MIT ART DESIGN & TECHNOLOGY UNIVERSITY, PUNE

School of Engineering & Sciences

Civil Engineering Department

IQAC

Report on Structured feedback From Stakeholders

2023-24

School of Engineering & Sciences

Civil Engineering Department

Declaration

This is to state that all the Feedback Forms collected from all the stakeholders **(a) Students, (b) Teachers, (c) Employers and (d) Alumni**, for the 'Academic Year' 2023-24, are preserved in the school for record purpose and will be made available to IQAC at any time, when DVV Partner demands to produce it randomly.

The report is prepared based on the Feedback Forms collected from the stakeholders.

MIT ADT U SCHOOL OF ENGG. & SCIENCES
CIVIL ENGG DEPT
PUNE

Department Curriculum Feedback Co-ordinator

IQAC Co-ordinator at School Level
Name of the School

1. Filled in feedback forms

(a) Filled in feedback forms of three students (i) Top Ranker, (ii) Slow Learner (iii) Student from Category, as a representative sample
(b) Filled –in feedback Forms of three Teachers (i) Professor, (ii) Associate Professor (iii) Assistant Professor, as a representative sample
(c) Filled in feedback forms of Parents
(d) Filled –in feedback Forms of three Employers (i) Industry, (ii) Research Organisation (iii) Govt. Sector or NGO.
(e) Filled –in feedback Forms of three Alumni (i) Top Ranker, (ii) Female Student (iii) Student from Category, as a representative samples.

Filled –in feedback Forms

A. STUDENTS

Filled in feedback forms of three Students

1. **Top Ranker**, as a representative sample

Responses cannot be edited

A.Y. 2023-24_NAAC-CR-1 Curriculum Feedback_UG Second Year Civil Engineering

Dear students,
Greetings of the day! Hope all of you are fine. In the view of curriculum development and enhancing the better academic practices, it is necessary to take a view of the students on curriculum. Kindly go through feedback questions on curriculum and mark your valuable contribution.

* Indicates required question

Email *

sujalsuryawanshi08@gmail.com

NAME OF STUDENT: *

Sujal

DIVISION *

S y

NAME OF DEPARTMENT *

Civil Engineering

Students Feedback Questions on

Dear students, read the questions / statement and rate it.

1. How would you rank the curriculum's structure and relevance to real-world conditions (in terms of local, national, regional, and worldwide developmental trends)? *

	1	2	3	4	5	
Poor	○	○	◉	○	○	Excellent

2. Rate the curriculum's alignment with the Programme's Programme Outcomes (POs), Programme Specific Outcomes (PSOs), and Course Outcomes (COs), as well as its mapping with the University's courses. *

	1	2	3	4	5	
Poor	○	○	◉	○	○	Excellent

3. Assess the inclusion of a 'Recent Development/Research Component' and the appropriate balance of theory, practical, and project work, as well as training and internship opportunities with the curriculum. *

	1	2	3	4	5	
Poor	○	○	○	◉	○	Excellent

4. Rate the revision of the syllabus as beneficial to constructive learning and the development of problem-solving abilities. *

	1	2	3	4	5	
Poor	○	◉	○	○	○	Excellent

5. How would you rate the curriculum and its appropriateness in terms of employability and entrepreneurship? *

	1	2	3	4	5	
Poor	○	○	◉	○	○	Excellent

6. Rate the standard / depth of the curriculum offered in terms of the competencies expected by the industry. *

	1	2	3	4	5	
Poor	○	○	◉	○	○	Excellent

7. What new component should be included in the curriculum for bridging the gap between Academia and Industry?

8. Give two strengths of the current syllabus. *

Beneficial scoop on field work

9. Give two observations / suggestions to improve the overall syllabus of the program. *

Nothing

Submitted 12/20/23, 10:57 AM

2. Slow Learner, as a representative sample

Responses cannot be edited

A.Y. 2023-24_NAAC-CR-1 Curriculum Feedback_UG Third Year Civil Engineering

Dear students,
Greetings of the day! Hope all of you are fine. In the view of curriculum development and enhancing the better academic practices, it is necessary to take a view of the students on curriculum. Kindly go through feedback questions on curriculum and mark your valuable contribution.

* Indicates required question

Email *

palveatharva@gmail.com

NAME OF STUDENT: *

Atharva Palve

DIVISION *

Third Year Civil Engineering

NAME OF DEPARTMENT *

Civil Engineering

Students Feedback Questions on

Dear students, read the questions / statement and rate it.

1. How would you rank the curriculum's structure and relevance to real-world conditions (in terms of local, national, regional, and worldwide developmental trends)? *

	1	2	3	4	5	
Poor	○	○	○	◉	○	Excellent

2. Rate the curriculum's alignment with the Programme's Programme Outcomes (POs), Programme Specific Outcomes (PSOs), and Course Outcomes (COs), as well as its mapping with the University's courses. *

	1	2	3	4	5	
Poor	○	○	◉	○	○	Excellent

3. Assess the inclusion of a 'Recent Development/Research Component' and the appropriate balance of theory, practical, and project work, as well as training and internship opportunities with the curriculum. *

	1	2	3	4	5	
Poor	○	○	○	◉	○	Excellent

4. Rate the revision of the syllabus as beneficial to constructive learning and the development of problem-solving abilities. *

	1	2	3	4	5	
Poor	○	○	○	○	◉	Excellent

5. How would you rate the curriculum and its appropriateness in terms of employability and entrepreneurship? *

	1	2	3	4	5	
Poor	○	○	○	○	◉	Excellent

6. Rate the standard / depth of the curriculum offered in terms of the competencies expected by the industry. *

	1	2	3	4	5	
Poor	○	○	◉	○	○	Excellent

7. What new component should be included in the curriculum for bridging the gap between Academia and Industry?

Part-time internships opportunities and flexibility

8. Give two strengths of the current syllabus. *

9. Give two observations / suggestions to improve the overall syllabus of the program. *

3. **Student from Category,** as a representative sample:

Responses cannot be edited

A.Y. 2023-24_NAAC-CR-1 Curriculum Feedback_UG Final Year Civil Engineering

Dear students,
Greetings of the day! Hope all of you are fine. In the view of curriculum development and enhancing the better academic practices, it is necessary to take a view of the students on curriculum. Kindly go through feedback questions on curriculum and mark your valuable contribution.

* Indicates required question

Email *

yadavmalathy@gmail.com

NAME OF STUDENT: *

Malathy yadav

DIVISION *

Civil

NAME OF DEPARTMENT *

Civil Engineering

Students Feedback Questions on

Dear students, read the questions / statement and rate it.

1. How would you rank the curriculum's structure and relevance to real-world conditions (in terms of local, national, regional, and worldwide developmental trends)? *

	1	2	3	4	5	
Poor	○	○	◉	○	○	Excellent

2. Rate the curriculum's alignment with the Programme's Programme Outcomes (POs), Programme Specific Outcomes (PSOs), and Course Outcomes (COs), as well as its mapping with the University's courses. *

	1	2	3	4	5	
Poor	○	○	○	◉	○	Excellent

3. Assess the inclusion of a 'Recent Development/Research Component' and the appropriate balance of theory, practical, and project work, as well as training and internship opportunities with the curriculum. *

	1	2	3	4	5	
Poor	○	○	○	◉	○	Excellent

4. Rate the revision of the syllabus as beneficial to constructive learning and the development of problem-solving abilities. *

	1	2	3	4	5	
Poor	○	○	◉	○	○	Excellent

5. How would you rate the curriculum and its appropriateness in terms of employability and entrepreneurship? *

	1	2	3	4	5	
Poor	○	○	○	◉	○	Excellent

6. Rate the standard / depth of the curriculum offered in terms of the competencies expected by the industry. *

	1	2	3	4	5	
Poor	○	○	○	◉	○	Excellent

7. What new component should be included in the curriculum for bridging the gap between Academia and Industry?

Autocad

8. Give two strengths of the current syllabus. *

Design of prestress concrete

9. Give two observations / suggestions to improve the overall syllabus of the program. *

More software practice needed

Submitted 12/15/23, 10:35 AM

B. Teachers

Filled –in feedback Forms of three Teachers:

(i) **Professor,** as a representative samples:

Responses cannot be edited

Curriculum Feedback (2023-24) - Teaching staff (CIVIL ENGINEERING)

Dear Faculty Members,
Greetings of the day! Hope all of you are fine. In the view of curriculum development and enhancing the better academic practices, it is necessary to take a view of the staff on curriculum. Kindly go through feedback questions on curriculum and mark your valuable contribution.

* Indicates required question

Email *

satish.patil@mituniversity.edu.in

NAME OF STAFF: *

Satish B Patil

Designation *

Professor

Feedback Questions on

Dear Faculty Members, Read the questions / statement and rate it.

1. How would you rank the curriculum's structure and relevance to real-world conditions (in terms of local, national, regional, and worldwide developmental trends)? *

	1	2	3	4	5	
Poor	○	○	○	◉	○	Excellent

2. Rate the curriculum's alignment with the Programme's Programme Outcomes (POs), Programme Specific Outcomes (PSOs), and Course Outcomes (COs), as well as its mapping with the University's courses. *

	1	2	3	4	5	
Poor	○	○	○	◉	○	Excellent

3. Assess the inclusion of a 'Recent Development/Research Component' and the appropriate balance of theory, practical, and project work, as well as training and internship opportunities with the curriculum. *

	1	2	3	4	5	
Poor	○	○	○	◉	○	Excellent

4. Rate the revision of the syllabus as beneficial to constructive learning and the development of problem-solving abilities. *

	1	2	3	4	5	
Poor	○	○	○	○	◉	Excellent

5. How would you rate the curriculum and its appropriateness in terms of employability and entrepreneurship? *

	1	2	3	4	5	
Poor	○	○	○	○	◉	Excellent

6. Rate the standard / depth of the curriculum offered in terms of the competencies expected by the industry. *

	1	2	3	4	5	
Poor	○	○	○	◉	○	Excellent

7. What new component should be included in the curriculum for bridging the gap between Academia and Industry?

Increase the number of site visits for each course, arrange expert lectures by the Industry persons.

8. Do you think that the curriculum has sufficient component based on research? Elaborate. *

No, this component need to include in curriculum at UG level.

9. Give two strengths of the current syllabus. *

1) Industry relevant & 2) Inclusive of fundamental concepts & latest trends as well.

10. Give two observations / suggestions to improve the overall syllabus of the program. *

Equal weightage shall be given to theory & practical

Submitted 4/5/24, 4:26 PM

(ii) **Assistant Professor** - as a representative sample

Responses cannot be edited

Curriculum Feedback (2023-24) - Teaching staff (CIVIL ENGINEERING)

Dear Faculty Members,
Greetings of the day! Hope all of you are fine. In the view of curriculum development and enhancing the better academic practices, it is necessary to take a view of the staff on curriculum. Kindly go through feedback questions on curriculum and mark your valuable contribution.

