

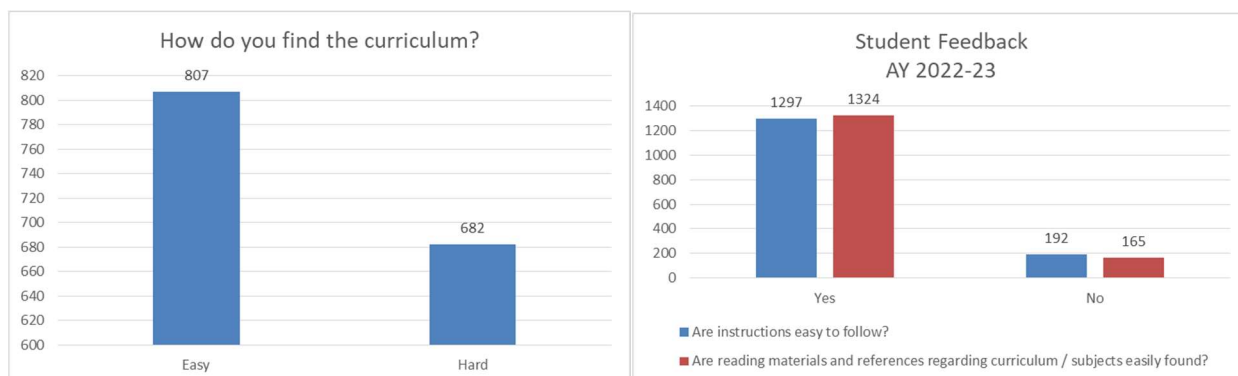


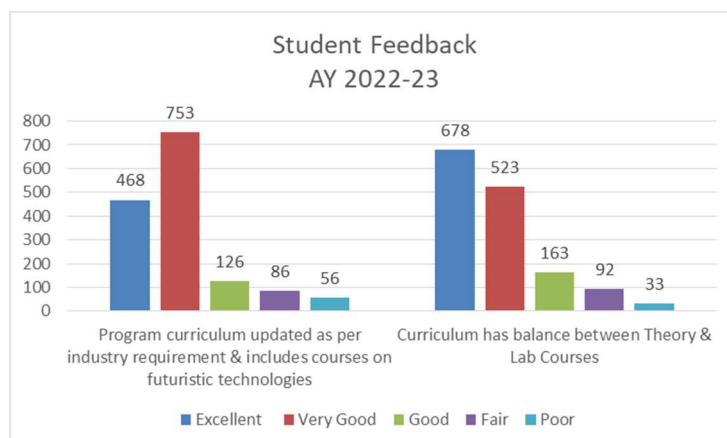
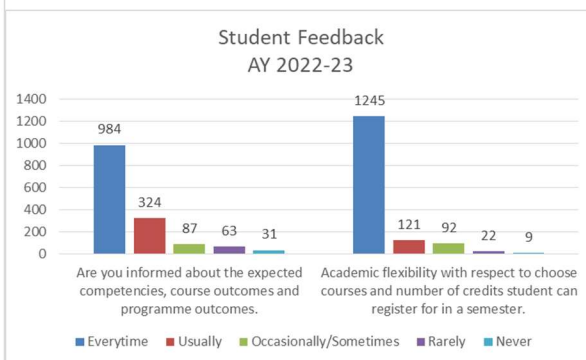
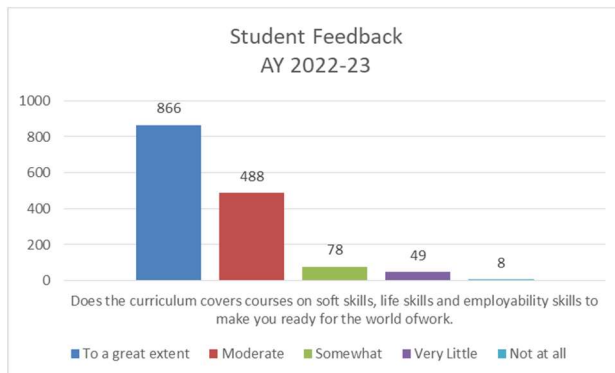
The aim of the feedback is to monitor, review and improve the overall quality of the teaching learning process at MRU. Feedback of different stakeholders including students, faculty members, alumni and employers is conducted on curriculum design and development with an aim to strengthen and improve the academic system at Manav Rachna University. Once submitted, the feedback from the various stakeholders is collated and analyzed for taking an appropriate action on a regular basis for syllabus revisions, restructuring of the curriculum and quality improvement. The complete feedback report is hosted on the institutional website to maintain transparency. The entire feedback process is executed by a dedicated Feedback Committee.

