
- Student representative on the committee and not all of the GTAs were aware of the committee.
- A topic on construction aspects of airport may be added.

Feedback from Teachers:

- Students are benefited to selecting the electives.
- The new system is useful to develop the career technology, gaining knowledge in the Updating of technical fields.
- The syllabus is represent to bridge the gap between intuition required academic standards and global scenarios.
- Design of folded plate staircase may be included


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Feedback from Alumni:

- Reading Material which is oriented to curriculum is easily available and strongly agreed.
- Using a mini project in real time operation is accepted.
- Employability of enhance syllabus is relevant to knowledge, skills and analytical abilities.
- Extent of coverage course and overall rating among the internship is good.
- Unit IV - some more advanced treatment methods can be added.

Feedback from Parents:

- Availability of resource materials for course content is good visually planned.
- The syllabus followed by the colleges capable for the betterment toward skills concepts and analytical abilities, compatible with industrial standards.
- The curriculum followed by our instructions syllabus is useful for employment opportunities and it is also relevant to real time situations.
- More of practical experience is necessary for the student's career development and also to sustain in industry.
- A topic on software may be added


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Feedback from Employer:

- Training should be implemented in the syllabus for better employment opportunities.
- The syllabus is very useful for the jobs.
- Advance skill is implemented in this syllabus.
- An advanced treatment methods may be added.


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MAHENDRA COLLEGE OF ENGINEERING
DEPARTMENT OF MECHANICAL ENGINEERING



ACTION TAKEN REPORT

Submitted to the Principal:

Stakeholder Feedback Report for Syllabus Design and Review 2020-21

The Departments of Mechanical Engineering has taken the structured feedback on syllabus design and review from Students, Teachers, Alumni, and Employers

Feedback from Students:

- Students requested that curriculum may incorporate courses such as soft skills for better placement.
- Students requested for technical skill oriented courses.
- Students suggested improving the college infrastructure and club activities.

Feedback from Teachers:

- Teachers suggested that the syllabus content is good.
- Teachers suggested as most of the courses are designed with strong fundamentals, engineering knowledge, and modern technology to provide the effective solutions for engineering problems.
- Teachers suggested that research activities may be carried out by the students.

Feedback from Alumni:

- The alumni addressed lack of practical content of syllabus which will increase the employment opportunities.
- The alumni Suggested to more laboratory experiments other than as described in syllabus.
- The Alumni felt that the library facilities need to be improved.

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DEPARTMENT OF MECHANICAL ENGINEERING



ACTION TAKEN REPORT

Feedback from Employer:

- Great faculties get this, Instead of jumping in with a rote “nice job” or “thanks,” they take few extra minutes to consider how to give praise in a way that will be truly useful.
- Additional classes to be conducted to introduce design subjects.
- Practical approach of teaching design to be adapted.

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HoD - MECH

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MAHENDRA COLLEGE OF ENGINEERING
DEPARTMENT OF BIOMEDICAL ENGINEERING
ACTION TAKEN REPORT



Submitted to principal:

Stakeholder Feedback Report for Syllabus Design and Review 2020-21

The Department of Biomedical Engineering has taken the structured feedback on syllabus design and review from Students, Teachers, Alumni and Employers.

Feedback from Students:

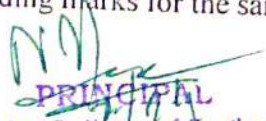
- Syllabus is built in a way to stimulate learning practice; the context of the syllabi helps us to built knowledge in a way we remember the concepts forever but the basic are missing
Ex: Fundamentals of Bio-chemistry and Medical Physics
- Syllabus adjoining laboratory courses help us to learn practically with more interest and involvement.
- Few syllabus were out dated and come with a laboratory syllabus that doesn't conduct examinations.

Feedback from Teachers:

- Syllabus covers all the basic aspects of the biomedical engineering.
- All most all of the courses are designed with strong fundamentals, engineering knowledge, and modern technology to provide the effective solutions for engineering problems.
- Few courses may be given additional laboratory as its is required to learn through practice Ex: Biomechanics and Sensors & Measurements

Feedback from Alumni:

- Improved importance is required for internal examinations, by offering additional marks to internal examination
- Assessment included with assignments periodically helps to keep ourselves in touch with the syllabus.
- Syllabus framed with reference and textbooks mentioned in it, which is useful to access the books easily as per the syllabus requirements.
- The system of offering industrial visits and implant training helps to gather more practical knowledge, it is required to increase the frequency and awarding marks for the same.