* Indicates required question

Email *

bhagyashri.patil@mituniversity.edu.in

NAME OF STAFF: *

Bhagyashri Dattatray Patil

Designation *

Assistant Professor

Feedback Questions on

Dear Faculty Members, Read the questions / statement and rate it.

1. How would you rank the curriculum's structure and relevance to real-world conditions (in terms of local, national, regional, and worldwide developmental trends)? *

	1	2	3	4	5	
Poor	○	○	○	◉	○	Excellent

2. Rate the curriculum's alignment with the Programme's Programme Outcomes (POs), Programme Specific Outcomes (PSOs), and Course Outcomes (COs), as well as its mapping with the University's courses. *

	1	2	3	4	5	
Poor	○	○	○	○	◉	Excellent

3. Assess the inclusion of a 'Recent Development/Research Component' and the appropriate balance of theory, practical, and project work, as well as training and internship opportunities with the curriculum. *

	1	2	3	4	5	
Poor	○	○	○	○	◉	Excellent

4. Rate the revision of the syllabus as beneficial to constructive learning and the development of problem-solving abilities. *

	1	2	3	4	5	
Poor	○	○	○	○	◉	Excellent

5. How would you rate the curriculum and its appropriateness in terms of employability and entrepreneurship? *

	1	2	3	4	5	
Poor	○	○	○	◉	○	Excellent

6. Rate the standard / depth of the curriculum offered in terms of the competencies expected by the industry. *

	1	2	3	4	5	
Poor	○	○	○	◉	○	Excellent

7. What new component should be included in the curriculum for bridging the gap between Academia and Industry?

A mandatory industry internship or cooperative education experience to provide students with real-world exposure and practical skills.

8. Do you think that the curriculum has sufficient component based on research? Elaborate. *

Yes, it include research-based components, such as thesis projects, laboratory work, and literature reviews, which allow students to delve into in-depth exploration, critical analysis, and innovation within their field of study.

9. Give two strengths of the current syllabus. *

1. Comprehensive Coverage 2. Flexibility and Adaptability

10. Give two observations / suggestions to improve the overall syllabus of the program. *

1. Integration of Practical Application 2. Interdisciplinary Perspectives

Submitted 4/5/24, 3:19 PM

C. Employers:

Filled –in feedback Forms of Employers

** For the analysis of employer feedback, departmental as well as Training & placement feedback (MITSOE) has been taken into consideration. **

MIT ADT UNIVERSITY

MIT ADT University, School of Engineering
Central Corporate Relations, Training & Placement Cell

Employer Feedback Form

Satisfaction of an industry about the standard of any service is required, for an industry is our prime stakeholder. We, at CN-CRTP, are always enthusiastic to maintain a continuous dialogue with our Industry#Academic partners. We are thankful to you for your valued presence and extending placement support to our students.
We will be grateful to you if you can spare your valuable time to fill out this feedback form that will help us to improve the process further and provide you trained employees in future.

1. Name of Company/Organization: Knest aluform.
2. Name of the evaluating person with designation: Rekha Ramdas Ugalmugale HRBP Manager
3. Postal address : Unit No 802, om chambers, T29/1 Bhosari industrial estate Telco rd, Next to toyota Showroom, Bhosari, Pune - 411026
4. Telephone Number :
5. Mobile Number : 8 9 5 6 3 4 0 4 2 2
6. Email address : rekha.ugalmugale@knestaluform.in
7. To what extent are you satisfied with the students of MIT ADT University, School of Engineering? Please include comments (if any).

How satisfied are you with student/s performance?	Excellent (4)	Very Good (3)	Good (2)	Average (1)	Remark (If any)
Technical Knowledge/ Skill	✓				
Innovativeness/ Creativity		✓			
Communication Skills			✓		
Leadership Qualities		✓			
Behavioral Etiquette	✓				
Response to workplace challenges	✓				
Aptitude Skills		✓			
Overall performance of student/s		✓			
Project Management Skill		✓			

8. Would you like to recruit our students? Yes ☑ No ☐
9. Give suggestions for curriculum improvement. —
10. Any other comments : —

Date: 13 Jan 2023
Place: Pune

Page 1

D. Alumni (Filled-in forms)

Filled –in feedback Forms of three Alumni (UG)

(i) Top Ranker, (ii) Female Student (iii) Student from Category, as a representative sample

(i) Top Ranker,

Curriculum Feedback (Cr-1) Alumni 2022-23 (CIVIL Engineering Department)

Dear Students, (Alumni)
Greetings of the day! Hope all of you are fine. In the view of curriculum development and enhan kocing the better academic practices, it is necessary to take a view of the students on curriculum. Kindly go through feedback questions on curriculum and mark your valuable contribution.

Email *

suyogdangat505@gmail.com

NAME OF STUDENT: *

Suyog Sahebrao Dangat

NAME OF DEPATMENT: *

Civil Engineering

PROGRAM *

- ○ B.Tech.
- ◉ M.Tech.

Students Feedback Questions on

Dear students, read the questions / statement and rate it.

1. How would you rank the curriculum's structure and relevance to real-world conditions (in terms of local, national, regional, and worldwide developmental trends)? *

Poor

- 1 ○
- 2 ○
- 3 ◉
- 4 ○
- 5 ○

Excellent

2. Rate the curriculum's alignment with the Programme's Programme Outcomes (POs), Programme Specific Outcomes (PSOs), and Course Outcomes (COs), as well as its mapping with the University's courses. *

Poor

- 1 ○
- 2 ○
- 3 ◉
- 4 ○
- 5 ○

Excellent

3. Assess the inclusion of a 'Recent Development/Research Component' and the appropriate balance of theory, practical, and project work, as well as training and internship opportunities with the curriculum. *

Poor

1 ○

2 ◉

3 ○

4 ○

5 ○

Excellent

4. Rate the revision of the syllabus as beneficial to constructive learning and the development of problem-solving abilities. *

Poor

1 ○

2 ○

3 ◉

4 ○

5 ○

Excellent

5. How would you rate the curriculum and its appropriateness in terms of employability and entrepreneurship? *

Poor

1 ○

2 ○

3 ◉

4 ○

5 ○

Excellent

6. Rate the standard / depth of the curriculum offered in terms of the competencies expected by the industry. *

Poor

1 ○

2 ○

3 ○

4 ◉

5 ○

Excellent

7. What new component should be included in the curriculum for bridging the gap between Academia and Industry?

Important software Teaching

8. Give two strengths of the current syllabus. *

.

9. Give two observations / suggestions to improve the overall syllabus of the program. *

.

(ii) Female Student (filled in-form):

Curriculum Feedback (Cr-1) Alumni 2022-23 (CIVIL Engineering Department)

Dear Students, (Alumni)
Greetings of the day! Hope all of you are fine. In the view of curriculum development and enhan kocing the better academic practices, it is necessary to take a view of the students on curriculum. Kindly go through feedback questions on curriculum and mark your valuable contribution.

Email *

samradnimulay@gmail.com

NAME OF STUDENT: *

Samradni Santosh Mulay

NAME OF DEPATMENT: *

Civil engineering

PROGRAM *

- ○ B.Tech.
- ◉ M.Tech.

Students Feedback Questions on

Dear students, read the questions / statement and rate it.

1. How would you rank the curriculum's structure and relevance to real-world conditions (in terms of local, national, regional, and worldwide developmental trends)? *

Poor

- 1 ○
- 2 ○
- 3 ○
- 4 ○
- 5 ◉

Excellent

2. Rate the curriculum's alignment with the Programme's Programme Outcomes (POs), Programme Specific Outcomes (PSOs), and Course Outcomes (COs), as well as its mapping with the University's courses. *

Poor

- 1 ○
- 2 ○
- 3 ○
- 4 ○
- 5 ◉

Excellent

3. Assess the inclusion of a 'Recent Development/Research Component' and the appropriate balance of theory, practical, and project work, as well as training and internship opportunities with the curriculum. *

Poor

- 1 ○
- 2 ○
- 3 ○
- 4 ○
- 5 ◉

Excellent

4. Rate the revision of the syllabus as beneficial to constructive learning and the development of problem-solving abilities. *

Poor

- 1 ○
- 2 ○
- 3 ○
- 4 ○
- 5 ◉

Excellent

5. How would you rate the curriculum and its appropriateness in terms of employability and entrepreneurship? *

Poor

1 ○

2 ○

3 ○

4 ○

5 ◉

Excellent

6. Rate the standard / depth of the curriculum offered in terms of the competencies expected by the industry. *

Poor

1 ○

2 ○

3 ○

4 ○

5 ◉

Excellent

7. What new component should be included in the curriculum for bridging the gap between Academia and Industry?

8. Give two strengths of the current syllabus. *

Highway design and traffic planning

9. Give two observations / suggestions to improve the overall syllabus of the program. *

Inclusion of railway and qirport engineering

(iii) Student from Category,

Curriculum Feedback (Cr-1) Alumni 2022-23 (CIVIL Engineering Department)

Dear Students, (Alumni)
Greetings of the day! Hope all of you are fine. In the view of curriculum development and enhan kocing the better academic practices, it is necessary to take a view of the students on curriculum. Kindly go through feedback questions on curriculum and mark your valuable contribution.

Email *

mansirsangle40@gmail.com

NAME OF STUDENT: *

Mansi Rajesh Sangle

NAME OF DEPATMENT: *

Civil Engineering

PROGRAM *

- ○ B.Tech.
- ◉ M.Tech.

Students Feedback Questions on

Dear students, read the questions / statement and rate it.

