

**J.C. Bose University of Science and Technology, YMCA,
Faridabad, Haryana**



Curricula Feedback Report 2023-24



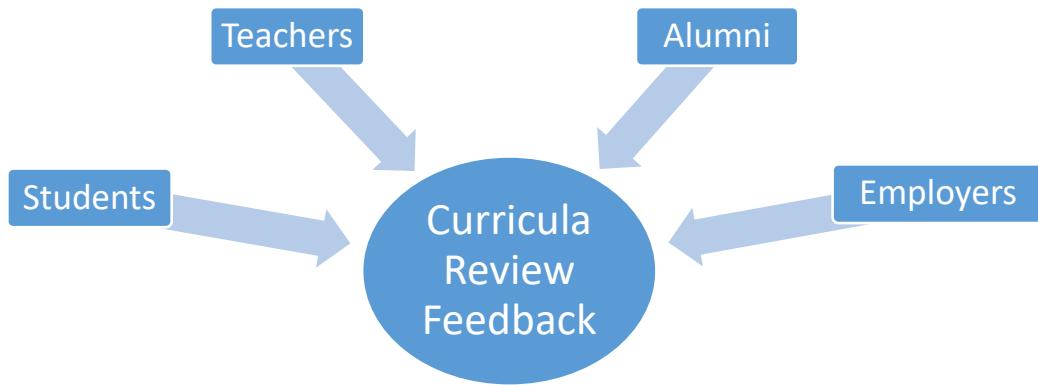
PREFACE

Regulatory bodies have a mandate to set norms and standards for regulating the quality of educational institutes. Bodies like UGC and NAAC have policies and procedures to orient India's Education system to quality. Stakeholders need to orient their mindset to quality and then only we can dream of a system – that satisfies all.

Quality vs Quantity has always been a thought-provoking issue. As key stakeholders, students are concerned about the expected outcomes. Since the technical education scenario is drifting from an output-based system to an outcome-based system, quality in such processes needs to be addressed. We need to ensure that the outcome parameters vis a vas the objectives are mapped and the programmes are in tune with the national policies with reference to the global trend.

Satisfaction of stakeholders including students, faculty, alumni, and employers has always been a challenge. Since Quality is a benchmark on the road to success and thus the improvement scope is bound to be there in any system.

Curricula Review feedback is a process utilized by our University to solicit information from a variety of sources on different aspects of the curriculum. Most often, information solicited in this feedback process includes feedback from all the stakeholders of the University. Such feedback can also include, when relevant, feedback from external sources who interact with the University, such as peer groups, examiners, alumni, etc.

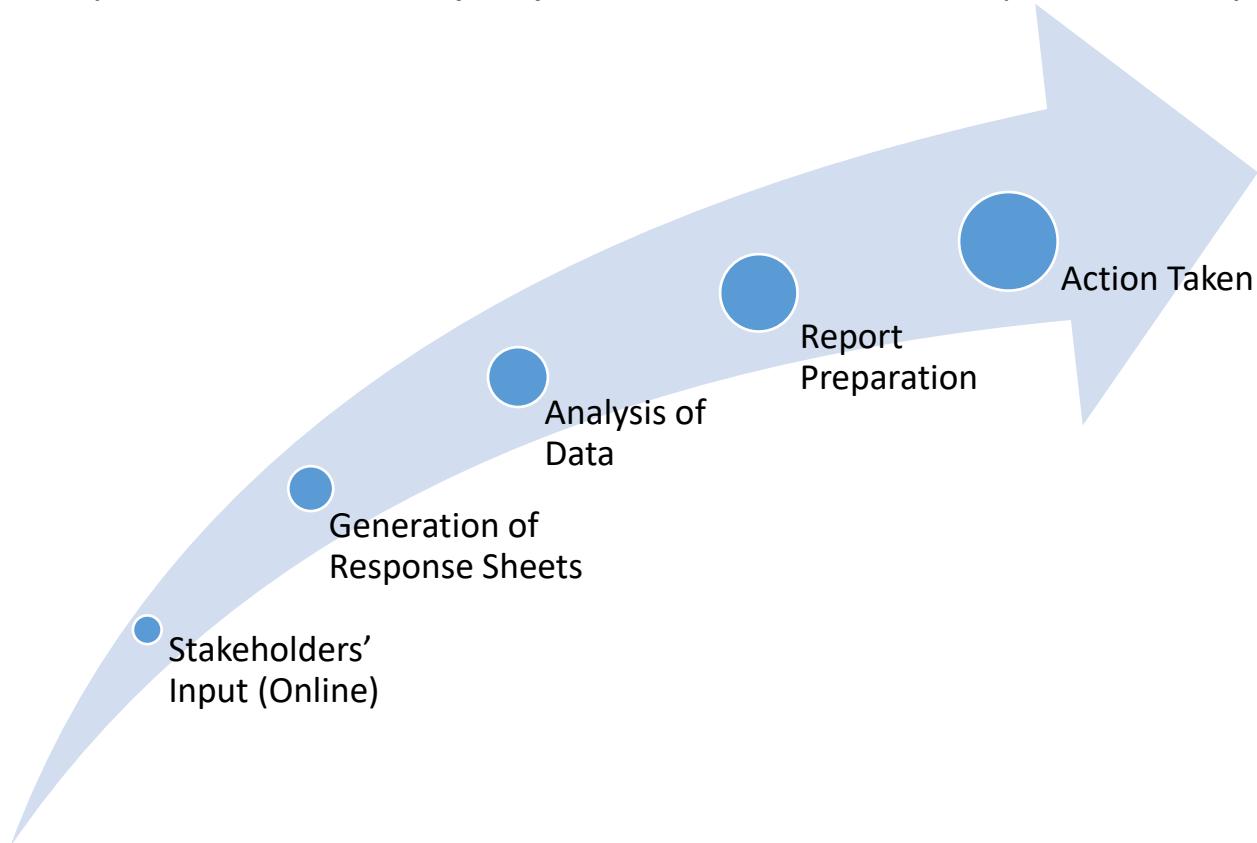


In our Institute, feedback is collected from all the stakeholders by using online mechanisms (google forms). Online mechanism for collection of feedback uses online forms for which links are sent to the stakeholders. After collecting data from the

Stakeholders, the response sheet are being generated and analysed thereof by using predefined parameters. Based upon the report, the departments take appropriate action.



The department submits a copy of the report along with the action taken to the Internal Quality Assurance Cell (IQAC) for further action required if any.



The prime aim of this feedback is to ensure that every student has access to competent and qualitative teaching which leads to vibrant academic, social and personal growth. The IQAC regularly monitors the activity along with other quality initiatives. We need to continuously incorporate such Quality Initiatives in our systems and follow them in letter and spirit for satisfaction of the stakeholders.