A. Student

The student feedback is an essential aspect of effective learning and enhancing his/her learning experiences. The student feedback facilitates students' engagement for constructive improvement in the teaching learning process. In the AY 2022-23, student feedback against various aspects of curriculum was taken like updation or appropriateness of the programme curriculum as per industry requirement, balance between theory & lab component, academic flexibility with respect to choice of courses and focus on skill based & multidisciplinary courses for the holistic development of students.

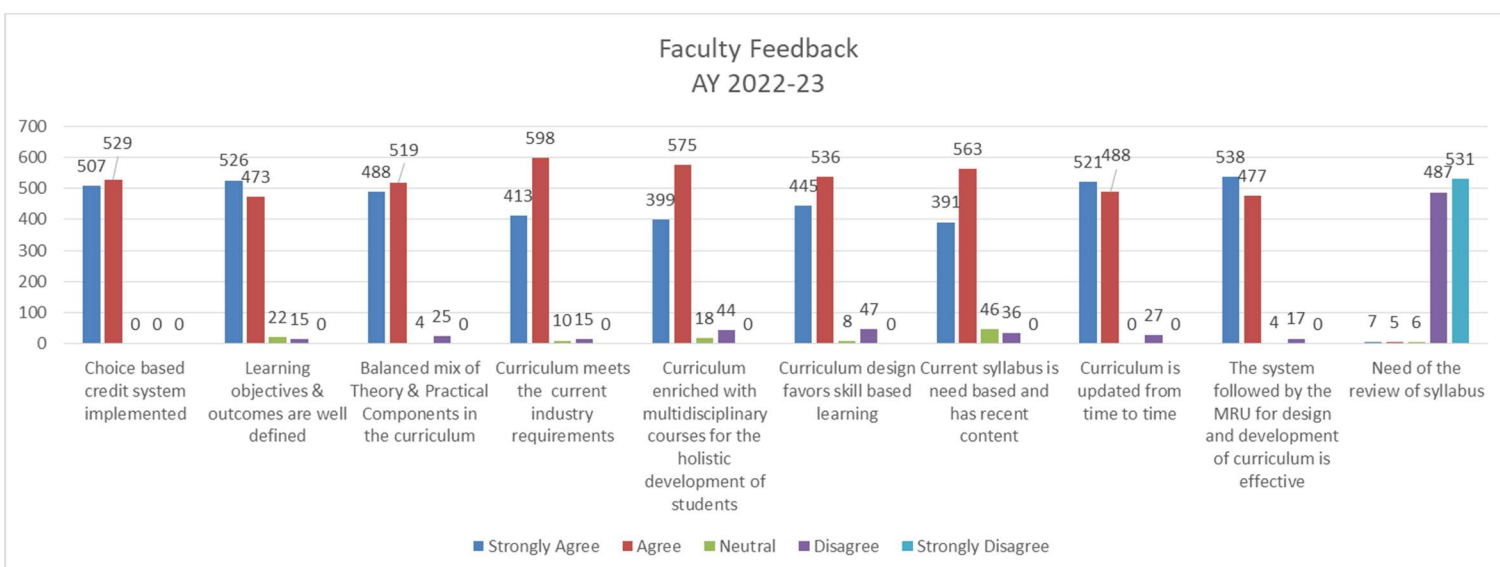
Out of the 1489 respondents, 90% students responded in the category of Excellent, Very good and good and believe that the curriculum meets the industry requirements. They also admit a good balance between the theory & practical component in the curriculum and also have an opinion that the curriculum is supplemented with modules on soft skills, life skills and employability skills to a great extent.