1. How would you rank the curriculum's structure and relevance to real-world conditions (in terms of local, national, regional, and worldwide developmental trends)? *

Poor

- 1 ○
- 2 ○
- 3 ○
- 4 ○
- 5 ◉

Excellent

2. Rate the curriculum's alignment with the Programme's Programme Outcomes (POs), Programme Specific Outcomes (PSOs), and Course Outcomes (COs), as well as its mapping with the University's courses. *

Poor

- 1 ○
- 2 ○
- 3 ○
- 4 ◉
- 5 ○

Excellent

3. Assess the inclusion of a 'Recent Development/Research Component' and the appropriate balance of theory, practical, and project work, as well as training and internship opportunities with the curriculum. *

Poor

- 1 ○
- 2 ○
- 3 ○
- 4 ◉
- 5 ○

Excellent

4. Rate the revision of the syllabus as beneficial to constructive learning and the development of problem-solving abilities. *

Poor

- 1 ○
- 2 ○
- 3 ○
- 4 ◉
- 5 ○

Excellent

5. How would you rate the curriculum and its appropriateness in terms of employability and entrepreneurship? *

Poor

- 1 ○
- 2 ○
- 3 ○
- 4 ◉
- 5 ○

Excellent

6. Rate the standard / depth of the curriculum offered in terms of the competencies expected by the industry. *

Poor

- 1 ○
- 2 ○
- 3 ○
- 4 ◉
- 5 ○

Excellent

7. What new component should be included in the curriculum for bridging the gap between Academia and Industry?

Online learning

8. Give two strengths of the current syllabus. *

Learning, confidence building

9. Give two observations / suggestions to improve the overall syllabus of the program. *

Not needed as syllabus is itself best

Analysis of feedback forms

2. **Analysis of Feedback with Graphical Representation**

A] Students

I. Details of number of students and responses obtained course wise

Total number of students enrolled in B.Tech. [Second, Third & Fourth Year]	102
Total number of feedback obtained	57

Total number of students enrolled in M.Tech. [Structural, , Third & Fourth Year]	90
Total number of feedback obtained	45

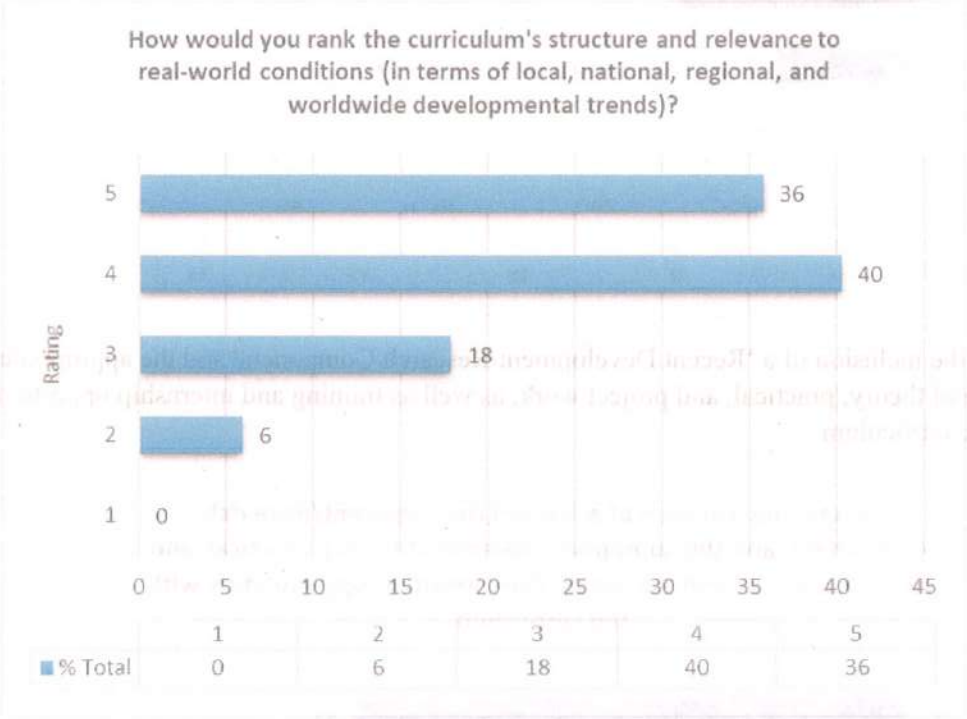
Colour code index for ratings

Excellent	Very Good	Good	Fair	Poor

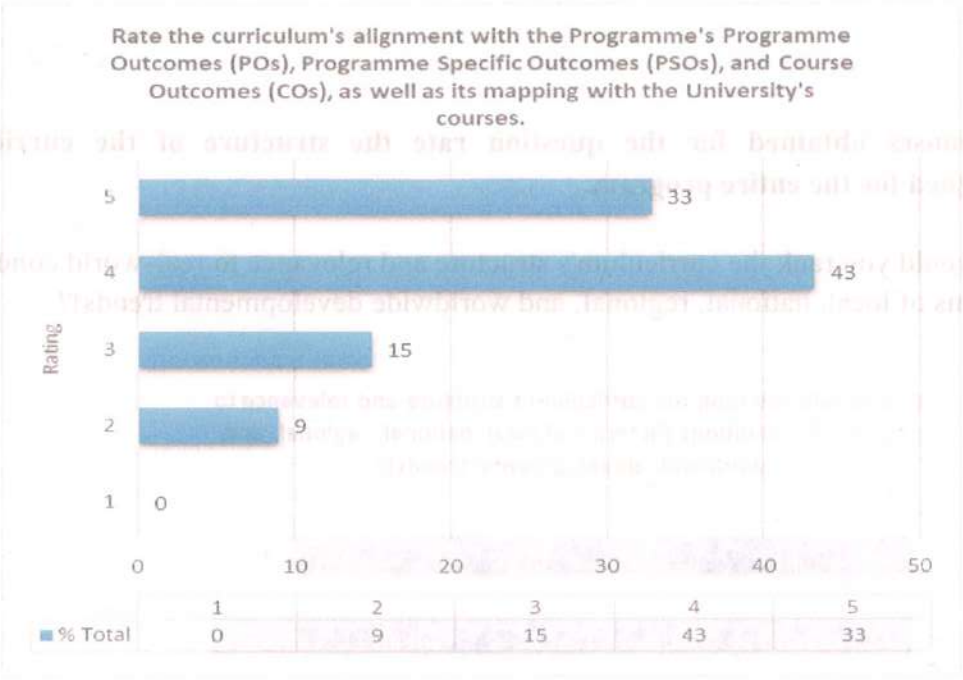
Students

I. Responses obtained for the question rate the structure of the curriculum designed for the entire program.

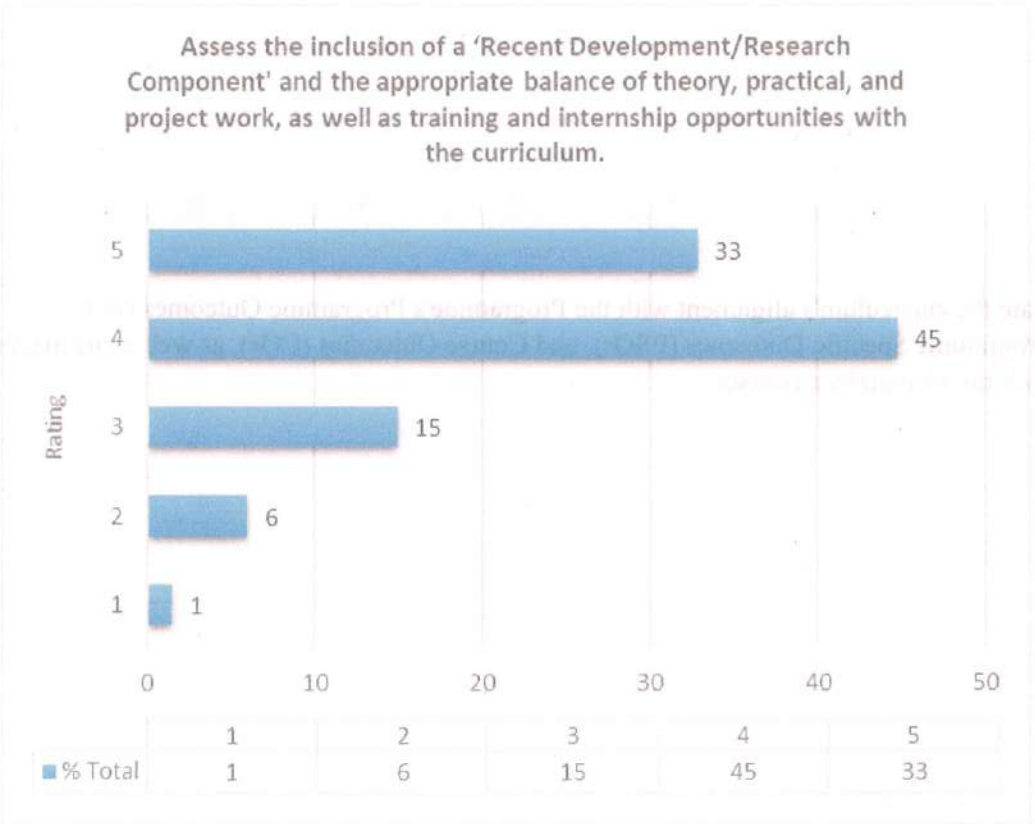
1. How would you rank the curriculum's structure and relevance to real-world conditions (in terms of local, national, regional, and worldwide developmental trends)?



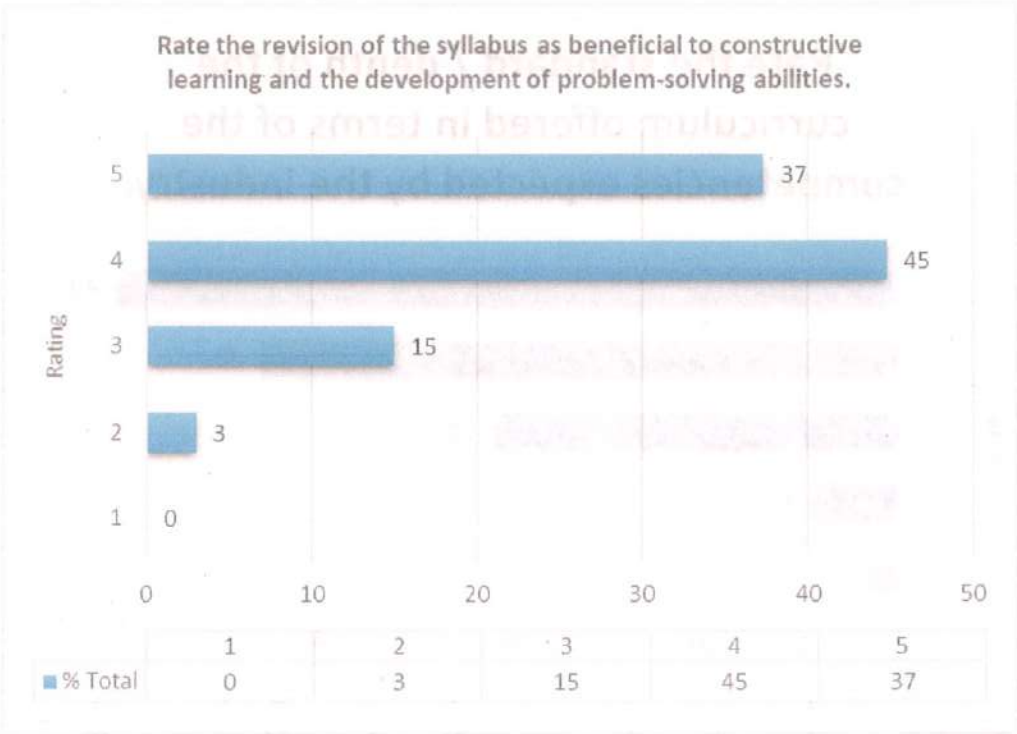
2. Rate the curriculum's alignment with the Programme's Programme Outcomes (POs), Programme Specific Outcomes (PSOs), and Course Outcomes (COs), as well as its mapping with the University's courses.



