

Structured Feedback on Curriculum

Structured Feedback on Curriculum Obtained from Students:

The following Assessment Parameter are considered to assess the quality and adequacy of curriculum offered for the B.E/M.E program

- The curriculum is up to date and relevant from the point of view of employability.
- The core courses offer an in-depth exposure to the subject.
- Pre-requisite courses/ topics are covered in the curriculum prior to introduction of a course.
- Sufficient practical exposure is provided for the theoretical concepts in the courses.
- Adequate exposure is provided to relevant software.
- The courses enhance the analytical/ problem solving/ critical thinking/ innovative skills.

The report of analysis of feedback received from students of Electronics and Communication Engineering department for the academic year 2018-19.

Assessment Parameter	Total Response	% Yes	% No
The curriculum is up to date and relevant from the point of view of employability	20	65	35
The core courses offer an in-depth exposure to the subject	20	55	45
Pre-requisite courses/ topics are covered in the curriculum prior to introduction of a course	20	75	25
Sufficient practical exposure is provided for the theoretical concepts in the courses	20	90	10
Adequate exposure is provided to relevant software	20	35	65
The courses enhance the analytical/ problem solving/ critical thinking/ innovative skills	20	75	25

The report of analysis of feedback received from students of Electronics and Communication Engineering department for the academic year 2017-2018.

Assessment Parameter	Total Response	% Yes	% No
The curriculum is up to date and relevant from the point of view of employability	21	43	57
The core courses offer an in-depth exposure to the subject	21	95.23	4.7
Pre-requisite courses/ topics are covered in the curriculum prior to introduction of a course	21	95.23	4.7
Sufficient practical exposure is provided for the theoretical concepts in the courses	21	85.71	14.28
Adequate exposure is provided to relevant	21	76.19	23.8

Structured Feedback on Curriculum Obtained from Teachers:

The following Assessment Parameter are considered to assess the quality and adequacy of curriculum offered for the B.E/M.E program

- The curriculum is up to date and relevant from the point of view of employability.
- The core courses offer an in-depth exposure to the subject.
- Pre-requisite courses/ topics are covered in the curriculum prior to introduction of a course.
- Sufficient practical exposure is provided for the theoretical concepts in the courses.
- Adequate exposure is provided to relevant software.
- The courses enhance the analytical/ problem solving/ critical thinking/ innovative skills.

The report of analysis of feedback received from teachers in Electronics and Communication Engineering for the academic year 2018-2019.

Assessment Parameter	Total Response	% Yes	% No
The curriculum is up to date and relevant from the point of view of employability	15	86.66	13.33
The core courses offer an in-depth exposure to the subject	15	100	0
Pre-requisite courses/ topics are covered in the curriculum prior to introduction of a course	15	100	0
Sufficient practical exposure is provided for the theoretical concepts in the courses	15	80	20
Adequate exposure is provided to relevant software	15	66.66	33.33
The courses enhance the analytical/ problem solving/ critical thinking/ innovative skills	15	93.33	6.66

The report of analysis of feedback received from teachers in Electronics and Communication Engineering department for the academic year 2017-2018.

Assessment Parameter	Total Response	% Yes	% No
The curriculum is up to date and relevant from the point of view of employability	12	83.33	16.66
The core courses offer an in-depth exposure to the subject	12	83.33	16.66
Pre-requisite courses/ topics are covered in the curriculum prior to introduction of a course	12	100	0
Sufficient practical exposure is provided for the theoretical concepts in the courses	12	75	25
Adequate exposure is provided to relevant software	12	92	8
The courses enhance the analytical/ problem solving/ critical thinking/ innovative skills	12	83.33	16.66

software			
The courses enhance the analytical/ problem solving/ critical thinking/ innovative skills	21	76.19	23.8


The report of analysis of feedback received from students of Electronics and Communication Engineering department for the academic year 2016-2017.

Assessment Parameter	Total Response	% Yes	% No
The curriculum is up to date and relevant from the point of view of employability	24	54.16	45.83
The core courses offer an in-depth exposure to the subject	24	95.83	4.16
Pre-requisite courses/ topics are covered in the curriculum prior to introduction of a course	24	91.66	8.3
Sufficient practical exposure is provided for the theoretical concepts in the courses	24	66.66	33.33
Adequate exposure is provided to relevant software	24	83.33	16.66
The courses enhance the analytical/ problem solving/ critical thinking/ innovative skills	24	79.16	20.83

The report of analysis of feedback received from students of Electronics and Communication Engineering department for the academic year 2016-2017.