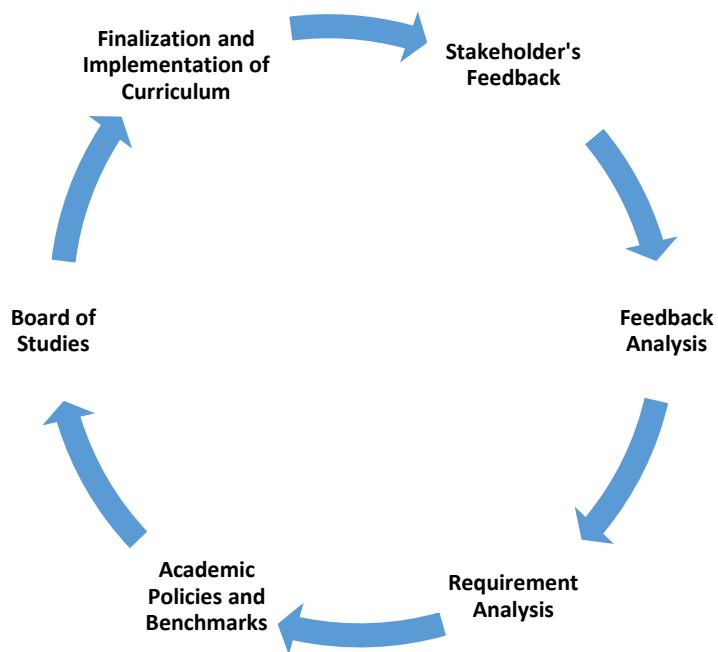
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Feedback Procedure of the University

Curriculum is one of the crucial aspects of teaching learning process, so it requires regular and continuous assessment. Stakeholder's feedback plays a remarkable role in Curriculum Design and Development by providing useful insights for upgrading various aspects of teaching, learning, assessing and capacity. Designing and developing a curriculum demands proper need based inputs in proper consultation with experts. Our University has made all the required arrangements for getting proper feedback from students, teachers, alumni and employers on various curriculum related activities .Curriculum development comprises of following phases:



The process of curriculum development for various programs starts with the assessment of the existing curriculum taking into consideration requirements of students, skills demanded by industry and job placements. The curriculum inspection comprises of information regarding syllabus planning and holistic experience about the program. This exercise of gathering feedbacks on the curricula from our stakeholders were recorded once in every academic year.

In curriculum advancement and audit, the current curriculum undergoes through an exhaustive and detailed assessment process, which needs to experience different stages with an active contribution and commitment of students, instructors, alumni and scholastic specialists of other universities.



Students' feedback is recorded in different sessions, using prescribed Performa, toward the end of every academic year. Online feedback about the curriculum is taken from the students using google forms prior to the end of semester. Feedback thus received is duly considered during the review process of curriculum. A meeting of curriculum review committee is organized to assess the compiled feedbacks received from all stakeholders. After rigorous discussion on the valuable inputs given in the feedback, curriculum review committee performs various modifications in the curriculum, still keeping it consistent with existing scheme. These changes are proposed in Board of Studies meeting / IQAC after thorough analysis of feedback. Suggested modifications are incorporated in the curriculum on the recommendations of the BOS members / IQAC.



J.C. Bose University of Science and Technology, YMCA, Faridabad

Student Feedback on Curriculum

This questionnaire is intended to collect information regarding various aspects of the curriculum. The information provided by you will be used as an important feedback for improvement of the curriculum.

Please answer the following questions on the scale of 1 to 5 where 1 indicates little satisfaction and 5 indicates higher satisfaction.

Please mark a tick '✓' in the appropriate cell.

B.Tech **M.Tech.** **Program:**

S.No.	Question	1	2	3	4	5
1.	The Syllabus of the courses that you have studied synchronizes with the competencies expected out of the course.					
2.	The units/sections in the syllabus are properly sequenced.					
3.	The curriculum has good balance between theory and practical.					
4.	Course content is covered by corresponding reference books/materials.					
5.	The syllabus generated interest in the subject area.					
6.	The course content of the subjects increased your knowledge and perspective.					
7.	Curriculum equipped you with necessary technical skills required by the industry.					
8.	The electives offered are in consonance with the technological advancements.					
9.	The practical courses give you an effective hands-on experience.					
10.	The laboratory experiments enhanced your understanding of the concepts and enabled you to relate theory to practice.					

Any other suggestions to improve the curriculum:

Your details (Optional):

- i) Name:
- ii) University Roll no.:
- iii) Signature with Date:

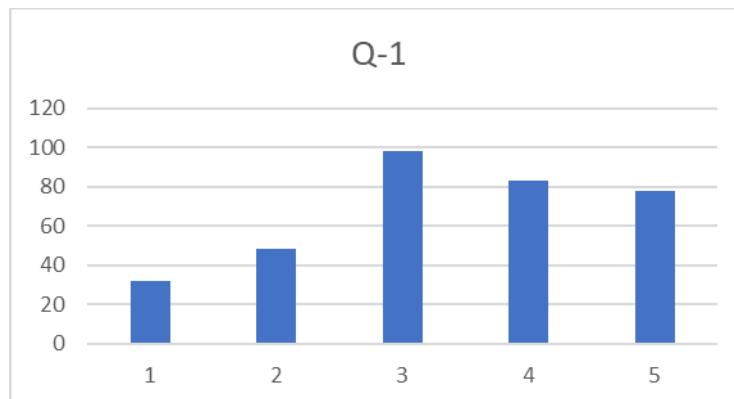


STUDENT FEEDBACK REPORT

Students' feedback is a prime factor for the enhancement of the learning environment and can help teachers to enhance their skills. It also nourishes teacher-student communication in classroom and assists to achieve excellence in teaching learning process. Feedback of around 339 students of various courses was collected in the session 2023-2024.

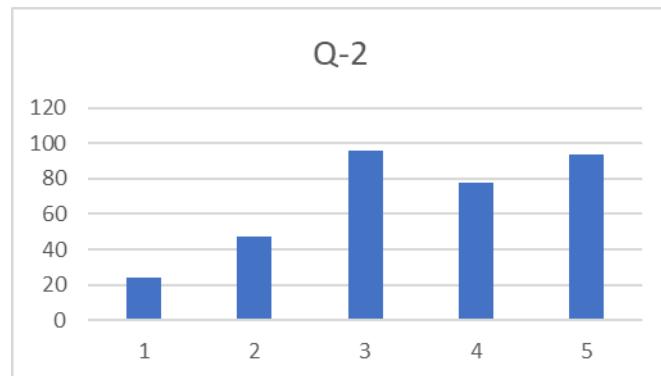
Course competency vs expectation

Professional development courses are of utmost importance in making students ready for industrial placements and various other competitions by enhancing their soft skills and analytical abilities. 23% of students are satisfied with the courses being offered for their professional enhancement while 29% have given their moderate consent and 9.4% of students showed dissatisfaction for these courses.