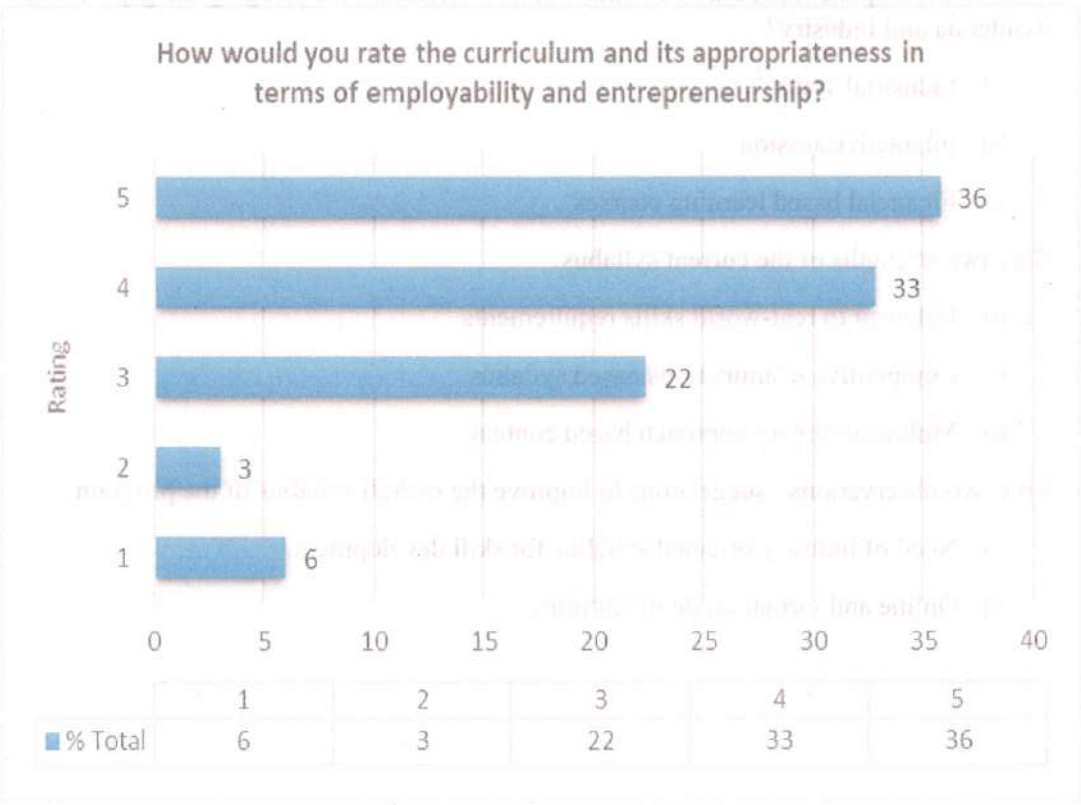
3. Assess the inclusion of a 'Recent Development/Research Component' and the appropriate balance of theory, practical, and project work, as well as training and internship opportunities with the curriculum.



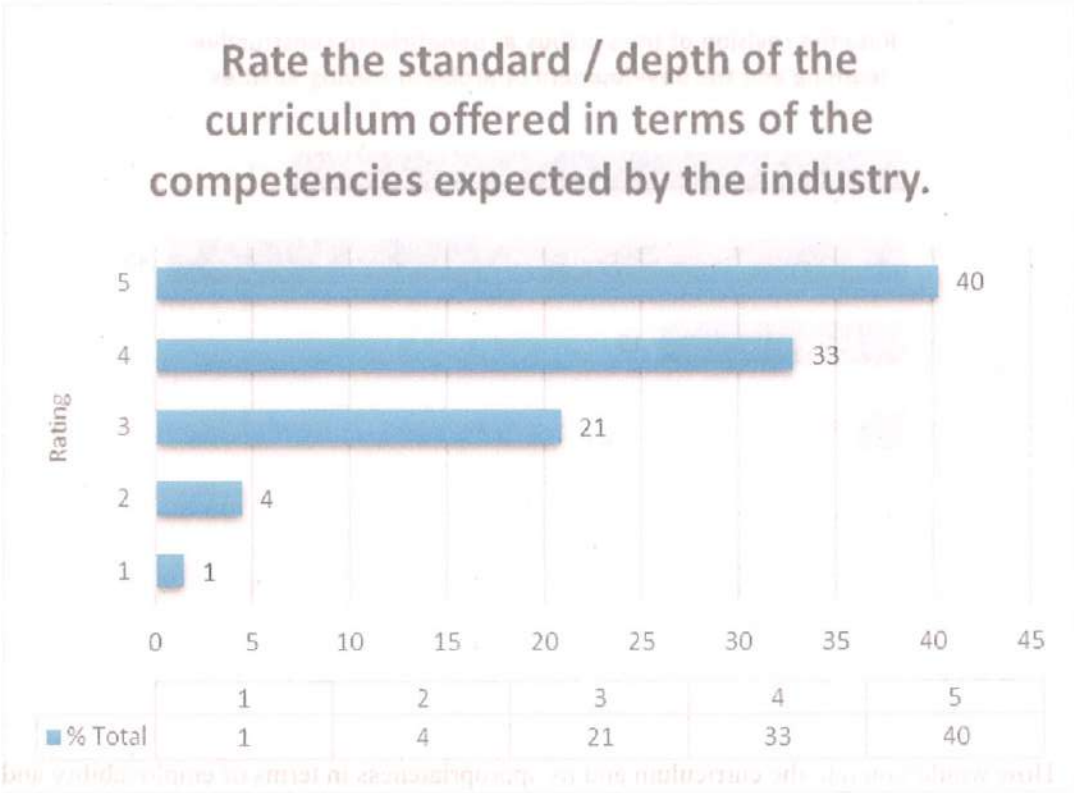
4. Rate the revision of the syllabus as beneficial to constructive learning and the development of problem-solving abilities.



5. How would you rate the curriculum and its appropriateness in terms of employability and entrepreneurship?



6. Rate the standard / depth of the curriculum offered in terms of the competencies expected by the industry.



7. What new component should be included in the curriculum for bridging the gap between Academia and Industry?
    a) Industrial visits
    b) Interactive session
    c) Financial based learning courses
8. Give two strengths of the current syllabus.
    a) Relevant to real-world skills requirements
    b) Competitive examinations based syllabus
    c) Multidisciplinary approach based content
9. Give two observations / suggestions to improve the overall syllabus of the program.
    a) Need of industry oriented syllabus for skill development.
    b) Online and virtual mode of learning.

Alumni

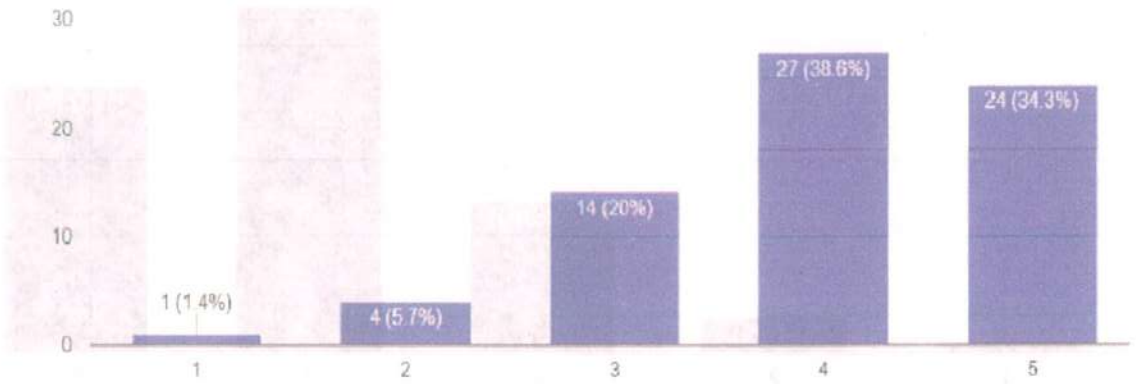
BJ Alumni

I. Rate the structure of the curriculum designed for the entire program.

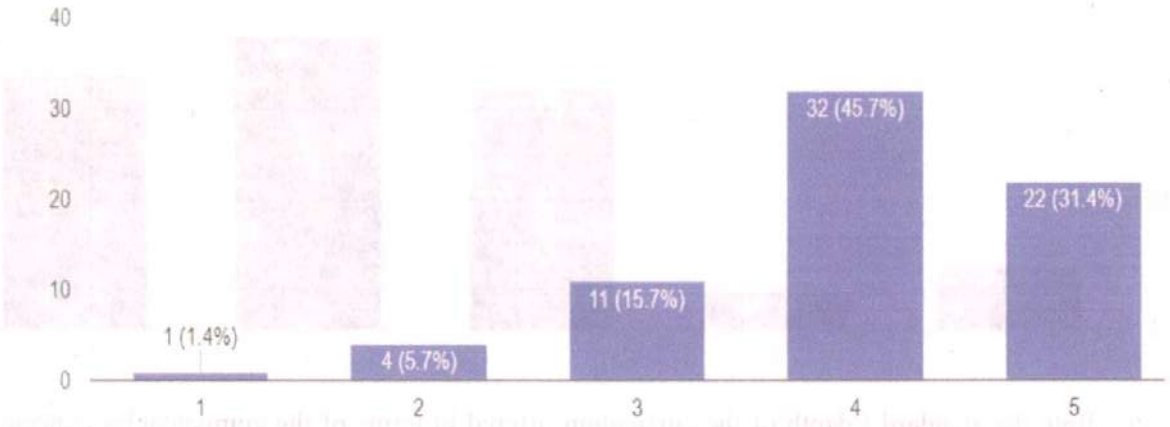
Details of number of students and responses obtained course wise

Total number of Alumni in AY 2023-24	123
Total number of feedback obtained	70

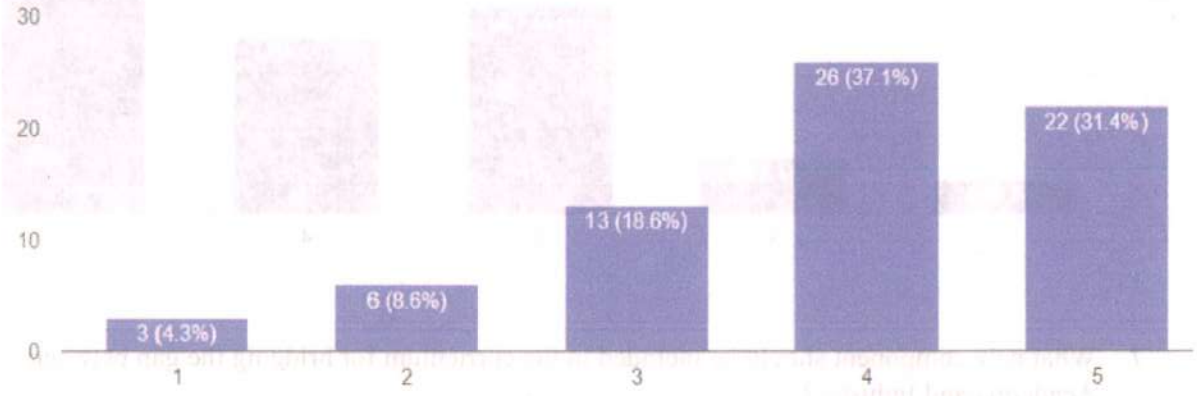
1. How would you rank the curriculum's structure and relevance to real-world conditions (in terms of local, national, regional, and worldwide developmental trends)?