Assessment Parameter	Total Response	% Yes	% No
The curriculum is up to date and relevant from the point of view of employability	16	87.5	12.5
The core courses offer an in-depth exposure to the subject	16	68.75	31.25
Pre-requisite courses/ topics are covered in the curriculum prior to introduction of a course	16	75	25
Sufficient practical exposure is provided for the theoretical concepts in the courses	16	62.5	37.5
Adequate exposure is provided to relevant software	16	81.25	18.75
The courses enhance the analytical/ problem solving/ critical thinking/ innovative skills	16	75	25

Analysis: Most of the students have given positive responses on present structures of curriculum; However a few students felt that there is a need to include Job oriented topics in core subjects. The students have also suggested to include programming languages for simulation and synthesis of designs. Further, they have suggested that theory subjects should be complemented with laboratory sessions in the same semester rather than next semester to derive the maximum benefit as a few labs are not placed accordingly.


Head, ECED.

The report of analysis of feedback received from teachers in Electronics and Communication Engineering for the academic year 2016-2017.

Assessment Parameter	Total Response	% Yes	% No
The curriculum is up to date and relevant from the point of view of employability	10	80	20
The core courses offer an in-depth exposure to the subject	10	100	0
Pre-requisite courses/ topics are covered in the curriculum prior to introduction of a course	10	100	0
Sufficient practical exposure is provided for the theoretical concepts in the courses	10	90	10
Adequate exposure is provided to relevant software	10	70	30
The courses enhance the analytical/ problem solving/ critical thinking/ innovative skills	10	80	20

The report of analysis of feedback received from teachers from Electronics and Communication Engineering department for the academic year 2015-16.

Assessment Parameter	Total Response	% Yes	% No
The curriculum is up to date and relevant from the point of view of employability	10	90	10
The core courses offer an in-depth exposure to the subject	10	100	0
Pre-requisite courses/ topics are covered in the curriculum prior to introduction of a course	10	100	0
Sufficient practical exposure is provided for the theoretical concepts in the courses	10	100	0
Adequate exposure is provided to relevant software	10	80	20
The courses enhance the analytical/ problem solving/ critical thinking/ innovative skills	10	90	10

Analysis: The Overall response of the teachers with regard to curriculum and its content was positive. But some faculty observed that syllabus should be up to date as per industry requirement and few faculties suggested to include more practical exposure for some theoretical subjects.



Head, ECED.

Structured Feedback on Curriculum Obtained from Alumni:

The following Assessment Parameter are considered to assess the quality and adequacy of curriculum offered for the B.E/M.E program

- The curriculum is up to date and relevant from the point of view of employability.
- The core courses offer an in-depth exposure to the subject.
- Pre-requisite courses/ topics are covered in the curriculum prior to introduction of a course.
- Sufficient practical exposure is provided for the theoretical concepts in the courses.
- Adequate exposure is provided to relevant software.
- The courses enhance the analytical/ problem solving/ critical thinking/ innovative skills.

The report of analysis of feedback received from alumni of Electronics and Communication Engineering in year 2019.

Assessment Parameter	Total Response	% Yes	% No
The curriculum is up to date and relevant from the point of view of employability	10	90	10
The core courses offer an in-depth exposure to the subject	10	80	20
Pre-requisite courses/ topics are covered in the curriculum prior to introduction of a course	10	90	10
Sufficient practical exposure is provided for the theoretical concepts in the courses	10	90	10
Adequate exposure is provided to relevant software	10	100	0
The courses enhance the analytical/ problem solving/ critical thinking/ innovative skills	10	90	10

The report of analysis of feedback received from alumni of Electronics and Communication Engineering in year 2018.

Assessment Parameter	Total Response	% Yes	% No
The curriculum is up to date and relevant from the point of view of employability	12	90	10
The core courses offer an in-depth exposure to the subject	12	90	10
Pre-requisite courses/ topics are covered in the curriculum prior to introduction of a course	12	90	0
Sufficient practical exposure is provided for the theoretical concepts in the courses	12	100	0
Adequate exposure is provided to relevant software	12	90	10
The courses enhance the analytical/ problem solving/ critical thinking/ innovative skills	12	90	10


The report of analysis of feedback received from alumni of Electronics and Communication Engineering in year 2017.

Assessment Parameter	Total Response	% Yes	% No
The curriculum is up to date and relevant from the point of view of employability	10	90	10
The core courses offer an in-depth exposure to the subject	10	80	20
Pre-requisite courses/ topics are covered in the curriculum prior to introduction of a course	10	90	10
Sufficient practical exposure is provided for the theoretical concepts in the courses	10	80	20
Adequate exposure is provided to relevant software	10	70	30
The courses enhance the analytical/ problem solving/ critical thinking/ innovative skills	10	90	10

The report of analysis of feedback received from alumni of Electronics and Communication Engineering in year 2016.