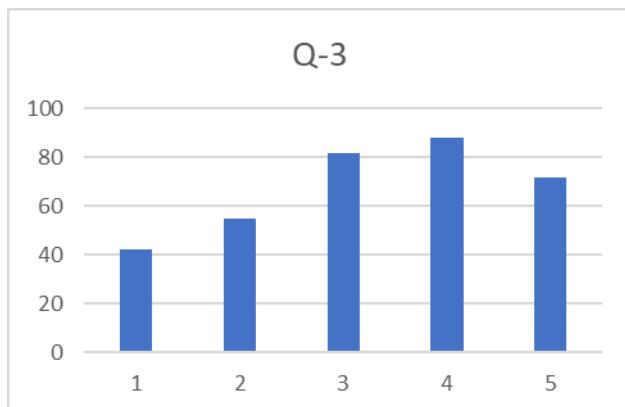
Sequencing of the units of the course

In order to make students learn in a better way, theory and practical courses should be included in the same term. Majority of students agreed that theory and concerned practical subjects are being taught in same term. 23% of students "Agree", 28.3% of students "Moderately Agree", 27.7% of students "Strongly Agree" when asked about sequence and placement of courses in program scheme. On the other hand, only 13.9% showed disagreement and 7.1% of students strongly disagreed about proper sequence of courses in program scheme. So it can be analyzed that a significant percentage of students shows agreement on the proper placement of their courses in programme scheme.



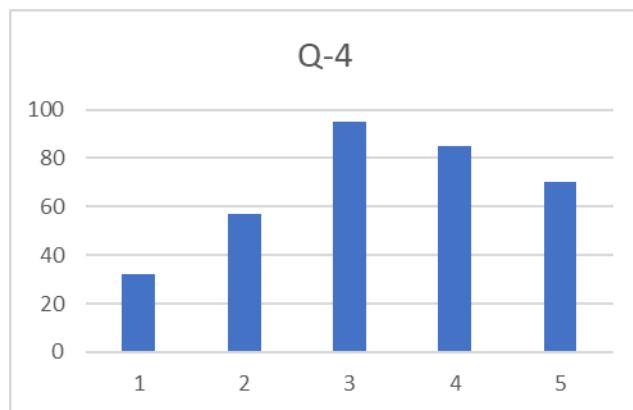
Effectiveness of theory and practical skills of the course

Approximately, 21.2% of the strength were “highly satisfied”, while 24.2% of participants “Moderately satisfied” about the assessment pattern adopted by the University for individual course is useful in grasping the concepts application. A relative few count of 16.2% “Dissatisfied” and 12.4% “highly Dissatisfied” students suggested for improvements in the existing lab manuals and planned academic tasks. Students showed strong agreement with the quality and content of assignments and Lab manuals given to them for practical courses. Some students suggested modification in the sequence of existing lists of experiments



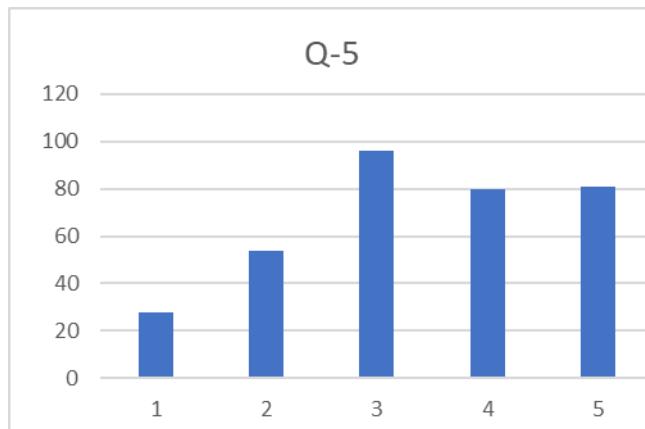
Prescribed book(s) are appropriate for this course

It can be clearly depicted from the graph that 20.7% of students showed satisfaction on book(s) recommended for a course provides vast information and knowledge about the content included into syllabi. Only 9.4% of students highly Dissatisfied and stated that book(s) can be changed to fulfill the requirements of students. Around, 28% students are moderately satisfied on recommended book (s) for the courses.



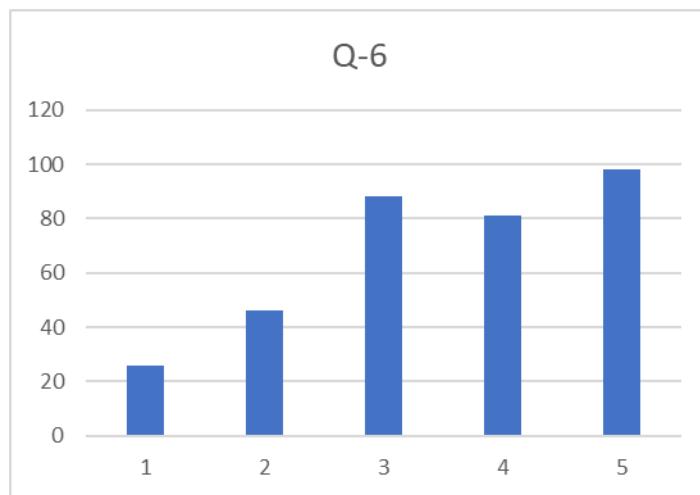
Effectiveness of the syllabus in the subject area

23.6% of students shows satisfaction, while 8.3% shows dissatisfaction for the Effectiveness of the syllabus in the subject area. Besides this, 23.9% of the students gave higher consent to the meaningfulness of the syllabus.



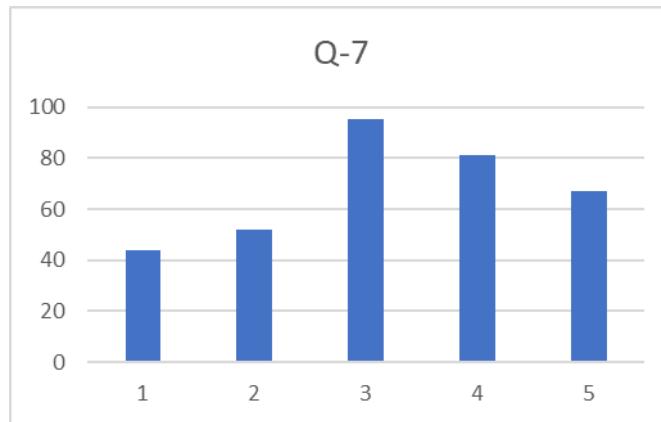
Adequacy of course content prescribe in the syllabus

Most of the teaching learning practices involve solving real life problems. Analysis of feedback received clearly shows that students find these courses applicable to real life problems. Approximately, 28.9% of the students were satisfied that the course content specified in the syllabus is appropriate and sufficient enough to understand the topics completely. Though, 7.7% of the students raised concern about the difficulty level of the prescribed content of the few courses. 26% of the strength were moderately satisfied and showed confirmation about the sequence and novelty of content.