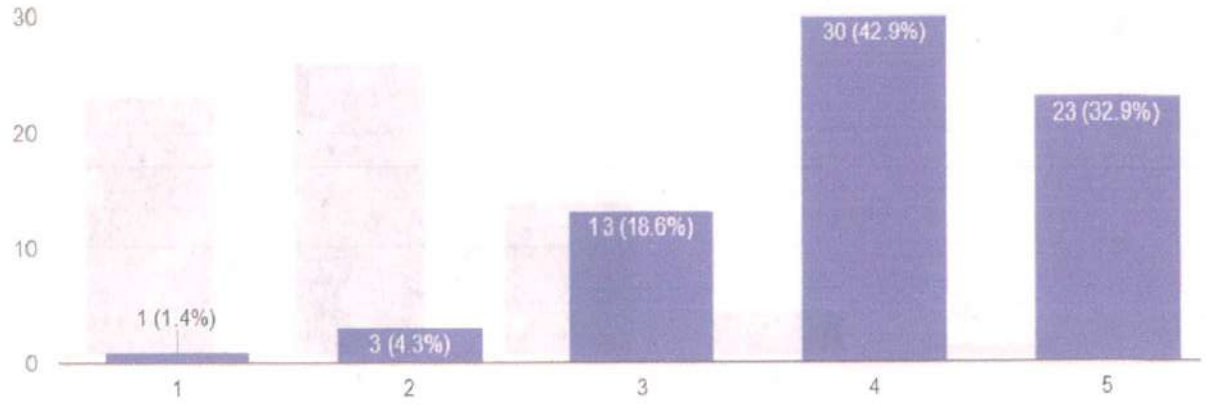
2 Rate the curriculum's alignment with the Programme's Programme Outcomes (POs), Programme Specific Outcomes (PSOs), and Course Outcomes (COs), as well as its mapping with the University's courses.



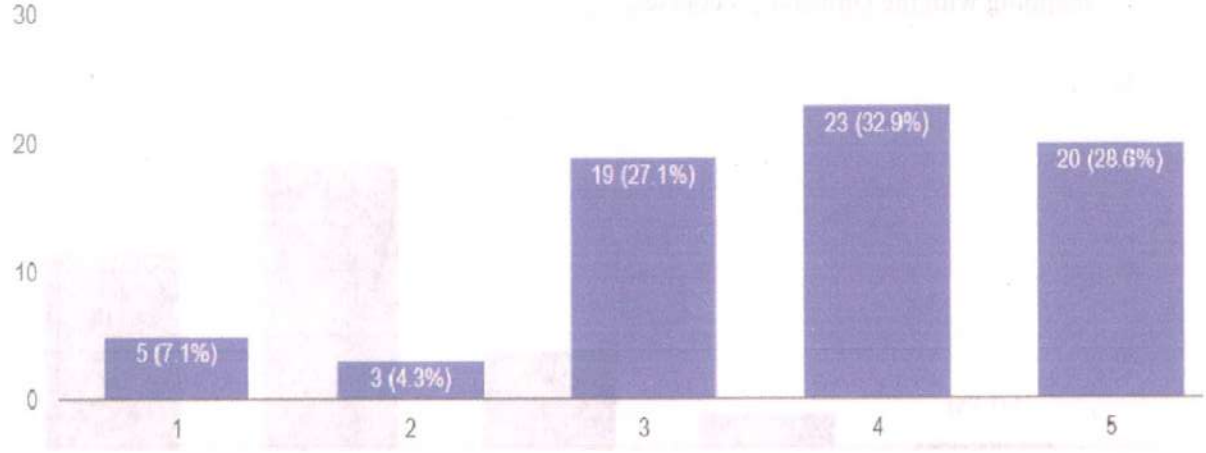
3 Assess the inclusion of a 'Recent Development/Research Component' and the appropriate balance of theory, practical, and project work, as well as training and internship opportunities with the curriculum.



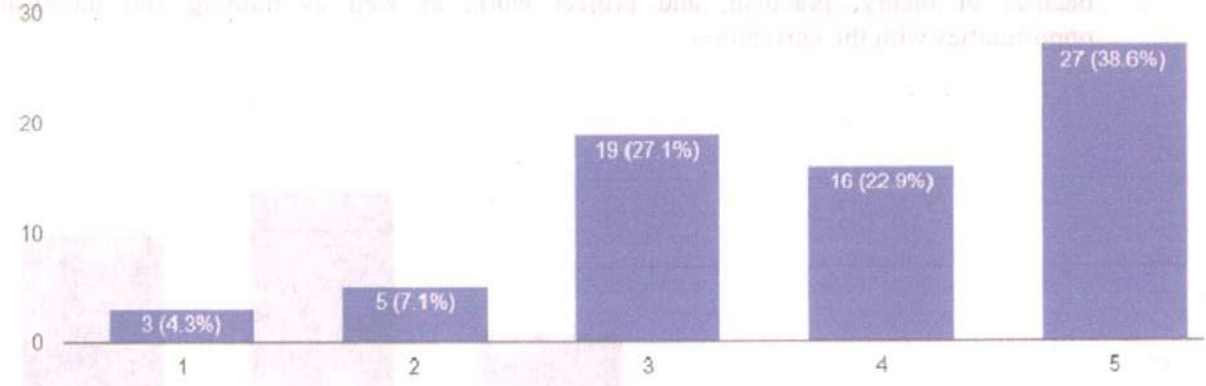
4 Rate the revision of the syllabus as beneficial to constructive learning and the development of problem-solving abilities.



5 How would you rate the curriculum and its appropriateness in terms of employability and entrepreneurship?



6 Rate the standard / depth of the curriculum offered in terms of the competencies expected by the industry.



7 What new component should be included in the curriculum for bridging the gap between Academia and Industry?

Suggestions revolving around themes:
• More industrial visits for practical knowledge

- Software based academic curriculum
- Testing laboratory should be maintained with all adequate testing equipments.

8 Give two strengths of the current syllabus

Suggestions revolving around themes:

- As per industry requirements
- Great balance between theoretical, analytical studies and software.
- Updated and well structured

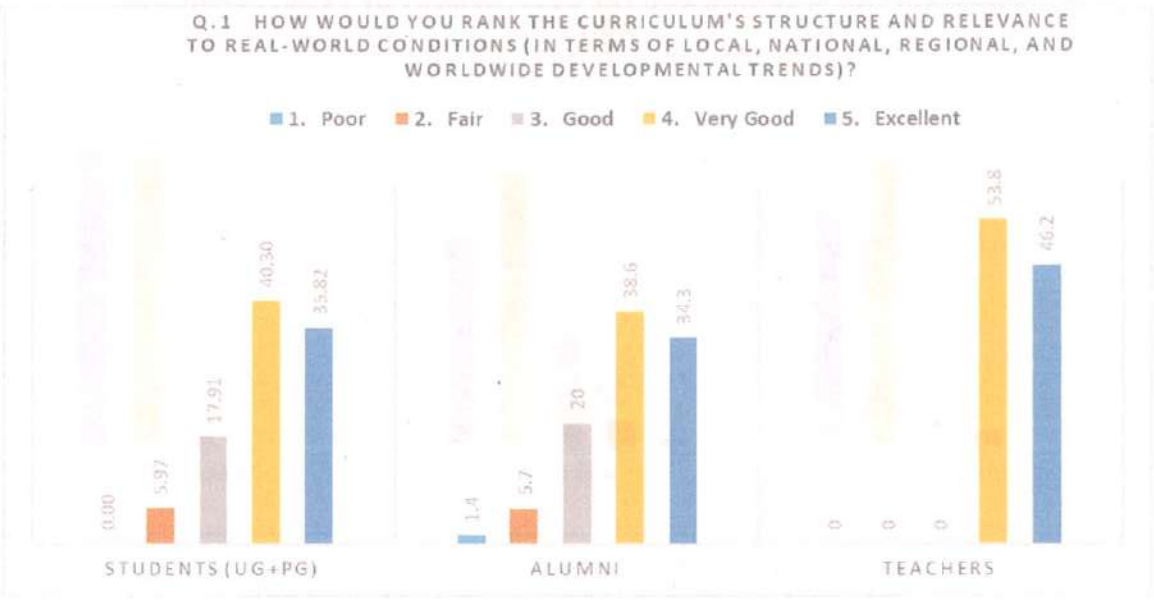
9 Give two observations / suggestions to improve the overall syllabus of the program.