Assessment Parameter	Total Response	% Yes	% No
The curriculum is up to date and relevant from the point of view of employability	10	90	10
The core courses offer an in-depth exposure to the subject	10	90	10
Pre-requisite courses/ topics are covered in the curriculum prior to introduction of a course	10	80	20
Sufficient practical exposure is provided for the theoretical concepts in the courses	10	90	10
Adequate exposure is provided to relevant software	10	90	10
The courses enhance the analytical/ problem solving/ critical thinking/ innovative skills	10	90	10

Analysis: The Overall responses of the alumni have given on curriculum and its content was positive. But some members suggested that syllabus should be upgraded to include the key industry demands like topics of Artificial Intelligence, Machine Learning, Robotics, 3D printing, Internet of Things etc.


Head, ECED.

Cumulative Analysis Report of feedback on curriculum from Students, Teachers and Alumni

MJCET is affiliated to Osmania University and the University designs curriculum for all affiliated colleges and the contribution of the college in the design of curriculum is through its teachers who are members of the Board of Studies (BoS). Normally, the syllabus is revised once in four years by the University. However, in the year 2016-17, Osmania University Hyderabad introduced Choice Based Credit System (CBCS) and in year 2018-19, the university introduced AICTE model curriculum for Under Graduate and Post graduate courses in engineering. Our faculties who were the members of BoS at that time, were instrumental in curriculum restructuring.

The Institute collects feedback on curriculum from students, teachers, parents and alumni members. The feedback forms are then analysed by respective department of the Institute. The suggestions in the feedback are communicated to the University in the BoS meetings through the faculties who are members of BoS.

In the period 2016-20, the feedback about UG and PG curriculum was collected from students, teachers and alumni. It was observed that 90 % of them are satisfied with the curriculum.

However, they also made valuable suggestions for updating the syllabus to meet the present challenges and to make it more application to current industrial requirements. They expressed that the syllabus should be designed in such a way that it would help the students to clear competitive exams like GATE, JTO, TSTRANSCO and TSGENCO etc.

The students from rural background wanted soft skill programs to be included in the curriculum to improve their communication skills along with group discussion and personal interview sessions.



Head, ECED.

Muffakham Jah College of Engineering and Technology
Electronics and Communication Engineering Department
Recommendations on Feedback on Curriculum

Based on the feedback obtained from the students of ECE Department, Teachers and Alumni *the following recommendation are being made to the Chairman, BOS of Osmania University.*

1. It is recommended to include programming oriented subjects at various levels in the ECE curriculum. Subjects related to Python programming language, OOPs through Java, Data science and Cloud computing in the curriculum to meet global requirements and job competencies.
2. It is recommended to include advanced subjects like Internet of Things (IoT), Artificial Intelligence, Machine learning and Robotics.
3. It is recommended to include subjects related to technical communication for improvement of oral and written English skills of the students in the technical perspective.


Head, ECED


Muffakham Jah College of Engineering and Technology

Electronics and Communication Engineering Department

Action Taken on the recommendations of feedback from curriculum

Based on the recommendations presented by the department representative in the Board of Studies meeting at Osmania University, the following are the action taken.

1. The subjects of Programming for Problem Solving Theory and Lab are introduced in the second semester.
2. The subject English for Technical Communication has been included in third semester for improvement of technical English.
3. The subject Java Programming has been introduced in sixth semester as a professional elective.
4. The subject fundamentals of IoT with one unit on Python programming has been introduced as an open elective for all branches and the subject Internet of things has been introduced at professional elective in Eighth semester for ECE Department.
5. The subject Mechatronics(fundamentals concepts of Robotics) have been introduced in seventh semester for ECE department as professional elective.


Head, ECED

M.J.C.E.T

Teacher Feedback Form (Design & Review of Syllabus for AY 2018-19)

Assessment Parameter	Total Response	% Yes	% No
The curriculum is up to date and relevant from the point of view of employability.	29	91.67	8.33
The core courses offer an in-depth exposure to the subject.	29	91.67	8.33
Pre-requisite courses/ topics are covered in the curriculum prior to introduction of a course.	29	83.33	16.67
Sufficient practical exposure is provided for the theoretical concepts in the courses.	29	91.67	8.33
Adequate exposure is provided to relevant software.	29	50	50
The courses enhance the analytical/ problem solving/ critical thinking/ innovative skills.	29	83.33	16.67
Summary	<p>Teachers respond concerning to the design of syllabus positively but few subjects and equipments in the curriculum are obsolete and conventional. Advanced software's and additional topics related to current trends in mechanical engineering field has to be upgraded.</p> <p>It is suggested to introduce latest equipment's and software's which are useful for the students in the industry.</p> <p>MEA and subject related to energy and sciences can be included.</p>		
Recommendation	<p>The issue regarding advance courses and software were discussed in departmental meeting and it was resolved to recommend the introduction of the courses like – MEA, FEA and Energy Science & Engineering.</p>		
Action Taken	<p>Recommendations from teachers were discussed in BOS meeting held on 31-8-2019. A subject Managerial Economics and Accountancy (MEA) is introduced in Semester-VII for both mechanical and production students to update their skills towards management and start-ups. In place of MEA in Semester-IV, subject Energy Science and Engineering is replaced. For Production Engineering students FEA course is made mandatory.</p>		



