

Bharath

INSTITUTE OF HIGHER EDUCATION AND RESEARCH
(Declared as Deemed - to - be - University under section 3 of UGC Act 1956)

**BHARATH INSTITUTE OF HIGHER EDUCATION
AND RESEARCH**

IQAC CURRICULUM FEEDBACK REPORT

SCHOOL OF MECHANICAL ENGINEERING

2019-2020



SCHOOL OF MECHANICAL ENGINEERING

- ✓ **B. TECH - MECHANICAL ENGINEERING**
- ✓ **B. TECH – AUTOMOBILE ENGINEERING**
- ✓ **B. TECH – MECHATRONICS ENGINEERING**
- ✓ **M. TECH – AUTOMOBILE ENGINEERING**
- ✓ **M. TECH – THERMAL ENGINEERING**
- ✓ **M. TECH – CAD**
- ✓ **M. TECH – MACHINE DESIGN**

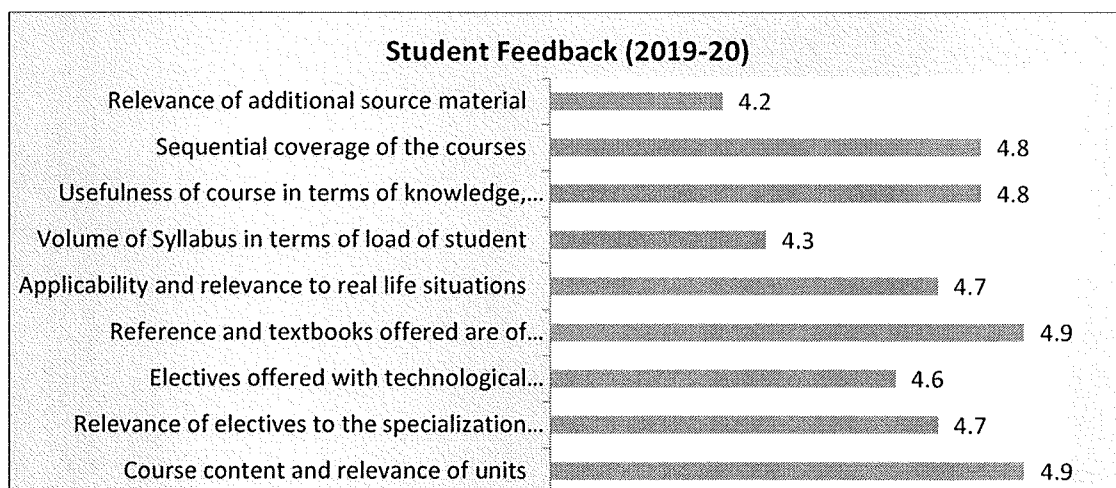


FEEDBACK REPORT – 2019 – 2020

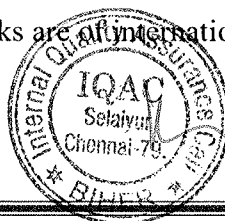
Feedback plays a major role in providing successful value education. Any institution that imparts feedback system in all the levels provides an insight on ways to improve the institution towards excellence. This feedback is captured from various stakeholders including students, teachers, employer, alumni and parents. All the feedback is analyzed through five point rating scale. The maximum score is 5 and the minimum score is one, where 5 indicates Excellent , 4 means good, 3 indicates Average, 2 indicates Below Average and 1 indicates Poor.

STUDENT FEEDBACK

Students are the foundation for any institution to achieve refinement in quality education. The feedback obtained from them will enable better understanding of their expectations from the institution. This also can facilitate a better learning environment taking into consideration all the facilities that are essential for the successful implementation of the programme.