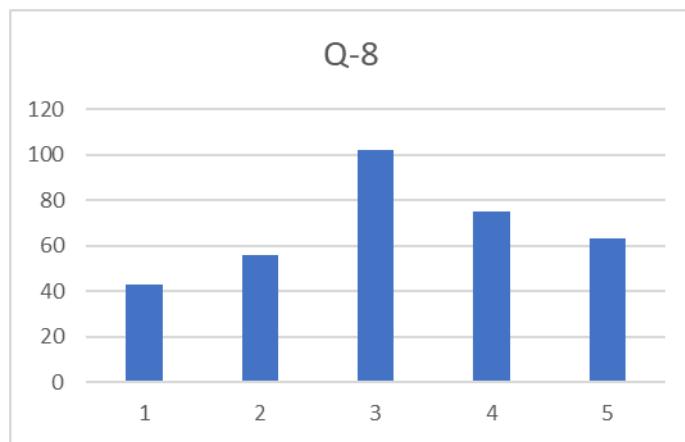
Curriculum helps in bridging the gap between industry and academic institution

The chart reveals the percentage of respondents. About 19.8% of the students agreed that their curriculum helped in bridging the gap between industry and academic institution. The curriculum integrate the skills required for industry. 28% student were moderately satisfied only 13% percentage of students are dissatisfied with the statement. Majority of students were benefited from the lectures being delivered by industry experts. The University is aimed at providing outcome base and industry oriented interdisciplinary education meeting the diversified needs of students.



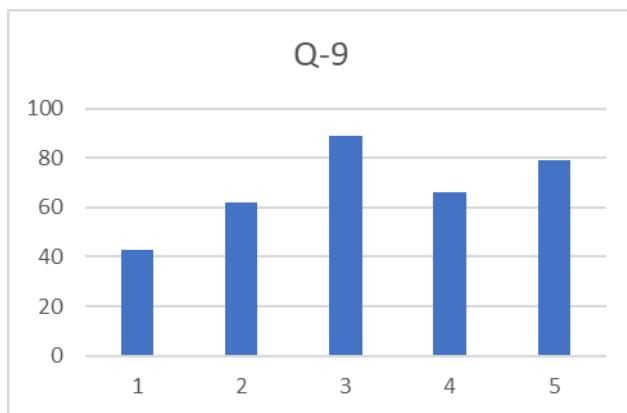
Meaningfulness of minor elective courses

Analysis of feedback received shows that 18.6% of students found the elective courses offered to them as useful and interesting, while 30% showed moderate agreement. A small number of students (12.7%) were not satisfied with the relevance of minor electives in the scheme. Students can opt for courses of their interest from diverse courses offered in the programme scheme. Majority of students showed their agreement on significance of these elective courses in getting job placements and fulfilling industry requirements.



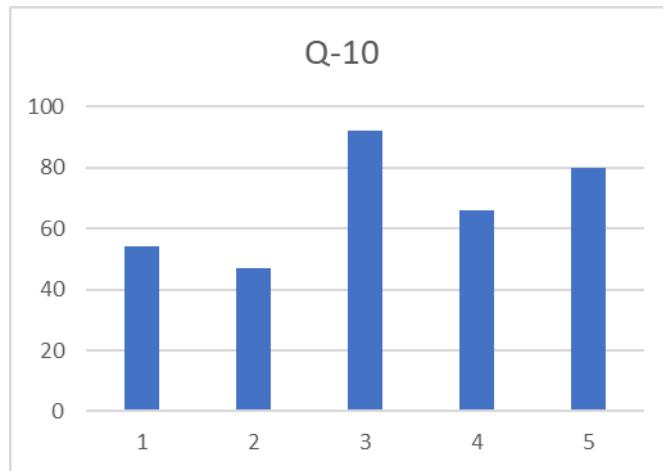
Hands-on effectiveness of the course

The curriculum gives hands on experience to the students through projects, live projects, workshops, use of industry relevant software, study tours, industrial visits, industry trainings / internships etc. The chart reveals that the students' feedback on the curriculum give hands on experience through projects, live projects, workshops, use of industry relevant software. Moderately satisfied (19.5%) and little dissatisfied (18.3%) students' feedback has been analysed. Final semester students are encouraged to pursue live projects.



Academic tasks/Lab manuals are helpful in understanding the applicability of concepts

The students were surveyed on the effectiveness lab manual and academic tasks. Approximately highly satisfied (23.6%), highly dissatisfied (16%), "Moderately satisfied" (27.1%), "satisfied" (19.5%). In this manner, around (70.2%) of individuals were satisfied that Academic tasks/Lab manuals are helpful in understanding the applicability of concepts.



Further, the following points were also conveyed by the students

1. Add practical subjects for gaining experience that are related to advancement of technology instead of just theoretical subjects
2. Remove 75% attendance and also provide content material and reduced the 2hour lecture
3. Please add some industry visits and assignments of each topic consisting case studies as well
4. Include more skills development programme
5. Kindly provide cooler or AC in classrooms, as because of intense hot weather, classrooms become very suffocated, which in result causes both the students and teachers to pay attention in the class...
6. Mooc should not be mandatory!!
7. Timing of class should be upto 4 pm
8. Hands on lab work must be improved . The labs are not fully equipped.
9. It'll be good if there will be not extra subjects which isn't of our course on it's place we can have more lecture of the domain subjects
10. The additional subjects should be removed as they are not related to the subject and instead students should be given intership and an opportunity to work in their field of interest



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Teacher Feedback on Curriculum

This questionnaire is intended to collect information regarding various aspects of the curriculum. The information provided by you will be used as an important feedback for improvement of the curriculum.

Please answer the following questions on the scale of 1 to 5 where 1 indicates little satisfaction and 5 indicates higher satisfaction.

Please mark a tick '✓' in the appropriate cell

S.No.	Question	1	2	3	4	5
1.	Syllabus is need based with respect to the recent advancements.					
2.	Aims and objectives of the syllabi are well defined and clear to teachers and students.					
3.	The books prescribed/listed as reference materials are relevant and updated.					
4.	The curriculum has good balance between theory and Lab.					
5.	The course content of the subjects improved student's knowledge and perspective.					

Any other suggestions to improve the curriculum:

Your Details:

- i) Name:
- ii) Designation:
- iii) Specialization:
- iv) Signature with date:

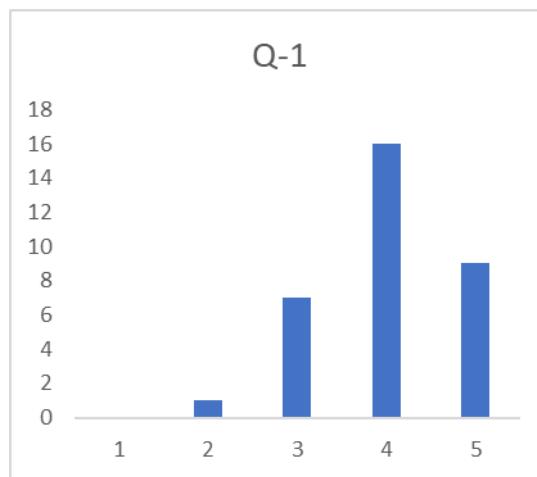


TEACHER FEEDBACK REPORT

It has been a regular practice of University to conduct course coordination meeting with all faculty members during the academic year. The agenda of these meetings is to improve the quality of pedagogy strategies adopted, course content, learning material supplied to students, performance of students, extension and research activities. Faculty members are asked to give their valuable suggestions and feedbacks about teaching learning process and research activities. Inputs provided by them are rigorously discussed and debated. Suggestions thus found useful are put forward for implementation. In accordance with these feedbacks, teacher is entitled to revise the course contents after getting a formal approval from the authorities. Feedback of around 33 teachers of various courses was collected for the session 2023-2024.