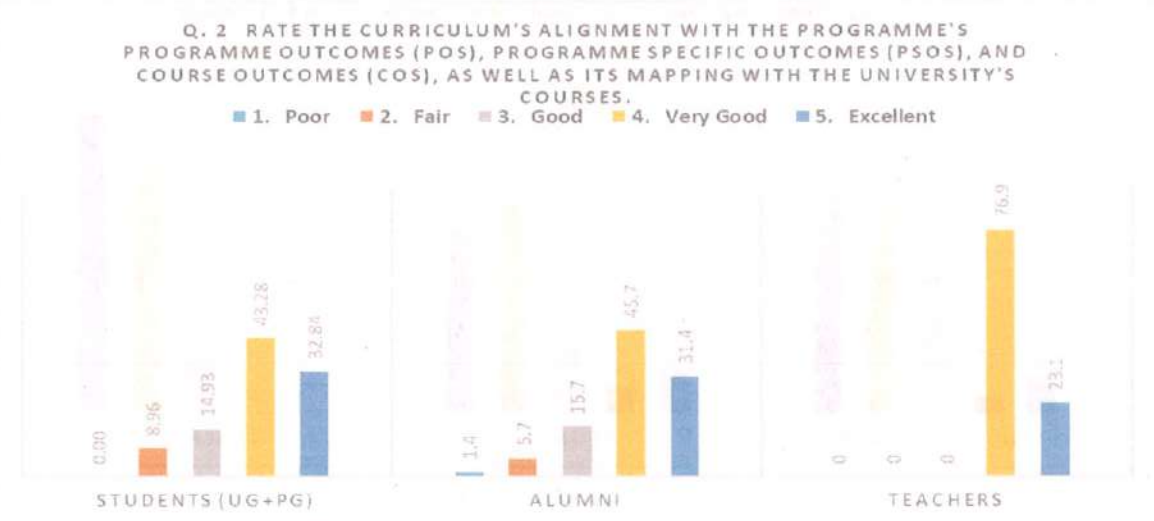
Suggestions revolving around themes:

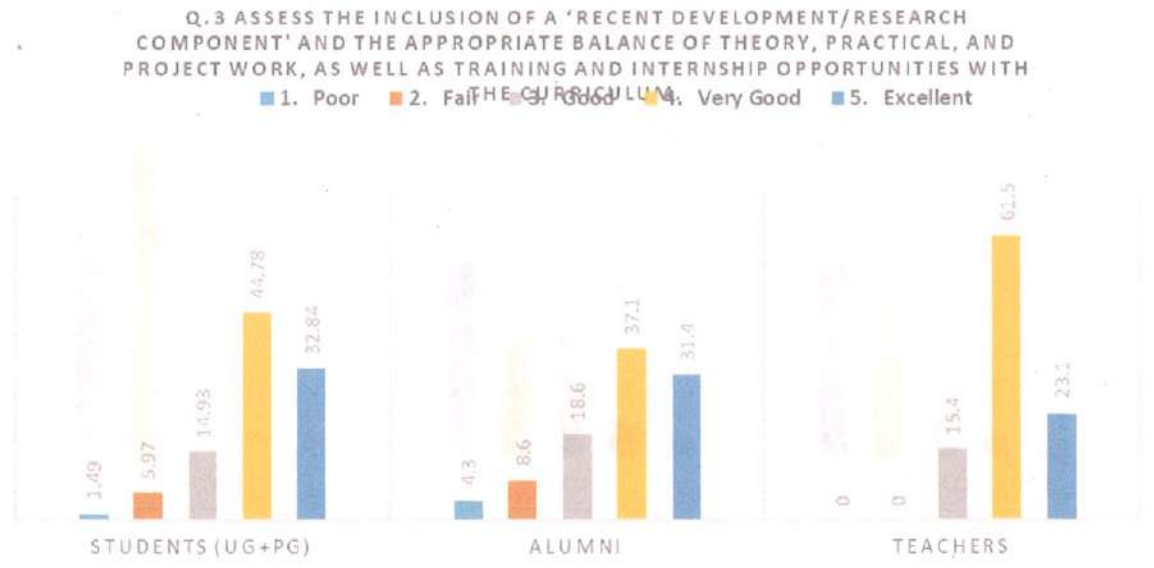
- Inclusion of railway and airport engineering
- Inclusion of software and more emphasis on practical
- Need to include study on tall or high rise building structure for M. Tech

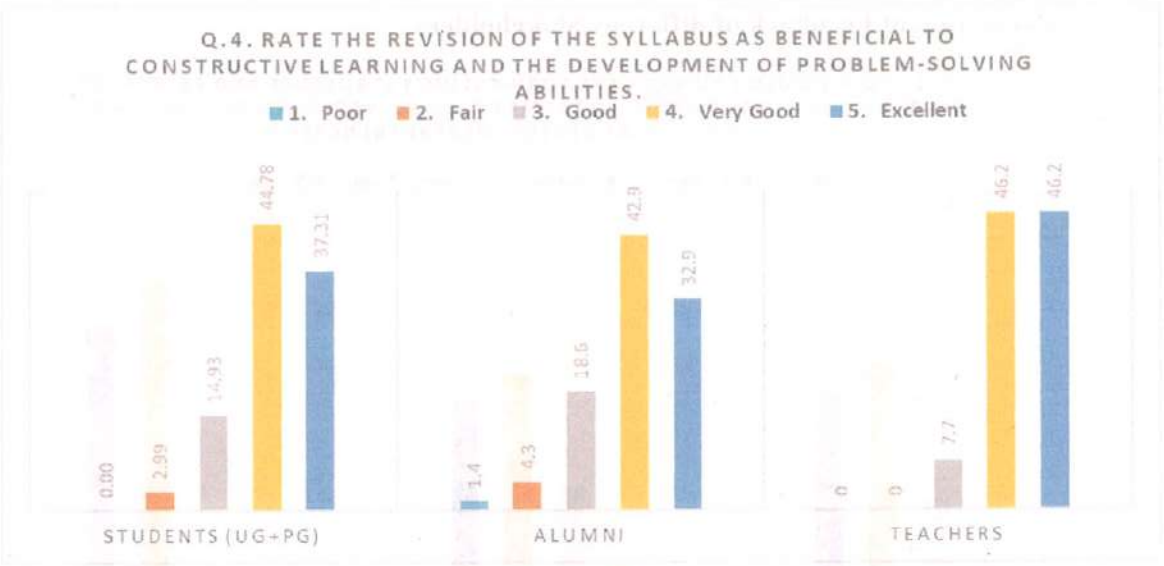
Comparison of Feedback of different Stakeholders & Pertinent Pointers

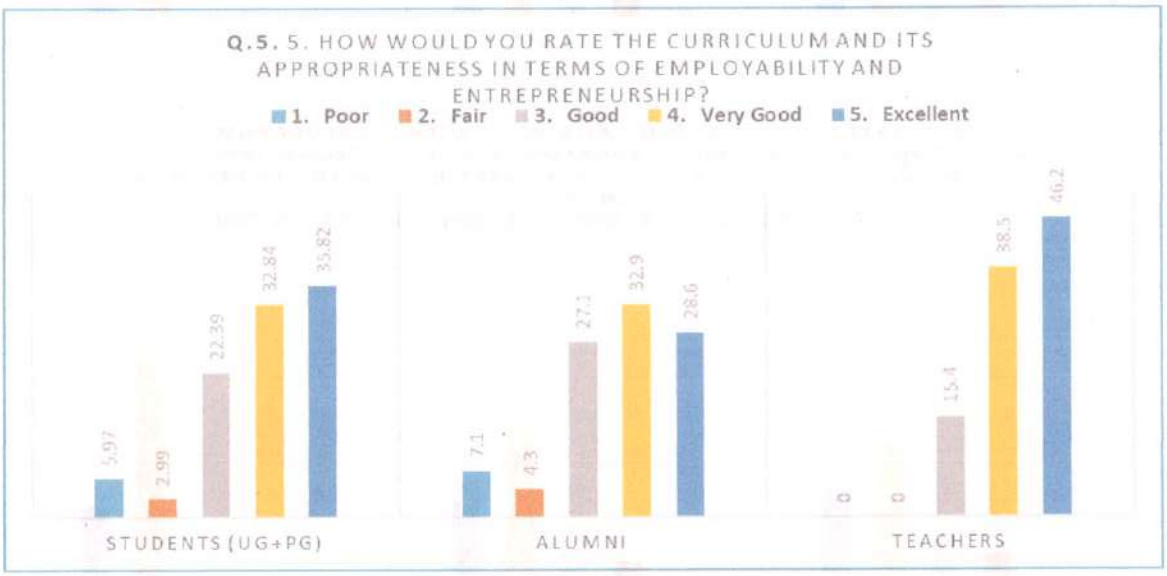
3. Comparison of Feedback of different Stakeholders