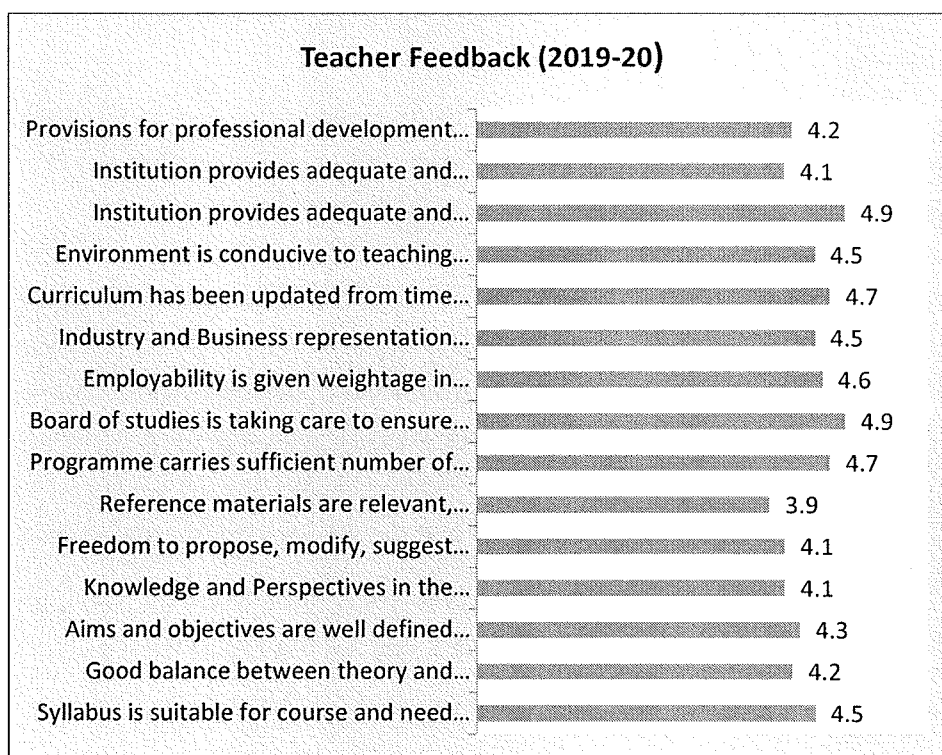
- The content offered in the course and relevance of units are satisfying (4.9/5)
- Many of them say that the offering of the electives in terms of their relevance to the specialization streams are sufficient (4.7/5)
- It is observed that the electives offered are with technological advancements (4.6/5)
- Relevance of reference and textbooks are of international recognition (4.9/5)



- The courses offered are more applicable and relevant to real life situation (4.7/5)
- Almost all the students agree that the volume of the syllabus offered are equal to the load of the student (4.3/5)
- The usefulness of the course in terms of knowledge, concepts, vocational skills, analytical abilities and broadening perspectives are phenomenal (4.8/5) .
- The courses offered are in sequential order (4.8/5)
- There is absolute relevance of additional source material (4.2/5)

TEACHER FEEDBACK

Teachers play a major role creating excellence in imparting knowledge and skills within the students. They focus on delivering curriculum taking into account, various limitations and challenges that the students can face in the future. Feedback obtained from them facilitates various pedagogical approaches in par with technological advancements. This will also facilitate the provision of supporting aids that are essential for efficient functioning of the programme.



- The Syllabus covered is suitable for course and need based (4.5/5)
- There exists balance between theory and application in a vast manner (4.2/5)