Updating curriculum with recent curriculum advancements

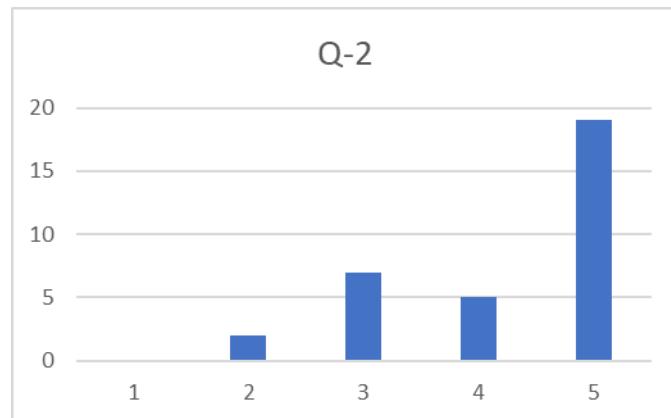
Keeping in consideration, the changes in trends and technologies of Industry and academics, syllabus is continuously updated by the Industry experts and academicians. External experts are invited for delivering expert lectures and have active interaction with students. Valuable suggestions which are provided by these experts are also incorporated periodically in the curriculum. Feedbacks from recruiters during the placement drives are also considered to make the students and curriculum prepared for Industry. The analysis depicts that more than 97% of faculties are satisfied with recent curriculum advancements. Around 3% faculties showed dissatisfaction.





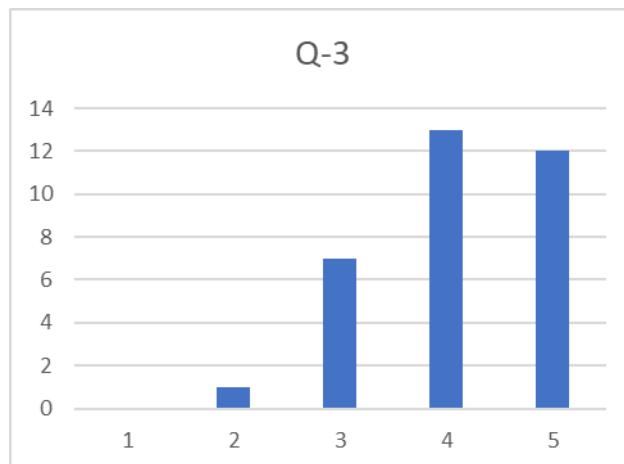
Breadth and depth of course content of the syllabus

Curriculum provides ample opportunities to the students to implement and illustrate their learning in various contexts by focusing more on depth of understanding and breadth of content coverage. The graph illustrates the percentage of respondents. Around 57.6% faculties were highly satisfied with the breadth and depth of course content of the syllabus, 21% were satisfied moderately, while 6% were found dissatisfied.



Prescribed book(s) are appropriate for this course

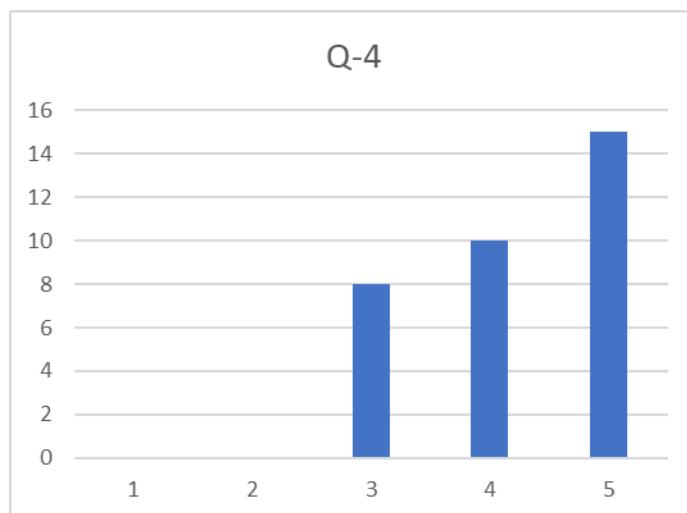
Textbooks and reference books are framework that helps students to organize and manage their learning. These are the most important resource of information about their course contents. Textbooks and reference books help students understand the concepts thoroughly and make them familiar with the course. Thereby helping them to achieve the desired course outcomes. The graph displays the percentage of respondents. As per the survey, 36.4% of teachers observed the availability of text books and reference books for the students, 21.2% agreed moderately and nobody disagreed.





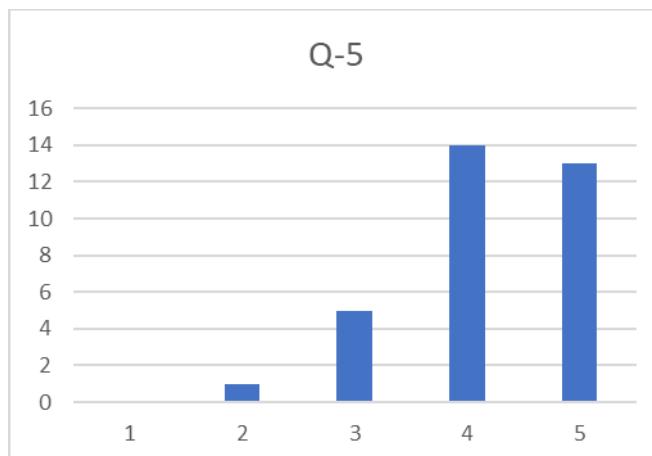
Practical and theoretical amalgamation of the course

Classroom activity planning is a significant step for keeping the instructions organized and in order, thereby helping the teachers to deliver efficaciously. Lab manuals are carefully designed to implement procedural working of lab experiments and to attain desired course outcomes. Lab Manuals are well versed with properly explained course learning objectives, procedures and precautions. The graph depicts the percentage of respondents. As per this analysis, it was found that 45.5% of faculties were highly satisfied about the preparedness of academic tasks and practical experiments as per the instruction plans. It was found that 24.2% of teachers agreed moderately and nobody showed disagreement.



Effectiveness of the course with respect to students' knowledge

Learning levels from academic task are evaluated through various activities for example worksheets, class tests, assignments, quizzes, sessionals, practicals, design problems, projects etc. The above chart explains the percentage of respondents. A majority of 39.4% teachers were highly satisfied with the level of learning from academic tasks, 15% moderately satisfied and 3% showed dissatisfaction with the above mentioned statement.





Further, the following points were also conveyed by the teachers:

1. More industrial/ organisation visits/ tours should be organised.
2. Curriculum Should be more industry oriented



J.C. Bose University of Science and Technology, YMCA, Faridabad

Alumni Feedback on Curriculum

Dear Alumni,

It gives us immense pleasure to reconnect with you. We hope you have been doing exceedingly well in your career. We are confident that your stay with YMCA has enabled you to imbibe the process of life-long learning and to take up challenging careers. We are sure you were sufficiently equipped not only to take on the real world but also to make it a better place to live, through responsible and innovative use of technology.