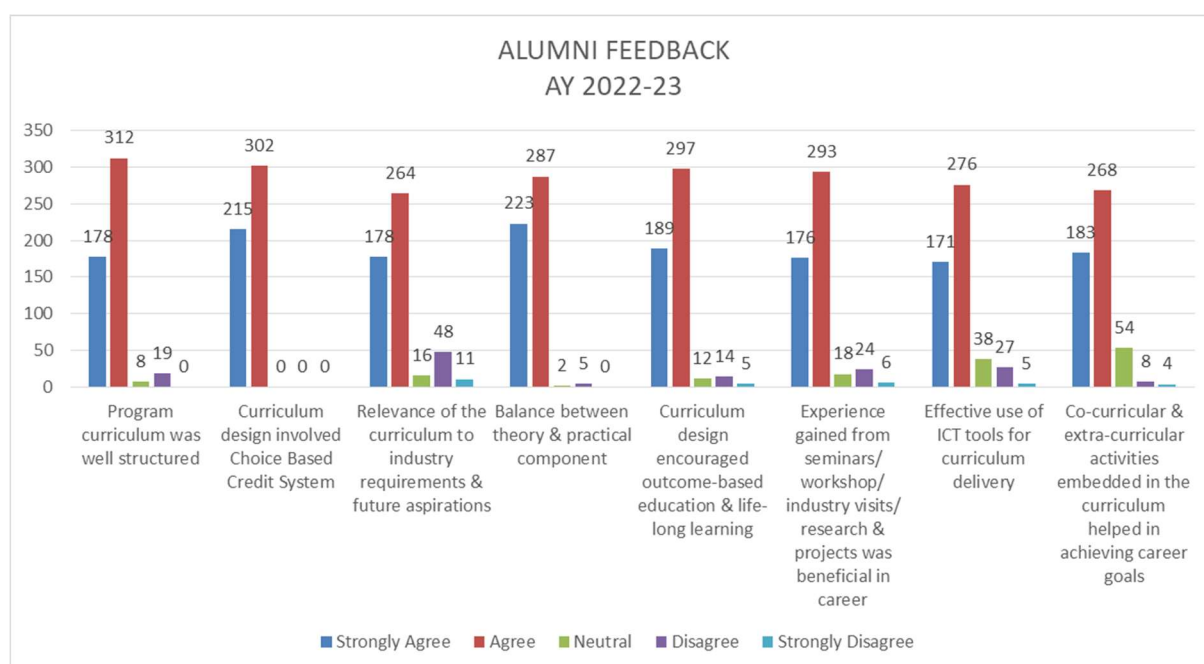
Faculty Feedback

The faculty feedback on curriculum is conducted with an objective to revise/update the curricula as per the needs for students' employability, higher studies or entrepreneurship. In the AY 2022-23, faculty feedback against the 1036 courses on various aspects of curriculum such as effective implementation of CBCS, balance between theory & practical components in the curriculum, suitability to meet the industry demands, inclusion of skill based & multidisciplinary courses along with regular revision requirements was received. 96% of the respondents strongly agreed and agreed that the curriculum design & development process adopted by the university is effective.. Detailed statistical graphs showcasing the responses are presented below:



Alumni Feedback

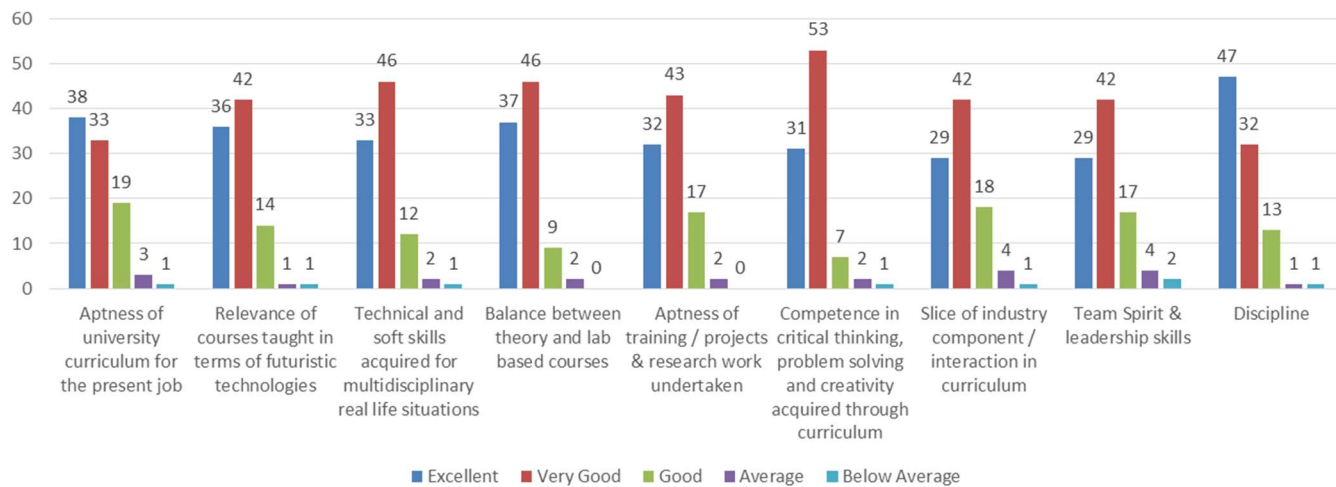
Alumni feedback on curriculum design and development is invaluable for institutions aiming to enhance their educational programs. Alumni often have a unique perspective on the curriculum's effectiveness and relevance to real-world situations, having experienced the program firsthand and subsequently entering various professional fields. The feedback was undertaken on variety of aspects such as structure of the program, availability of choice-based credit system, relevance of the curriculum to industry requirements, a balanced mix of theory and practical. Integration of outcome-based and lifelong learning, usage of ICT in curriculum delivery and hands-on practical exposure in curriculum. A graphical illustration of these components is given below to summarize student alumnus responses:



Employer Feedback

The Employer feedback evaluates the applicability of the concepts, tools, activities, training, case studies presented in the curriculum for employability skills among graduates. In the AY 2022-23, employer feedback on the parameters like aptness of university curriculum with respect to job market, relevance of courses in terms of futuristic technologies, balance between theory & practical, competence in critical thinking, problem solving and creativity along with life skills like Team spirit, discipline was taken. Responses from 94 employers were received. 96% of the employers were satisfied with the student's theoretical and practical knowledge

EMPLOYER FEEDBACK AY 2022-23



ACTION TAKEN REPORT

A. Student

S. No.	Feedback	Action Taken Report
1.	Curriculum Aspects	In theory revisions have been made to make the syllabus as per the various entrance exams and industrial applications. New subject were run on the basis of suggestions received from students. In laboratory, practical's lists have been revised completely to incorporate use of new instruments.
2.	Administrative system & its effectiveness	Students will be informed in detailed in the beginning of semester.
3.	Continuous Assessment in place of midterm and end term exam.	Midterm and end term for regular courses are compulsory. Though the courses in PBL mode can be assessed through viva , presentation etc.
4.	In few courses, syllabus is very vast. It must be reduced.	Syllabus of DEMC and Physics for Engineers revised.
5.	Interactive sessions would be more beneficial apart from the classroom teaching	Cooperative learning methods introduced.
6.	More focus on teaching practical things like drafting etc.	Following courses have been added to the curriculum Entrepreneurship Digital Marketing Leadership Skills Course of Drafting, Pleadings and Conveyance is already being offered to the students.