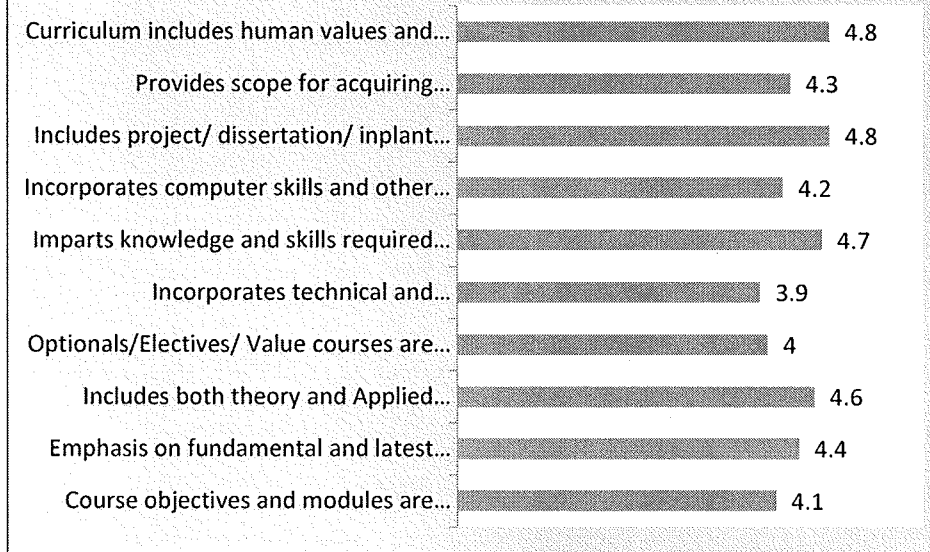
- The aims and objectives of the syllabi are well defined and clear to both teachers and students (4.3/5)
- The courses offered in the curriculum increases knowledge and perspectives in the respective subject areas (4.1/5)
- There exists a freedom for all the teachers to propose, modify, suggest and incorporate new topics in the syllabus(4.1/5)
- The books prescribed/listed as reference materials are relevant, updated and appropriate that facilitates quality education (3.9/5)
- The course and the programme of studies carries a sufficient number of optional papers (4.7/5)
- Most of them feel that the Board of studies is taking care to ensure the concurrence and relevance of the programme being offered (4.9/5)
- Employability is given weightage in curriculum design and development (4.6/5)
- Business and industry representation in Boards of studies helps design and improve the courses (4.5/5)
- The curriculum has been updated from time to time. (4.7/5)
- Almost everyone feel that the environment in the department is conducive to teaching and research (4.5/5)
- The institution provides adequate funding and support to faculty members for upgrading their skills and qualification (4.9/5)
- Adequate and smooth support for projects and research facilities are offered at the institution (4.1/5)
- Provisions for professional development are non discriminatory and fair and there is a extensive growth for an individual within the premises (4.2/5)

EMPLOYER FEEDBACK

Employer feedback is more essential since they establish clearly defined standards and protocols that are more crucial for existence in the job market. They help the teachers and the institution to mould an individual in a holistic approach to achieve success in the competitive job market.



Employer Feedback (2019-20)