We solicit your feedback on attainment of the student outcomes (the knowledge, skills, attitude that you developed during the course of study at YMCA and subsequent work experience) of UG/PG program. Please answer the following questions on the scale of 1 to 5 where 1 indicates little satisfaction, and 5 indicates higher satisfaction.

Please mark a tick '✓' in the appropriate cell

S.No.	Question	1	2	3	4	5
1.	The current syllabus is adequately updated from the one followed during your course of study.					
2.	Does the curriculum has the ability to find solutions to real life/practical problems in industry through the use of technical knowledge?					
3.	Does the curriculum have reasonable practical and laboratory skills for analysis and design?					
4.	How do you rate the curriculum with respect to professional ethics and behavior?					
5.	How do you rate the curriculum in written and oral communication abilities?					
6.	Does the curriculum has ability and will to engage in a process of continuous learning to meet the current job requirements?					
7.	Overall satisfaction for the current program in meeting its educational objectives.					

Any Comments:

Your Details:

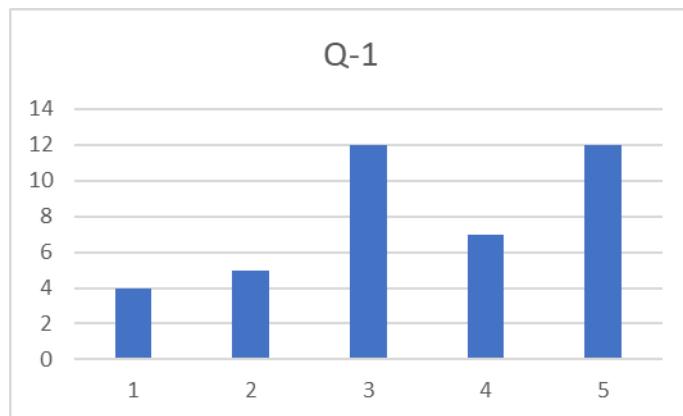
- i) Name:
- ii) Batch:
- iii) Current Organization:
- iv) Signature with Date:



ALUMNI FEEDBACK REPORT

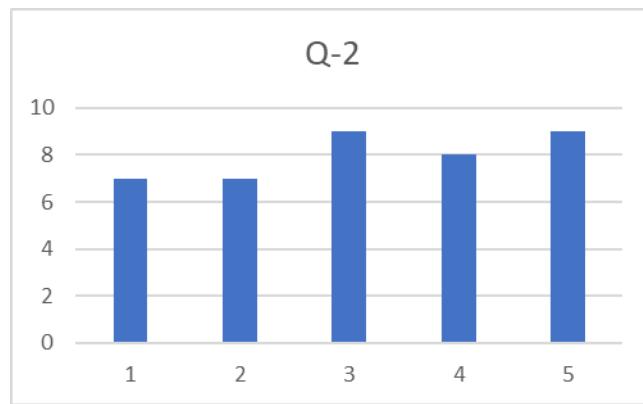
In the session 2023-2024, our University collected and analyzed the feedback from around 40 alumni of various courses. Valuable suggestions made by the alumni are put forward before the Academic Council for rigorous discussion and their possible inclusion in the curriculum. Following are the graphical representations of alumni responses:

Evolution of the curriculum with times per the feedback by alumni, Curricula offered by University are well mapped with a number of national and international competitive examinations. Keeping the ever changing trends and technologies of Industry and academics, syllabus is continuously updated using the valuable suggestions provided by the Industry experts, academicians and employers. 30% of alumni are highly satisfied with the courses being offered while 30% have given their moderate consent and 10% of alumni showed dissatisfaction for the above stated criteria.



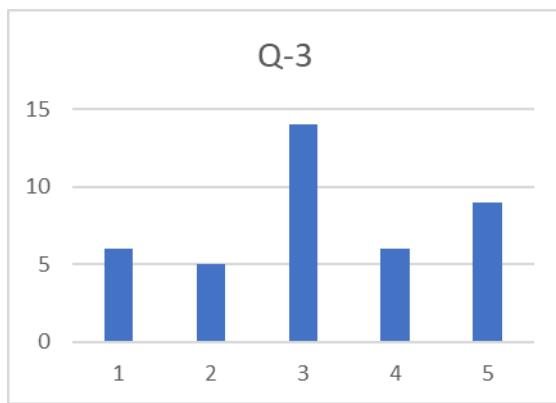
Curriculum has helped in solving real life problems

Majority of alumni has agreed that most of the teaching learning practices involve solving real life problems. Analysis of feedback received clearly illustrates that students find these courses applicable to real life problems and the course content specified in the syllabus is appropriate and sufficient enough to understand the topics completely. Approximately, 22.5% of the strength were "highly satisfied", while 22.5% of participants "Moderately satisfied" about the assessment pattern adopted by the University for individual course is useful in grasping the concepts application. A relative few count of 17.5% "Dissatisfied" and 17.5% "highly dissatisfied" alumni suggested for improvements in the contents.



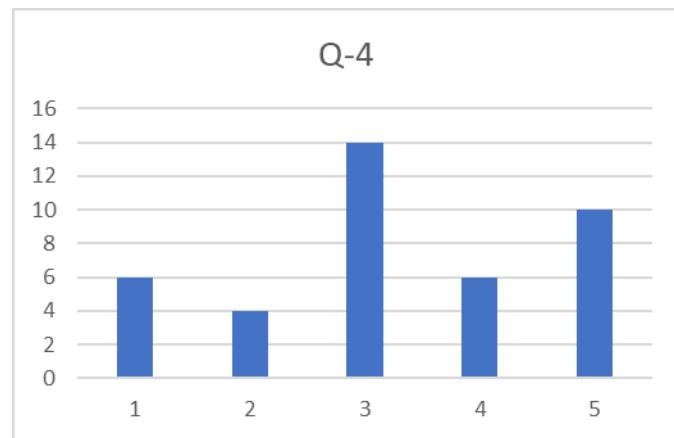
Practical and theoretical amalgamation of the course

In order to assure that students learn in an efficient way, theory and practical courses are be included in the same term. Students learn various concepts in classroom sessions and are provided opportunity to implement the learned concepts in the same semester. The graph depicts the percentage of respondents. As per this analysis, it was found that 22.5% of alumni were highly satisfied about the preparedness of academic tasks and practical experiments as per the instruction plans. It was found that 35% of alumni agreed moderately and a small strength of 15% alumni showed complete disagreement.