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Feedback from Employer:

- Recommends implement skill-based training for each syllabus as required.
- Recommends to add the advanced equipment needed for the course Ex: Radiological Equipment's.
- Improved communication skill-based syllabi have to be introduced.

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MAHENDRA COLLEGE OF ENGINEERING

DEPARTMENT OF INFORMATION TECHNOLOGY



ACTION TAKEN REPORT

Submitted to principal:

Stakeholder Feedback Report for Syllabus Design and Review 2020-21

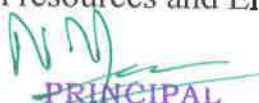
The Department of Information Technology has taken the structured feedback on syllabus design and review from Students, Teachers, Alumni and Employers.

Feedback from Students:

- Most of the students opinioned that the present syllabus have enhanced our knowledge as well as our skills. The entire syllabus is completed in time, so we had time to revise more. .
- Students requested more department programs, seminars relevant to syllabus, so that they aware of realtime application.
- Students requested more activities and tasks based upon the syllabus.
- Students are satisfied with the University internal assessment and evaluation processs.

Feedback from Teachers:

- Teachers suggested that the syllabus content is suitable for both slow and fast learners.
- Teachers suggested most of the courses are designed with strong fundamentals, the depth and scope of the curriculum was Excellent.
- Teachers suggested to introduce Basics for some subjects and Laboratory courses can be introduced for knowing the concepts and tools.
- Teachers opinion about present curriculum related with employability and professional development is good, Effectiveness of curriculum to develop skill oriented Human resources and Entrepreneurship is satisfactory.


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- Teachers suggested sufficient reference material and books are available for the topics mentioned in the syllabus.
- Teachers suggested Fundamentals of python can be introduced in the syllabus and Laboratory courses can be introduced for Big data analytics and Graphics and multimedia.

Feedback from Alumni:

- Most of the alumni agreed that the syllabus imparted value based learning in terms of skill, concepts and knowledge.
- They also felt that the curriculum addresses topics which can enable better performance of the student in the work environment.
- They felt the curriculum has sufficient balance between theoretical and practical courses.
- They required increasing the importance of internship/Industrial visits during the vacation times of the students which will really help to relate the academic courses with the current scenario.

Feedback from Employer:

- The employers feedback on curriculum indicate that, employee have gained ability knowledge and skill that help them to contribute in achieving objectives of organization.
- The employers suggested giving more importance for placement training.
- The employers recommended giving importance to communication skills, internships so that they get more technical skills.



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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



ACTION TAKEN REPORT

Submitted to principal:

Stakeholder Feedback Report for Syllabus Design and Review AY 2020-21

The Department of Computer Science and Engineering has taken the structured feedback on syllabus design and review from Students, Teachers, Alumni and Employers.

Feedback from Students:

- Most of the students feel that the syllabus is made up to the standard and no inclusion or deletion is required.
- Illustrative Problems can be added in each unit with some real time examples.
- Students suggest that the syllabus was not cover industry standards and they suggest need to improve more industry related topics.
- Students suggest that the syllabus was not related to real world problems.

Feedback from Teachers:

- Teachers feel that objectives and content of the syllabus clearly indicated.
- Basics of Computer fundamentals can be improved, Other Programming Languages origins can be enhanced
- Teachers suggest that the syllabus is not designed to bridge a gap between the theory and the practical
- Tools to execute Machine Learning concepts can be added as separate unit
- High end tools should be given for execution rather than Hadoop.
- Teachers suggest that the syllabus is not covered with modern & advanced topics.


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- Most of the teachers feel that curriculum content is good and no addition or deletion of topics is required.
- Teachers suggest that Real time examples implemented in future.


Feedback from Alumni:

- Almost all of the Alumni are in the opinion that objective and learning process of syllabus was excellent.
- Syllabus should designed by linking theoretical approach with some practical application for the topics such as nanochemistry
- Sample exercises only given based on Topics given in theoretical syllabus. More Exercise can be given.
- They also felt that the contents of the Syllabus must be more practical that more than they studied a lot in Books
- Alumni think that syllabus of various subjects must be job oriented.

Feedback from Employer:

- The employers suggest that curriculum is relevant for employability.
- The employers suggest that the curriculum is not effective for the students in developing innovative thinking.
- The examples suggested in each exercise are only indicative. It relatively advanced level for the beginners of Programming language.
- The employers suggest that syllabus must be with the real-world problems
- The employers suggest that curriculum is not helps the students to become an entrepreneur.