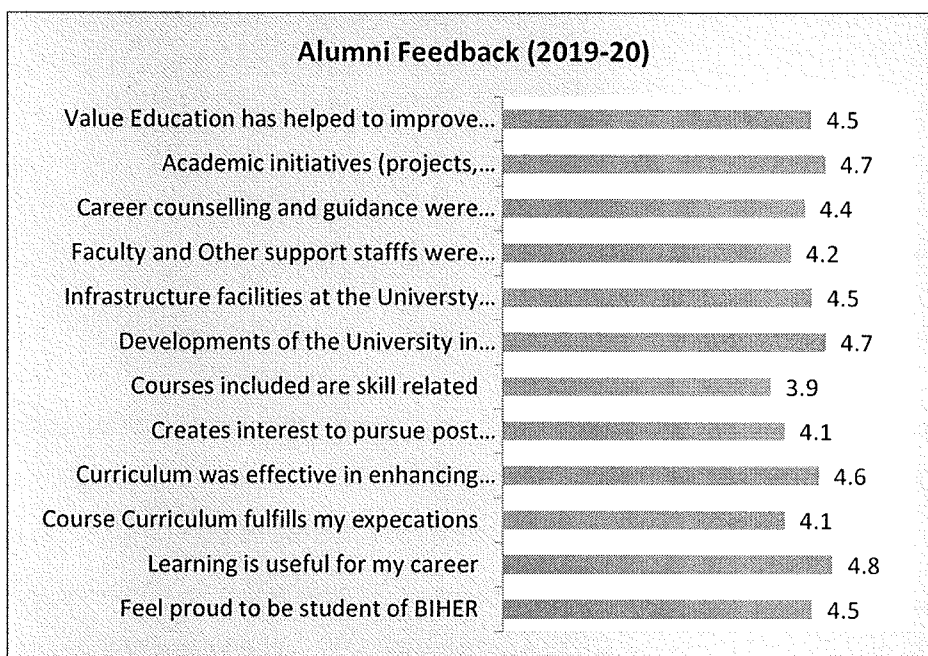


- Most of the employers feel that the course objectives and modules are defined and structured in a logical sequence (4.1/5)
- It is clearly evident that the emphasis laid in the curriculum emphasizes on both fundamental and latest developments (4.4/5)
- Major focus is established in a balanced manner in both theory and application-oriented concepts (4.6/5)
- Many of them feel that the electives and value-added courses are of varied options (4/5)
- Technical and Communication skills are very well incorporated within the curriculum (3.9/5)
- Almost all of the courses in the curriculum impart knowledge and skills that are more specific for the job market (4.7/5)
- There is an effective incorporation of computer skills and other soft skills needed for employment (4.2/5)
- Includes project, dissertation, in-plant training and field visit for real life experiential learning (4.8/5)
- The scope for acquiring employable and entrepreneurial skills are more adequate (4.3/5)
- Curriculum includes human values and ethics (4.8/5)



ALUMNI FEEDBACK

An alumnus plays multiple roles towards achieving success in higher education. They not only establish recognition for the institution, but also facilitate internship and career opportunities for their junior fellow students. They provide meaningful and mutual benefits for an institution over time.



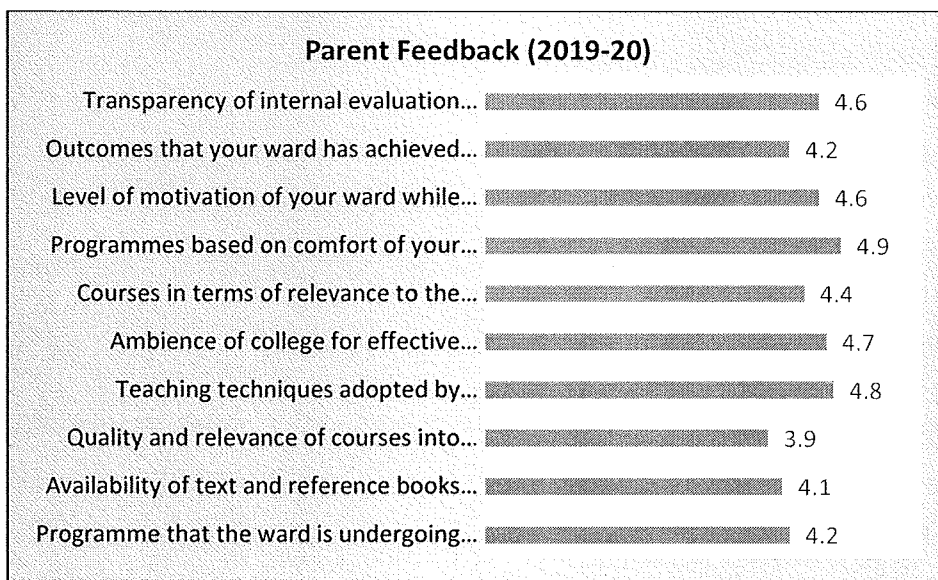
- The Alumni feel proud to be part of the Bharath Institute of Higher Education and Research (4.5/5)
- The learning that is achieved through this institution is more beneficial for growth in career (4.8/5)
- Most of the alumni feel that the offered course curriculum design fulfilled their expectations (4.1/5)
- It is more evident that the curriculum was effective in enhancing team-working abilities and developing problem-solving and analytical skills (4.6/5)
- The syllabus created inculcates interest to pursue post-graduation/research in the particular field (4.1/5)
- More of skill related courses are also included in the programme (3.9/5)