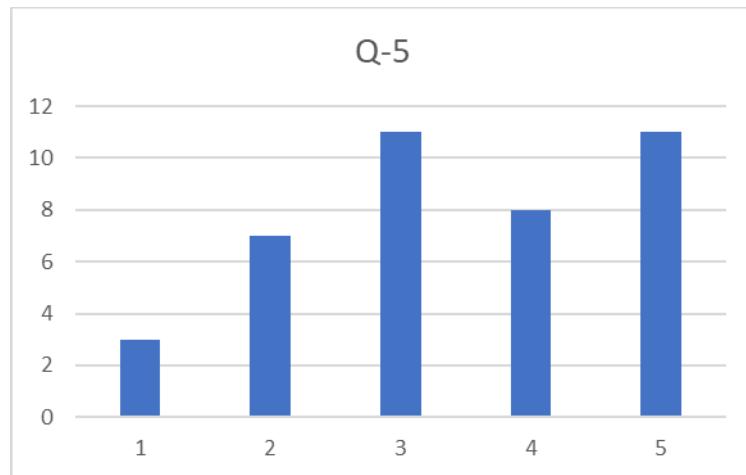
Professional ethics and behavior inputs in the curriculum

Curriculum comprises not only the theoretical knowledge but also designed in a way to inculcate the professional and behavioral ethics in the student so as to make them presentable and ready for outside world. 25% of alumni are highly satisfied and 35% of them were moderately satisfied with the Professional ethics and behaviour inputs in the curriculum while 15% of alumni showed a little dissatisfaction.



Professional Enhancement/Communication skills input in the curriculum

Curriculum is well designed with inclusion of Professional development and communication skill courses. Communication skill courses make the students competent enough to effectively deal with various conflicts. Students learn to be part of difficult conversations confidently and to use nonverbal communication skills like gestures, body-language and voice tones effectively. More than 27.5% of alumni were highly satisfied with the level Professional Enhancement/Communication skills input in the curriculum, and nearly 7.5% showed dissatisfaction with the above mentioned statement

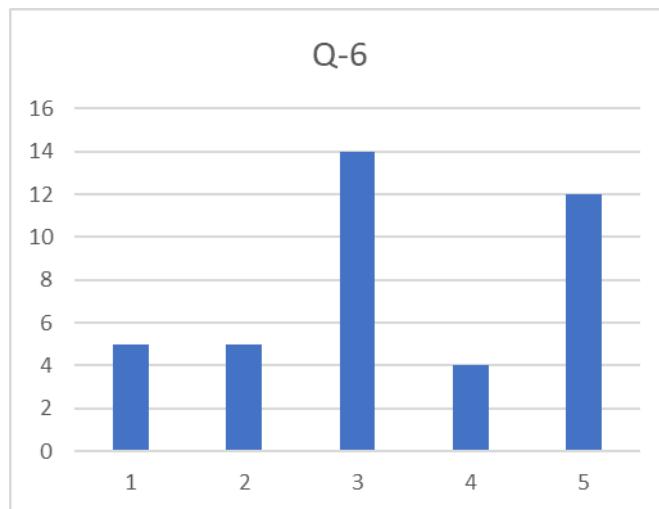


Curriculum has helped in meeting the job opportunity and placements

As per the feedback received from alumni, the University curriculum is well mapped to cater the requirements of industries and society. Courses such as cloud computing, disaster management, gender equality, human values, AI, big data, women empowerment, peace and conflict etc. Various communication skill courses and personality development courses are being taught in the class and many workshops are conducted as a part of curriculum which help the students in

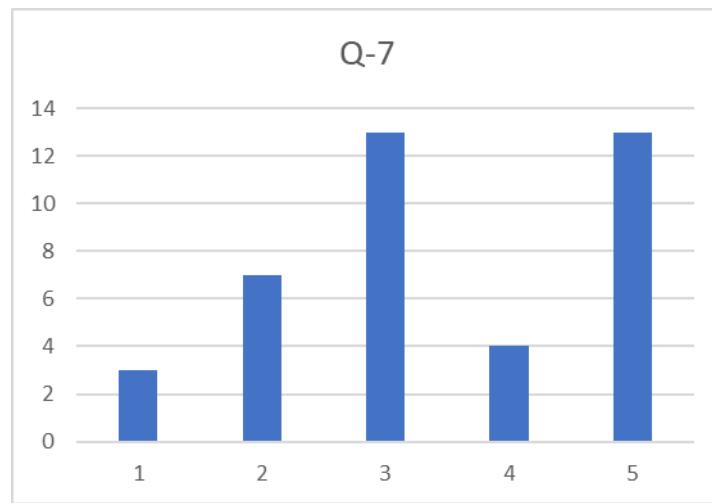


getting better placement opportunities. The graph depicts the percentage of respondents. As per this analysis, it was found that 30% of alumni were highly satisfied in this context. It was found that 35% of alumni were satisfied moderately and a small strength of 12.5% alumni showed complete dissatisfaction.



Overall Satisfaction with respect to educational Objectives

Alumni responded with strong agreement when asked about the overall satisfaction with respect to educational objectives. Curriculum has well mapped educational objectives and learning outcomes. The analysis depicts that more than 32.5% of alumni were satisfied with recent curriculum with respect to educational objectives. Around 17.5% alumni showed little dissatisfaction and 7.5% were not satisfied.



Further, the following points were also conveyed by the alumni:

1. Overall it was a good experience working with the faculty members.
2. focus must be in practical approach instead of theory.



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Employer Feedback on Curriculum

This questionnaire is intended to collect information regarding various aspects of the curriculum. The information provided by you will be used as an important feedback for improvement of the curriculum.

Please answer the following questions on the scale of 1 to 5 where 1 indicates little satisfaction, and 5 indicates higher satisfaction.

Please mark a tick '✓' in the appropriate cell

S.No.	Question	1	2	3	4	5
1.	Do our students have the ability to find solutions to real life/practical problems in industry through the use of technical knowledge?					
2.	Do our students have reasonable practical and laboratory skills for analysis and design?					
3.	How do you rate our students with respect to professional ethics and behavior?					
4.	How do you rate our students in written and oral communication abilities?					
5.	Do our students have ability and will to engage in a process of continuous learning to meet the current job requirements?					
6.	How do you rate professional capabilities of our students with respect to students from other institutions?					

Any Comments:

Your Details:

- i) Name:
- ii) Designation:
- iii) Organization:
- iv) E-mail:
- v) Signature with Date:



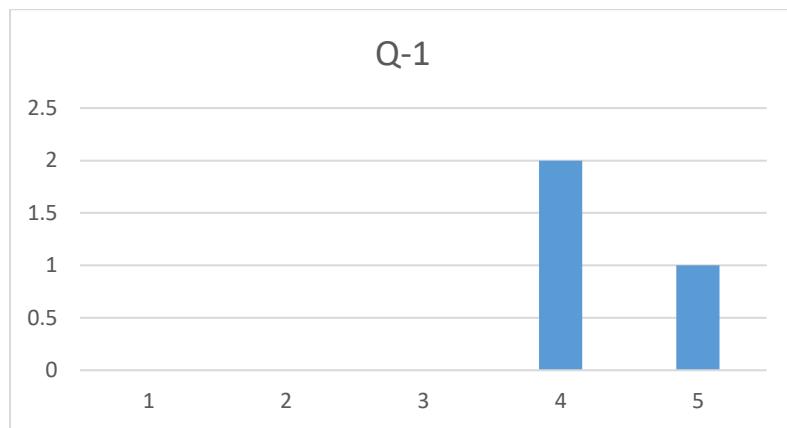
EMPLOYERS FEEDBACK REPORT

For session 2023-2024, feedback was collected from 03 employers on various programme scheme and syllabus offered by our University through online mode. Proper and periodic analysis of feedbacks provided by various stakeholders helps a lot in constantly improving teaching-learning process. Regular feedback from industry experts, employers during placement drives, workshops, guest lectures and Board of Studies is sought by the University. A detailed analysis and corrective actions on the collected suggestions is performed, followed by corrective measures taken with proper Action Taken Report.