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M.J.C.E.T

Student Feedback Form (Design & Review of Syllabus for AY 2018-19)

Assessment Parameter	Total Response	% Yes	% No
The curriculum is up to date and relevant from the point of view of employability.	42	96.85	13.15
The core courses offer an in-depth exposure to the subject.	42	96.85	13.15
Pre-requisite courses/ topics are covered in the curriculum prior to introduction of a course.	42	84.22	15.78
Sufficient practical exposure is provided for the theoretical concepts in the courses.	42	73.69	26.31
Adequate exposure is provided to relevant software.	42	81.58	18.42
The courses enhance the analytical/ problem solving/ critical thinking/ innovative skills.	42	81.58	18.42
Summary	<ul style="list-style-type: none"> ➤ More lab exercises are needed. ➤ Advance courses need to be included. ➤ Fire safety and welding inspection and HVAC courses to be included. ➤ Latest software to be installed in lab. ➤ Industrial training/ tour is needed. 		
Recommendation	Student committee had a meeting with HOD and suggested the HEAD to have industrial visit included in departmental academic calendar as part of out of curriculum and include the internship as compulsory credit in the curriculum.		
Action Taken	Suggestion from students was discussed in BOS meeting held in MED, OU. Summer Internship is introduced to explore the knowledge of students in current trends of engineering.		

Head, MED

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Alumni Feedback Form (Design & Review of Syllabus for AY 2018-19)

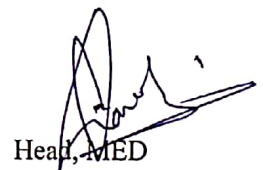
Assessment Parameter	Total Response	% Yes	% No
The current curriculum is relevant and capable of meeting the industry demands.	6	100	0
The core courses offer an in-depth exposure to the subject.	6	100	0
The current curriculum offers adequate exposure to the latest software.	6	100	0
The current curriculum provides enough practical exposure to the underlying theoretical concepts in the courses.	6	100	0
The current curriculum enables the graduates to take up leadership and managerial roles.	2	100	0
The current curriculum facilitates development of analytical/ problem solving/ critical thinking/ innovative skills.	2	100	0
Summary	Well balanced syllabus for knowledge & practical work should be introduced to meet the current market requirements.		
Recommendation	Alumni in their meeting held at MED, MJCET, shared their experience in companies. They recommended the latest and updated software of SolidWorks, ANSYS, MasterCAM to be installed in lab to build a bridge between academic and companies.		
Action Taken	CAE, CAPD and CAME labs including CAM and Production drawings was introduced in Semester-V and Semester-VII for Mechanical and Production branches and few advanced topics CFD analysis is also added in CAE in the syllabus. Use of drafter and drawing system is removed and Computer Drawing & Drafting techniques using AutoCAD is introduced for engineering drawing and machine drawing of components.		

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Parent Feedback Form (Design & Review of Syllabus for AY 2018-19)

Assessment Parameter	Total Response	% Yes	% No
The graduate did not undertake any additional training courses for employment.	3	100	0
The programme equips the graduate to solve day to day problems.	3	66.67	33.33
The programme enables the graduate to take up leadership and managerial roles.	3	33.33	66.67
The programme has prepared the student for higher education / placements.	3	66.67	33.33
Summary	<ul style="list-style-type: none"> ➤ Need Additional training. ➤ Need to improve additional programs which helps student to get through the placements. ➤ Quality of teaching need to be improved. 		
Recommendation	During student counselling process, parents met with class in-charges of their wards and stressed on giving addition training to their wards to get placement in companies and also to conduct some informative classes that make them industry ready.		
Action Taken	Every year all final year students are attending CRT program to build their communication skills and the knowledge required to get placement. MJCET also is collaborated with TASK to provide training to the students.		



Head, MED

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MECHANICAL ENGINEERING DEPARTMENT

Recommendations based on the feedback from the students, alumni, parents and faculty for the mechanical engineering curriculum are

1. To include the subjects like MEA, FEA and Energy Science engineering for the students.
2. To focus more on industrial visits, internships and advance software's to make the students industry ready.
3. Provide training for placements and higher studies entrance tests.



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