- The growth and development initiatives in the recent years are more convincing and appreciative (4.7/5)
- There are adequate infrastructural facilities offered at the institution (4.5/5)
- The teaching and non teaching staffs offer extended support and are helpful and cooperative (4.2/5)
- Most of the alumni feel that the guidance and career counseling offered are more effective and fulfilling towards the growth of their career (4.4/5)
- Academic initiatives taken by the University in the form of projects, seminars, workshop, etc., improve the knowledge of the students (4.7/5)
- Value Education imparted in the University has helped to improve life skills (4.5/5)

PARENT FEEDBACK

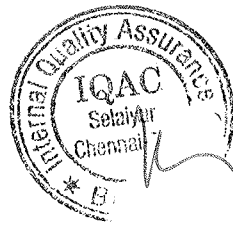
Institutional goals and objectives are focused towards the development of the students. Still, parents also play a vital role in assessing their ward's performance off the premises that might go unnoticed. Their suggestions and feedback will enhance any institution to customize the curriculum according to societal needs.



- Programme that the ward is undergoing in terms of load of courses in different semesters has been assessed in its better quality by many parents (4.2/5)
- There are major sources available for text and reference books in market (4.1/5)



- Quality and relevance of courses into semester are more fulfilling and convincing (3.9/5)
- Teaching techniques adopted by teachers with respect to syllabus are more focused (4.8/5)
- Most of the parents rate that there is better ambience maintained within the college for effective delivery of academic programmes (4.7/5)
- Courses offered are more relevant to the latest technology or future technology (4.4/5)
- Programmes are well organized that it falls into the ambit as well as based on comfort of their ward in coping with workload (4.9/5)
- Parents believe that the level of motivation supported to their ward while undergoing programme are highly commendable (4.6/5)
- They also express that the outcomes that their ward has achieved from courses are appreciable (4.2/5)
- There exists transparency in the internal evaluation system throughout the programme (4.6/5)





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School of Mechanical Engineering

Action Taken Report

2019-20

- In the next Board of Studies Meeting, it will be suggested to include more realistic problems in the curriculum.
- As per the norms prescribed by governing bodies, number of courses that the student undergoing per each semester and corresponding syllabus is prescribed by expert members in Board of Studies Meeting. Hence, the semester work load that the student undergoes is well planned to remove excess stress on student. Also various teaching methodologies are implemented to reduce the workload on students.
- In the upcoming semester, Department decided to offer more number of electives such as open elective, MOOC Courses.
- Department planned to procure equipment and software beyond the curriculum in order to increase the research activity and paper publication.
- Centre for defence application is established to encourage innovative projects from the students.
- In the upcoming BoS meeting it will be suggested to include more practical oriented subjects and additional laboratories.
- More MoU's and industry-institute programs are planned to be implemented in upcoming semesters.
- Curriculum is framed to have adequate courses for skill development.
- More number of interactive programs will be planned in the upcoming semesters.
- As per the norms prescribed by governing bodies, the number of courses allotted for value education is adequate however; certain measures will be taken to improve the students learning process.
- Various teaching methodologies are being implemented in department and BoS meetings are conducted on regular basis to update curriculum as per the requirement of industry. However faculties will be trained to improve quality of teaching.
- Various teaching techniques like Smartboard, LED projectors, live demonstrations are regularly implemented by course coordinators. However, scaled models are fabricated / procured for live demonstration in the classrooms.
- Paper evaluations and marks allocation for all courses are monitored by Dean and Head of the Department.