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MAHENDRA COLLEGE OF ENGINEERING
DEPARTMENT OF MECHATRONICS ENGINEERING



Action Taken Report

Submitted to principal:

Stakeholder Feedback Report for Syllabus Design and Review 2020-21

The Departments of Mechatronics Engineering has taken the structured feedback on syllabus design and review from Students, Teachers, Alumni and Employers.

Feedback from Students:

- Most of the students opinioned that the present syllabi fulfilled their learning needs, course objectives were clear to them, course contents met with their expectations, contents were illustrated with adequate examples, course exposed them to new knowledge and practices, the course content had contemporary relevance, course seemed useful to them in getting a job, the structure of the syllabus was systematic, and that the topics included were of equal importance.
- Students requested credits for internship to enrich their knowledge related to their curriculum.
- Students required the provision of awarding more marks for practical courses which will help them in increasing their practical knowledge and academic performance.
- Students felt that there is higher number of experiments in Strength of Materials and Fluid Mechanics & Machinery Laboratory. They requested to reduce the excercises.
- Students requested activity based programs such as yoga, arts & crafts, local visits before the beginning of their regular academic courses.

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Feedback from Teachers:

- Teachers suggested that the syllabus content is excellent and courses are designed with strong fundamentals, engineering knowledge, and modern technology to provide the effective solutions for engineering problems.
- Teachers suggested the concept of using Matrix Algebra methods for solving practical problems can be introduced in the syllabus.
- Teachers suggested the basics of crystallography and optical properties of materials can be introduced in the syllabus.
- Teachers suggested the Syllabus need to be updated with reference to current Industrial standards and applications.
- Teachers suggested the Syllabus need to be updated by introducing the concept of Random Number and Simulation software.
- Teachers suggested as most of the Teachers suggested introducing a new induction program for the newly joined first year students. This induction program may include the topic of Universal Human Values (UHV) which will be very useful to make the students feel comfortable in their new environment, open them up, create bonding with their peers as well as between faculty and students.
- Teachers recommended the Induction Programme introduced shall consist of more activity based programme and therefore there will be no tests.


Feedback from Alumni:

- Most of the respondents agreed that the current syllabi fulfilled their needs, it they gave them a clear idea about the purpose of the course, and the syllabi also fulfilled their objectives after the completion of the course.

- They also felt that the contents of the syllabi had developed a sustained interest in them, agreed about the explicit nature of the assessment strategies in the curriculum, and also found that the curriculum was useful at workplace.
- They felt it was pleasantly challenging, and they had easy access to prescribed/reference books.
- They required increasing the importance of internship/Industrial visits during the vacation times of the students which will really help to relate the academic courses with the current scenario.
- They wanted to boost the need of professional English communication skills that will enhance the learners to use the language effectively in academic /work contexts.

Feedback from Employer:

- The employers recommended increasing more practical sessions for the students to gain more experiential learning.
- The employers suggested giving more scope for internship that helps the students to enhance their technical skills and placement.
- The employers recommended giving more importance to Professional English communication in the curriculum that in turn helps the learners to improve their abilities in read and write complex texts, summaries, articles, blogs, definitions, essays and user manuals.


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HOD / MECHATRONICS ENGINEERING



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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Action Taken Report


Submitted to principal:

Stakeholder Feedback Report for Syllabus Design and Review 2020-21

The Departments of Electrical and Electronics Engineering have taken the structured feedback on syllabus design and review from Students, Teachers, Alumni and Employers.

Feedback from Students:

- Most of the students opined that the present syllabi fulfilled their learning needs, course objectives were clear to them, course contents met with their expectations, contents were illustrated with adequate examples, course exposed them to new knowledge and practices, the course content had contemporary relevance, course seemed useful to them in getting a job, the structure of the syllabus was systematic, and that the topics included were of equal importance.
- Students required the provision of awarding more marks for practical courses which will help them in increasing their practical knowledge and academic performance.
- Students required the Industrial Visit every semester to develop their practical knowledge.
- Students requested credits for internship to enrich their knowledge related to their curriculum.
- Students requested activity based programs such as yoga, arts & crafts, local visits before the beginning of their regular academic courses.
- The content of third unit and fourth unit are heavy. It shall be reduced.


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Feedback from Teachers:

- Teachers suggested that the syllabus content is excellent.
- Teachers suggested as most of the courses are designed with strong fundamentals, engineering knowledge, and modern technology to provide the effective solutions for engineering problems.
- Teachers suggested introducing a new induction program for the newly joined first year students. This induction program may include the topic of Universal Human Values (UHV) which will be very useful to make the students feel comfortable in their new environment, open them up, create bonding with their peers as well as between faculty and students.
- Teachers recommended the Induction Programme introduced shall consist of more activity based programme and therefore there will be no tests.
- The concept of building drawing to be required in the syllabus.