B. Faculty

Department	Feedback	Action Taken Report
Department of Computer Science & Technology	<ol style="list-style-type: none"><li data-bbox="516 379 906 540">1. Curriculum with a well-balanced combination of theory and lab components<li data-bbox="516 580 906 661">2. Curriculum is having good academic flexibility	<ol style="list-style-type: none"><li data-bbox="927 271 1336 352">1. Every theory class has a lab component with that.<li data-bbox="927 365 1336 526">2. The BOS recommends changing the curriculum in accordance with the demands of the market.
Department of Mechanical Engineering	<ol style="list-style-type: none"><li data-bbox="516 962 906 1096">1. Latest equipment should be purchased on regular basis.	<ol style="list-style-type: none"><li data-bbox="927 921 1336 1056">1. List of equipment asked by faculties to improve the quality of practical classes

<p>Department of Electronics & Communication Engineering</p>	<p>1. Introducing Job oriented Certification courses.</p> <p>2. Elective courses to be offered as MOOC.</p> <p>3. New VAC courses to be introduced.</p> <p>1. Syllabus revisions proposed in DEMC and Physics for Engineers.</p>	<p>Certification courses have been approved through BOS and BOF in Firmware developer, IOT firmware developer and Embedded systems design in collaboration with Industry Partner Embedkari.</p> <p>Students have been introduced to NPTEL, Infosys Springboard and courseEra for taking up elective courses as MOOCs.</p> <p>VAC courses in MATLAB, Python and PLC introduced.</p> <p>(a) Syllabus for DEMC was revised. Syllabus modified to focus more on fundamentals and reduce the number of Topics.</p> <p>(b) Syllabus for Physics for Engineers was revised. New topics introduced and topics overlapping in courses like EDC and BOEE were removed.</p>
<p>Department of Mathematics</p>	<p>As per the stakeholder feedback, revision in courses offered in UG and PG programme is required.</p> <p>SR-I, SR-II credits were decreased by 2 in the last BOF 2022 so project credit should also be decreased by 2. Need to insert some new courses in curriculum.</p> <p>Professional development courses for both UG & PG mathematics would be beneficial for student in placements & career ahead.</p> <p>As per the industry recruitment introduces new elective Course in MSc. Mathematics.</p> <p>The course Mathematical Statistics is recommended for M.Sc Students (first year) as this course provides understanding from data and has wide applications.</p>	<p>Course revisions have been incorporated in the curriculum as per direction of BOF- 2022 and approved in BOS- July, 2023.</p> <p>2. SR-I, SR-II and project credit decreased by 2 in the new program structure for Batch 2023-2025 and onwards.</p> <p>3. Professional development courses PC-I, PC-II, PC-III, PC-IV, PC-V were added in B.Sc.(H) Maths curriculum and PC-PG, PC-PG-I, PC-PG-II were added M.Sc. Maths curriculum from batch 2022 onwards</p> <p>4. Based on the feedback received by faculty members, Mathematical Statistics and Mathematical Modelling are introduced in M.Sc Program as core courses & Advanced Discrete Mathematics and</p>

		Advanced Numerical Analysis are introduced in M.Sc Program as core courses.
Department of Education & Humanities	<p>1. Needs some revision in practical syllabus and should be continuously updated according to the industry demands</p> <p>2. Integrating multicultural and global perspectives throughout the curriculum can help students develop a deeper understanding and appreciation of different cultures and foster a more inclusive learning environment. It is also essential to incorporate content that addresses social justice issues, promotes equity, and challenges biases and stereotypes, thus empowering students to become informed and empathetic global citizens.</p> <p>3. Needs more organization with practical components of the courses</p>	1.