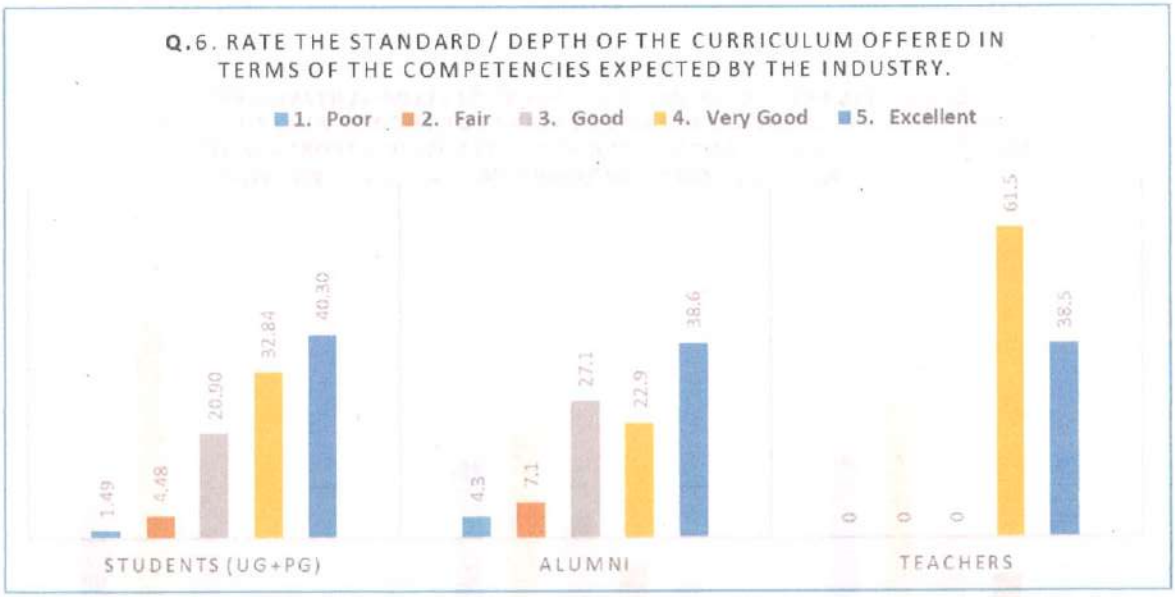


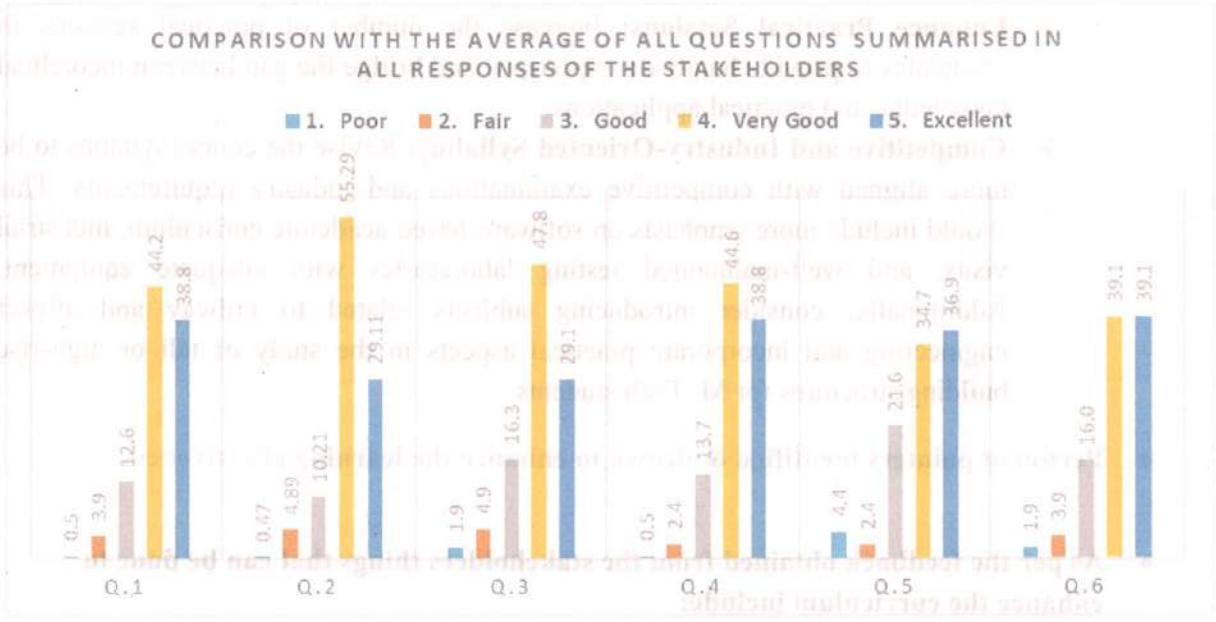


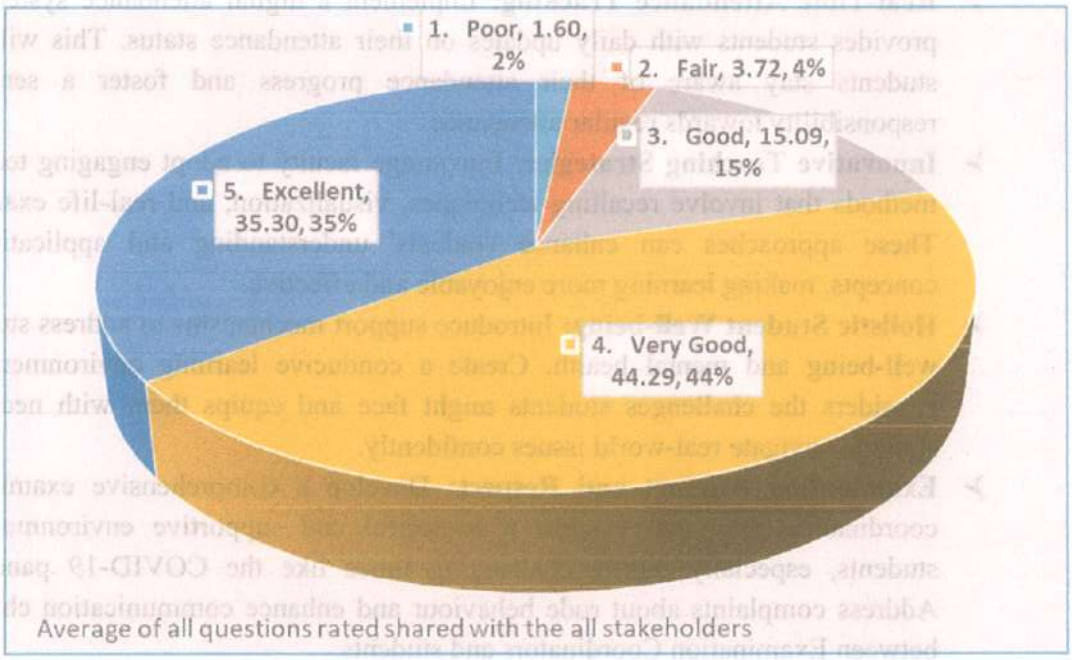



Q.4. RATE THE REVISION OF THE SYLLABUS AS BENEFICIAL TO CONSTRUCTIVE LEARNING AND THE DEVELOPMENT OF PROBLEM-SOLVING ABILITIES.
1. Poor
2. Fair
3. Good
4. Very Good
5. Excellent
0.00
2.99
14.93
44.78
37.31
1.4
4.3
18.6
42.9
32.9
0
0
7.7
46.2
46.2
STUDENTS (UG+PG)
ALUMNI
TEACHERS


Q.5. 5. HOW WOULD YOU RATE THE CURRICULUM AND ITS APPROPRIATENESS IN TERMS OF EMPLOYABILITY AND ENTREPRENEURSHIP?
1. Poor
2. Fair
3. Good
4. Very Good
5. Excellent
5.97
2.99
22.39
32.84
35.82
7.1
4.3
27.1
32.9
28.6
0
0
15.4
38.5
46.2
STUDENTS (UG+PG)
ALUMNI
TEACHERS


Q.6. RATE THE STANDARD / DEPTH OF THE CURRICULUM OFFERED IN TERMS OF THE COMPETENCIES EXPECTED BY THE INDUSTRY.
1. Poor
2. Fair
3. Good
4. Very Good
5. Excellent
1.49
4.48
20.90
32.84
40.30
4.3
7.1
27.1
22.9
38.6
0
0
0
61.5
38.5
STUDENTS (UG+PG)
ALUMNI
TEACHERS





- **As per the feedback obtained from the stakeholders it can be understood that:**
  - **Regular Attendance Updates:** Ensure that students receive daily updates on their attendance to help them track their progress and maintain discipline in attendance.
  - **Engaging and Pragmatic Teaching Approach:** Implement teaching methods that incorporate recalling techniques, visualization, and real-life experiences to make the learning process more interesting and applicable. Consider the well-being of students to equip them with the skills to tackle real-world challenges and engage them in research and discussions.
  - **Improve Examination Coordination:** Address complaints regarding the rude behavior and lack of support from Examination Coordinators, especially during challenging times like the COVID-19 pandemic, to create a more supportive and respectful examination environment.

- **Enhance Practical Sessions:** Increase the number of practical sessions in academics to provide hands-on experience and bridge the gap between theoretical knowledge and practical applications.
- **Competitive and Industry-Oriented Syllabus:** Revise the course syllabus to be more aligned with competitive examinations and industry requirements. This should include more emphasis on software-based academic curriculum, industrial visits, and well-maintained testing laboratories with adequate equipment. Additionally, consider introducing subjects related to railway and airport engineering and incorporate practical aspects in the study of tall or high-rise building structures for M. Tech students.

4. Pertinent pointers identified & drawn to enhance the learning effectiveness

- **As per the feedback obtained from the stakeholders things that can be done to enhance the curriculum include:**
  - **Real-Time Attendance Tracking:** Implement a digital attendance system that provides students with daily updates on their attendance status. This will help students stay aware of their attendance progress and foster a sense of responsibility towards regular attendance.
  - **Innovative Teaching Strategies:** Encourage faculty to adopt engaging teaching methods that involve recalling techniques, visualization, and real-life examples. These approaches can enhance students' understanding and application of concepts, making learning more enjoyable and effective.
  - **Holistic Student Well-being:** Introduce support mechanisms to address students' well-being and mental health. Create a conducive learning environment that considers the challenges students might face and equips them with necessary skills to navigate real-world issues confidently.
  - **Examination Support and Respect:** Develop a comprehensive examination coordination plan that ensures a respectful and supportive environment for students, especially during challenging times like the COVID-19 pandemic. Address complaints about rude behaviour and enhance communication channels between Examination Coordinators and students.
  - **Promote Hands-On Learning:** Increase the number of practical sessions across academic disciplines. Hands-on experiences facilitate better comprehension and retention of knowledge, allowing students to bridge the gap between theory and application effectively.
  - **Industry-Relevant Curriculum:** Collaborate with industry experts to update the course syllabus in line with current competitive examinations and industry demands. This should involve incorporating software-based academic modules, arranging more industrial visits, and maintaining well-equipped testing laboratories.
  - **Introduce Specialized Subjects:** Consider introducing subjects related to railway and airport engineering to provide students with exposure to diverse fields and career paths. Additionally, incorporate practical aspects of studying tall or high-rise building structures for M. Tech students, enhancing their skills for the real-world engineering challenges.

- **Faculty Development Programs:** Organize regular faculty development workshops to equip instructors with the latest teaching methodologies and technology. This will empower them to deliver high-quality education and engage students effectively.
- **Student Feedback Mechanism:** Establish a structured and anonymous feedback system that encourages students to share their opinions, suggestions, and concerns about the learning process. Use this feedback to continually improve the educational experience.
- **Interdisciplinary Learning Opportunities:** Promote interdisciplinary learning by organizing joint sessions or projects between different departments. This will foster a well-rounded education, enabling students to make connections between various subjects.

By implementing these pertinent pointers, the institution can enhance the learning effectiveness and overall educational experience for both students and alumni.

Department of Civil Engineering

Communication letter of 'Action Taken' for curriculum feedback received from stakeholders for A.Y. 2023-24:

The feedback is taken from the stakeholders (Students, Alumni, Faculties & Employer) and analysed by the committee including curriculum feedback coordinators, Academic monitoring committee, Domain coordinators. Later, a faculty meeting is organized to incorporate the modification of syllabus with consultation of subject teachers. Further the following observations forwarded to take the further action in BoS.

- **Integrating Interview Facing Skills:** Enhance the curriculum to include a comprehensive module on interview preparation, communication, and presentation skills to better equip students for their future job interviews.
- **Empowering Entrepreneurship and Administrative Skills:** Introduce a dedicated course that focuses on fostering entrepreneurship and essential administrative skills, empowering students to explore and pursue their own ventures.
- **Promoting Counselling and Well-being:** Implement a mandatory subject on counselling and mental well-being to support students' emotional and psychological growth throughout their academic journey.
- **Enhancing Industry Relevance:** Introduce more field trips and hands-on experiences aligned with industry requirements, enabling students to gain practical knowledge and exposure. Foster funded research collaborations with industries to bridge the gap between academia and real-world challenges.
- **Strengthening Communication and Interpersonal Skills:** Incorporate a course dedicated to improving communication, collaboration, and interpersonal skills, essential for personal and professional development.
- **Industry Expert Involvement**: Engage industry experts in student projects to provide valuable insights and enhance industry understanding through activities like workshops, webinars, guest lectures, and conferences.
- **Enriching Internship Opportunities:** Establish partnerships with industries to provide students with hands-on training and diverse internship opportunities in their respective domains.
- **Aligning Syllabus with Competitive Exams:** Ensure the syllabus content includes numerical treatments compatible with competitive exams like GATE/IES, preparing students for wider career prospects.
- **Strengthening SCIL (Logical, Critical, Creative Skills):** Incorporate a subject dedicated to fostering logical, critical, creative thinking, and problem-solving skills to develop well-rounded professionals.
- **Integrating Emerging Software Technologies:** Introduce relevant software courses to familiarize students with the latest tools and technologies essential in the industry.