Feedback from Alumni:

- Most of the respondents agreed that the current syllabi fulfilled their needs, it they gave them a clear idea about the purpose of the course, and the syllabi also fulfilled their objectives after the completion of the course.
- They also felt that the contents of the syllabi had developed a sustained interest in them, agreed about the explicit nature of the assessment strategies in the curriculum, and also found that the curriculum was useful at workplace.
- They felt it was pleasantly challenging, and they had easy access to prescribed/reference books.
- They required increasing the importance of internship/Industrial visits during the vacation times of the students which will really help to relate the academic courses with the current scenario.


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- They wanted to boost the need of professional English communication skills that will enhance the learners to use the language effectively in academic /work contexts.
- Number of experiments was high in Instrumentation. It can be reduced.
- The content of third unit is heavy. It should be reduced.

Feedback from Employer:

- The employers recommended increasing more practical sessions for the students to gain more experiential learning.
- The employers suggested giving more scope for internship that helps the students to enhance their technical skills and placement.
- The employers recommended giving more importance to Professional English communication in the curriculum that in turn helps the learners to improve their abilities in read and write complex texts, summaries, articles, blogs, definitions, essays and user manuals.

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MAHENDRA COLLEGE OF ENGINEERING

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING



ACADEMIC YEAR 2020 -2021

ACTION TAKEN REPORT

Submitted to the Principal:

Stakeholder Feedback Report for Syllabus Design and Review 2020-21


The Departments of Electronics and Communication Engineering has taken the structured feedback on syllabus design and review from Students, Teachers, Alumni and Employers.

Feedback from Students:

- The depth of the course content is excellent, and it will be relevant to industry applications.
- Appreciated the technical substance of the course, which is beneficial for real-time problem solving and project implementation.
- Students give the present syllabus an overall grade of good.
- Most of the students highly agree with the present syllabus's skills-based content.
- Students requested internship credits in order to broaden their expertise in areas relating to their degree.
- Students demanded that more marks be awarded for practical courses, which would aid them in improving their practical knowledge and academic performance.
- Before the start of their normal academic courses, students requested activity-based activities courses.

Feedback from Teachers:

- Students profit from the ability to choose electives, and the new approach is excellent for developing career technology and obtaining knowledge in the Updation of technical domains.
- The syllabus is intended to bridge the gap between intuition and academic requirements, as well as worldwide circumstances.
- Syllabus need to be updated in the few subjects like Fundamentals of RF design and microwave integrated circuits, MEMS and Millimeter wave device circuits.


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- The syllabus outcomes of (CBCS) Choice Based Credit System programmes are well specified and good.
- The syllabus substance, according to teachers, is good.
- Teachers recommended the courses because they are developed with solid principles, engineering knowledge, and current technology to deliver effective answers to engineering challenges.
- Teachers advised that the Induction Programme offered be more action centered, and hence there would be no examinations.

Feedback from Alumni:

- Most of the respondents agreed that the current syllabi fulfilled their needs, it they gave them a clear idea about the purpose of the course, and the syllabi also fulfilled their objectives after the completion of the course.
- They also felt that the contents of the syllabi had developed a sustained interest in them, agreed about the explicit nature of the assessment strategies in the curriculum, and also found that the curriculum was useful at workplace.
- Syllabus need to be updated in the antennas and microwave of materials, transmission lines and in multimedia compression and communication.
- They felt it was pleasantly challenging, and they had easy access to prescribed/reference books.
- They required increasing the importance of internship/Industrial visits during the vacation times of the students which will really help to relate the academic courses with the current scenario.
- They wanted to boost the need of professional English communication skills that will enhance the learners to use the language effectively in academic /work contexts.

Feedback from Employer:

- Skill-based training should be included in the curriculum to improve career chances.
- Employer is required to understand advanced aspects of industry-oriented machinery and procedures.
- Employers are always eager to welcome students to Industrial Visits and Short-Term Industrial Training Programs.


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- Employers suggested increasing the number of practical sessions for students to gain more experiential learning.
- Employers suggested increasing the number of internship opportunities for students to improve their technical skills and placement.
- Employers suggested emphasizing Professional English communication in the curriculum to help learners improve their abilities to read and write complex texts, summaries, articles, and blogs.



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