Feedback sought from employers allows the design and development of relevant programs with ease of flexibility to match the personal and professional requirements of the students as well as employers.

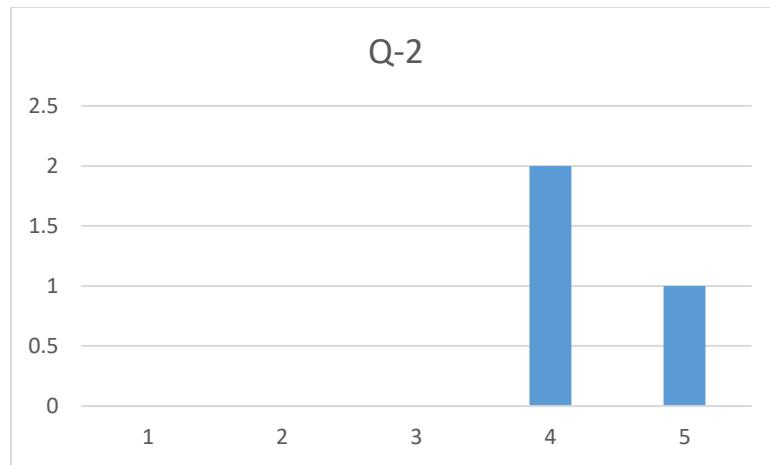
Ability of our students to find solutions of the real life problems

As per the feedback analysis, a large number of employers are contended with the course contents being taught as the syllabus is regularly updated to meet existing technological trends. The chart explains the percentage of respondents. Almost all the employers were satisfied with the Ability of our students to find solutions of the real life problems.



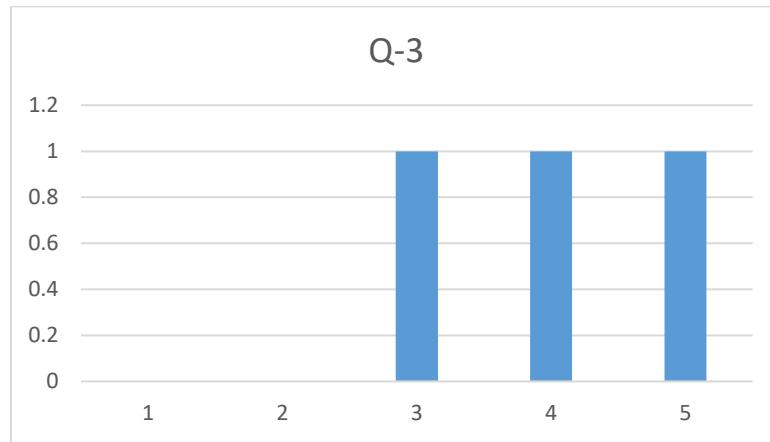
Practical and theoretical knowledge of our students

Curriculum is designed to have theoretical and practical amalgamation of the course. Students learn various concepts in classroom sessions and are provided opportunity to implement the learned concepts in the same semester. Analysis of feedback also shows that the lab **equipment**, chemicals, instruments, apparatus, hardware, software and other resources are available as per the need of course. Almost all of our employers are highly satisfied with the Practical and theoretical knowledge of our students.



Professional ethics and behavior of our students

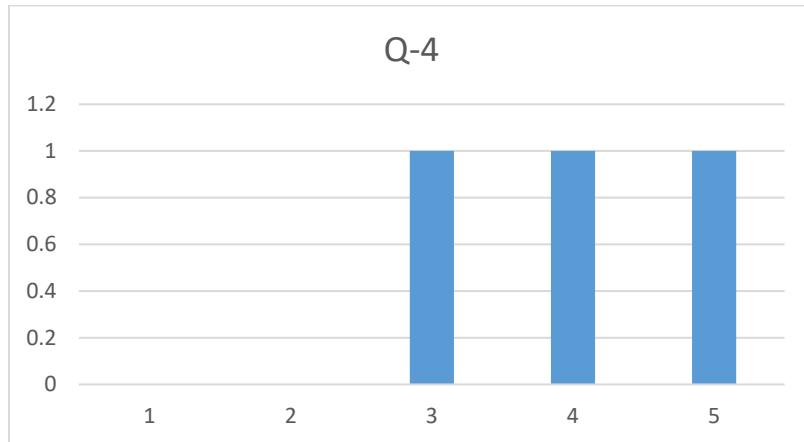
Course Curriculum is designed in a way to inculcate the professional and behavioral ethics in the student so as to make them presentable and Industry ready. Besides the subject knowledge, students are taught moral values and ethics to become a responsible citizen. This can be easily seen through the chart as almost all our employers are satisfied on this ground of Professional ethics and behavior of our students.



Professional enhancement/Communication skills capabilities of our students

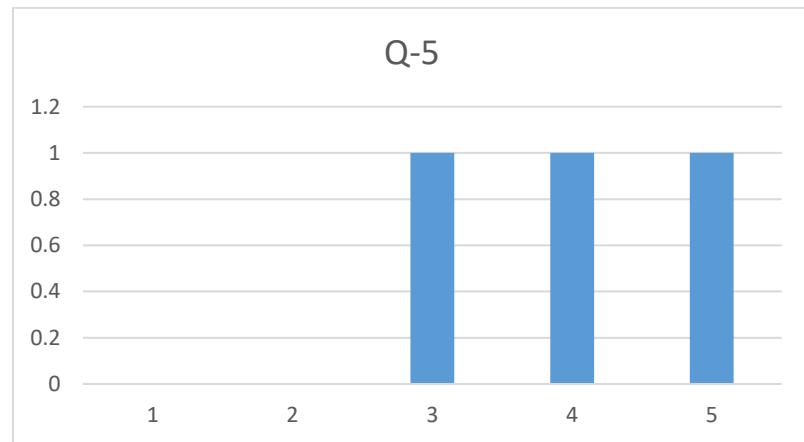


Students are guided by their mentors to be technically and professionally sound. Also various communication skills courses offered help them to be confident and present themselves in assertive manner. All most all of our employers are satisfied with Professional enhancement/Communication skills capabilities of our students.



Students' will and ability to meet job requirements

Faculty mentors, guides and motivate students so that they can believe in themselves and encourage them to take part in every cultural, technical, academic event, as doing so adds to the students' personality. Almost all of our employers are highly satisfied in this regard.



Professional capabilities of our students with respect to students of other institutions

Majority of the employers has given strong agreement about the professional capabilities of our students. Curriculum is flexible enough to adapt the latest technology trends which help the student to be updated with latest software and hardware technologies. As the chart depicts that



almost all of our employers are completely satisfied with the Professional capabilities of our students with respect to students of other institutions.