- **Promoting Sponsored Research Projects:** Increase the number of sponsored research projects, including industrial case studies, to encourage continuous improvement in research work and facilitate collaboration with industries.
- **Augmenting Industry Understanding**: Organize Value-Added Programs (VAP), webinars, workshops, and guest lectures by industry experts to deepen students' understanding of industry trends and demands.
- **Reintroducing Essential Basic Subjects:** Reinstate subjects like applied mechanics and engineering drawing, as they form the foundation for many engineering disciplines.
- **Introducing Continuous Industrial Concepts:** Infuse industrial-oriented concepts and basics into the regular syllabus rather than relying solely on external workshops.
- **Recognizing Online Certification Courses:** Provide weightage to online certification courses offered by reputed platforms like NPTEL and Coursera, acknowledging the value of continuous learning.
- **Examination Support and Respect:** Develop a comprehensive examination coordination plan that ensures a respectful and supportive environment for students, especially during challenging times like the COVID-19 pandemic. Address complaints about rude behaviour and enhance communication channels between Examination Coordinators and students.
- **Evaluating Internships and Training:** Incorporate grades and evaluation for internships and training, recognizing their importance in practical skill development and bridging the gap between theory and practice.

Curriculum feedback coordinators
DUGC/DPGC

HOD

MIT ADTU SCHOOL OF ENGG. & SCIENCES
CIVIL ENGG. DEPT
PUNE

Date: 31 May 2024

Department of Civil Engineering

Planning the Revision for updating the Syllabus as per action taken report on curriculum Feedback of A.Y. 2023-24:

Following pertaining pointers will be discussed in the 11th BoS meeting, which is scheduled on 21st April 2023.

1) Project-based activities can be enhanced with the inclusion of industry experts and their involvement as a 'industry mentor' to increase industry connect. By forming industry panels, UG projects (mini and major) can seek domain-specific expert guidance. Innovative projects will be encouraged to the CRIEYA.

2) Industry visits, Field trips, Webinars, Workshops, conferences, and value-added programs are scheduled on an as-needed basis. Response to VAPs is sometimes limited due to fee issues.

3) Communication skills are part of syllabus in 1st year. Many soft skills related to interviews are being taught in SHD and SCIL as a part of curriculum.

4) Many collaborations have been formed with different sectors of industry and academia, and many more are currently in the pipeline. Any student can benefit in terms of job opportunities, internships, and admittance to master's programs / research.

5) As suggestion given by stakeholders following points are incorporated in 13th BoS meeting. Faculties and students [Preferably PG, PhD] can undertake the MOOC courses through NPTEL, COURSERA, etc to well equip with the recent technologies.

    a. The BoS committee recommended that UG students can take electives from MOOC, NPTEL, or Coursera.

    b. The BoS committee also recommended changing the audit course to a credit course for Research Methodology and the IPR course.

6) Discuss the scope of incorporation of grades and evaluation for internships and training, recognizing their importance in practical skill development and bridging the gap between theory and practice.

The modified syllabus is kept for approval from BOS, if any suggestion from BOS members will be incorporated in the syllabus. After passing through BOS, the syllabus forwarded to the Academic Council for approval

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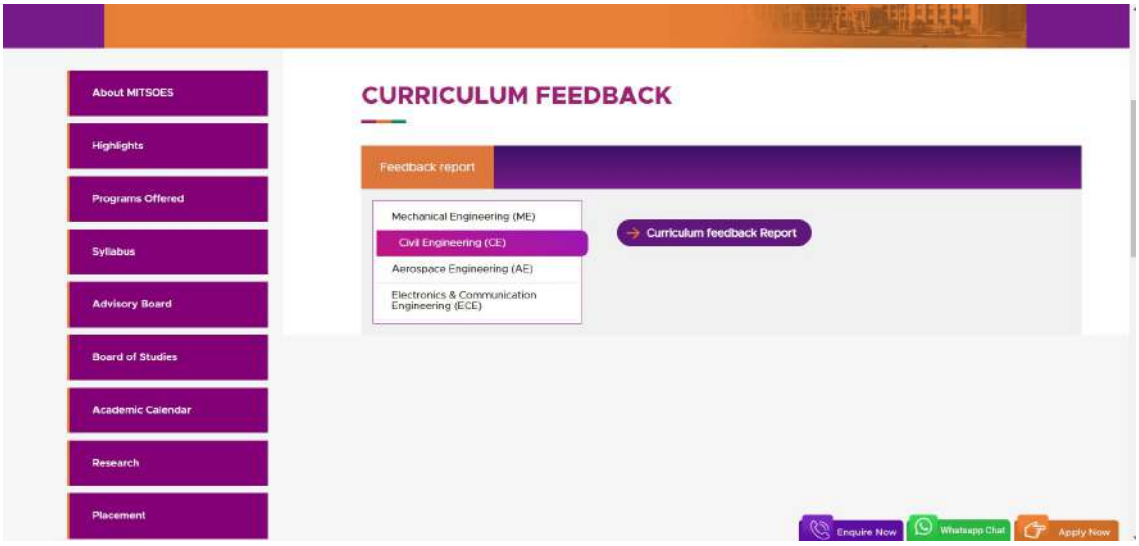
HOD & BOS-CHAIRMAN

Conclusion:

The report consists of the feedback taken from different stakeholders, analysis and action taken on the pertinent pointers obtained for the A.Y. 2023-24. Main objective of the continuous improvement in the curricula development and enhancement, enrichment is achieved. Reflection of the action taken is observed in BoS/AC meetings and further implementation and actions will be noted in the forthcoming 13th BoS.

The modified syllabus its kept for approval from BOS, if any suggestion from BOS members will be incorporated in the syllabus. After passing through BOS the syllabus will be forwarded to the academic Council for approval.

Website inclusion



Annexure - I

Minutes of Meeting

BoS Minutes of Civil Engineering Department Meeting was held in online mode 8th April 2024, 11:00 AM.

Member Present:

1. Dr. Ashutosh Bharadwaj, Senior Scientist, ISRO's Dehradun, Uttarakhand.
2. Dr. Kumar Molugaram, Senior Professor & Dean Faculty of Engineering, Osmania University.
3. Er. Yusuf Inamdar, Technical Head J. Kumar Infra-project. Ltd. Pune.
4. Dr.Kishore Ravande, Former Principal, School of Engineering
5. Prof. Dr. Virendra Shete, Director, MIT SOES.
6. Prof. Dr. Satish B Patil, Head of Civil Engineering Department.
7. Prof. Dr. Rajshekhar G Rathod, Assistant Professor CE.
8. Prof. Abhijeet Galatage, Assistant Professor CE.
9. Prof. Aniket D Patil, Assistant Professor CE.
10. Prof. Amit S. Dharnaik, Assistant Professor CE.
11. Prof. Achyut A Deshmukh, Assistant Professor CE.
12. Prof. Avinash A Rakh, Assistant Professor CE.
13. Prof. Anandrao A Jadhav, Assistant Professor CE.
14. Prof. Hrishikesh U Mulay, Assistant Professor CE.
15. Prof. Gauri S. Desai, Assistant Professor CE.
16. Prof. Bhagyshri D Patil, Assistant Professor CE
17. Prof. Sagar K. Sonawane, Assistant Professor CE.
18. Prof. Prasad B Karad, Assistant Professor CE.

Leave of Absence:

1. Dr. D. Rama sheshu, Professor, NIT Warangal, Telangana.
2. Er. Ajinkya Shinde, Director, Ten Corner Developers, Pune.

The meeting commenced with a welcoming address from Prof. Dr. Satish B Patil, Head of the Civil Engineering Department. Subsequently, Prof. Dr. Virendra Shete, Director of MIT School of Engineering and Sciences, addressed the gathering, emphasizing the pivotal role of Civil Engineering in the current scenario. He suggested the incorporation of the latest technologies and courses, particularly focusing on Automation and Programming.

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The outlined agenda was then deliberated, and the resulting resolutions are documented below:

Resolutions:

Agenda 1: Approve the minutes of the previous meeting held on 29th December 2023.

1.1 Prof. Avinash presented the minutes of the Previous BoS meeting held on December 29, 2023, which were subsequently approved by the panel.

Agenda 2: Review of National Education Policy 2020 for AY 2023-24 (Sem IV).

2.1 Prof. Abhijeet explained the successful implementation of the National Education Policy 2020 in the School of Engineering and Sciences for Semester IV (AY 2023-2024).

Agenda 3: Discussion & approval of the second year Sem IV (2023-24) Structure referring to NEP 2020.

3.1 Prof. Abhijeet presented the Credit Structure for the second year Sem IV (2023-24) in alignment with NEP 2020.

3.2 The BoS Committee members suggested to revise the Credit Structure for Sem IV in terms of Credits Distribution, No of Lectures & Total Marks.

3.3 BoS members collectively appreciated the inclusion of cutting-edge technologies and topics in the syllabus.

3.4 The BoS Committee members suggested to revise Course Rational, Course objectives & Course outcomes for all subjects of Semester IV.

3.5 The BoS Committee members recommended adding the most recent editions of books to the list, as older editions are often referenced by people.

Agenda 4: To discuss & approve syllabus of Final Year Sem VII & VIII of 2021 Pattern

4.1 Prof. Avinash presented the course structure of Final Year Sem VII & VIII, B. Tech Civil Engineering, detailing subjects and electives.

Agenda 5: To discuss & approve Audit Based Research Paper Writing Course for Third & Final Year Students as per 2021 Pattern.

5.1 The BoS Committee Members have suggested that to add 1 credit, Lectures 2 hours per week and 50 marks for the research based course in the Academic Course Structure.

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Agenda 6: To discuss among Committee Members about Possibility of Using Computational Techniques in Lab Course Structure.

6.1 The BoS Committee members suggested integrating computational techniques or software-related practical into the curriculum, aiming for a coverage of at least 30 to 40%. Ideally, software-based applications should be integrated into all labs wherever possible.

Agenda 7: To discuss & approve electives from MOOC/ Industry Sponsored / Online Platform (if any).

7.1 The BoS Committee members recommended to Revise the Basket of Electives which is prepared from Various Online Platform like MOOC/ NPTEL /Industry Sponsored etc.

Agenda 8: Any other points with the permission of the BoS Chairperson.

8.1 Based on the curriculum feedback from stakeholders, Dr. Rajshekhar Rathod insisted that Research Methodology taught at PG level shall be Credit based instead of audit.

8.2 The BoS Committee members agreed to make this subject Research Methodology as Credit Based Subject after Discussion as to make Awareness among PG Students about Research.

The BoS Members commended the department's efforts, and the meeting concluded with gratitude extended to the Chair, reciprocated in kind.

Prof. Dr. Satish B. Patil,
Head of Civil Engineering Department,
MIT School of Engineering and Science.

CC to:
1. Director, MITSOES.
2. Dean, MITSOES.
3. Civil Engineering Department office.
4. All staff in the Civil Engineering Department.

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