<p>Department of Physics</p>	<ol style="list-style-type: none"> 1. More VAC courses having relevance in terms of futuristic technologies should be incorporated in the curriculum. 2. More Elective courses should be offered as per current requirement. 3. There should be an option for fast track online courses offered by other universities for final year students. 	<ol style="list-style-type: none"> 1. VAC Course “Solar energy-Technology and systems” has been reviewed and implemented for the academic year 2022-23. 2. Elective courses such as Basics of Remote Sensing, Ionospheric precursors of earthquakes, Energy Environment and climate change concern have been incorporated in program structure. 3. Courses like Waves and oscillations (IISER Pune) , Thermodynamics (IIT Madras), Advanced quantum mechanics with applications (IIT Guwahati) etc. are optional for final year students that can be done in online mode also
<p>Department of Chemistry</p>	<ol style="list-style-type: none"> 1. Minor revision of course content of B. Sc.(H) Chemistry program and inclusion of new electives ‘Applied chemistry and Nano Chemistry’ in the 5 th semester of B. Sc.(H) students admitted in 2022 batch onwards. 2. Minor revision of course content of M. Sc. Chemistry program and inclusion of new electives ‘Quantum Chemistry’ in the 3 rd semester of M. Sc. Chemistry students admitted in 2022 batch onwards. 3. Finalization the course contents of Additional Certificate Course on ‘Cement Technology for all M.Sc. students admitted 2022 onwards. Finalization of Additional Certificate Course on 	<ol style="list-style-type: none"> 1. Summer training is shifted from post second semester to post fourth semester and credits has been increased from 2 to 3. Summer training is now 3 credit course. In fifth semester, domain elective basket of 2 credits has been revised as a 4 credit basket with L-T-P (3-1-0). Two new course Applied Chemistry and Nano Chemistry have been introduced in this basket and their syllabus has also been approved. In the same basket the Food Science course which was earlier being offered in 6th semester has now been incorporated in the same basket. 2. Minor revision of course content of M. Sc. Chemistry program and inclusion of new electives ‘Quantum Chemistry’

	<p>'Food Technology and Environmental Planning Auditing and Management Technology for all B.Sc. (H) students admitted 2021 onwards..</p>	<p>in the 3rd semester of M. Sc. Chemistry students admitted in 2022 batch onwards.</p> <p>1. In third semester a basket of Domain Elective with 2 credits has been introduced to offer course on thrust areas. Initially we are offering one course on Computation chemistry (CHS620B) and further more course related to thrust areas and Industrial requirement will be added. The syllabus of Computational Chemistry has been approved.</p>
Department of Law	<p>1. 1. New VAC courses to be introduced.</p> <p>2. 2. More value added courses should be added.</p>	<p>1. Capsule Courses Basket created to be offered to industry experts to teach as Value added courses.</p> <p>2. More number of Value Added Courses are now being offered to the students.</p>
Department of Management & Commerce	<p>1. The curriculum is relevant and meet the industry requirements. Though time to time it should be up syllabus of Global Health Care to be reviewed, existing syllabus to be revised currently three is no changes recommended in the existing syllabus.</p> <p>1. Rename the operation management program to Global Operation Program dated as per recent advancements. Introduction of Project based learning (PBL Mode) in BBA-FAA 6</p>	<p>1. The syllabus of HCM was proposed on the basis of feedback from the faculty and industry expert. The nomenclature of subject introduction to healthcare to introduction to global healthcare management.</p> <p>1. The name of the program was proposed to be changed from Operations management to Global operations management in view of the emerging trends in area of operations and logistics management.</p>

	<p>Sem for subject CSR & Business Ethics (Rubrics to be shared). BBA - Finance & Accounts 5th Sem- Financial Derivatives(old)- change in syllabus More Application based exercises need to be incorporated</p> <ol style="list-style-type: none"> 2. Few subjects taught in the BBA EFb branch like CIE, Fundamentals of Design thinking syllabus content to be revised. 3. Practical paper AEP (Applied Entrepreneurship Program) can be of 3 credits to increase the weightage of the course. 	<p>Proposed changes were approved in BOS held on 18th Feb 2023.</p> <ol style="list-style-type: none"> 2. Based on Industry requirements, and feedback from the faculty, syllabus was proposed to be changed in BBA EFB in the said subjects and were proposed and approved in the BOS held on 18th Feb 2023. 3. It was also proposed by the faculty to increase the credit of the subject Applied Entrepreneurship Program, so as to increase the weightage of the subject for BBA EFB students.
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C. Alumni

S. No.	Feedback	Action Taken Report
1.	Include more visits and workshops in the department	In the current academic year, an activity calendar is planned wherein month -wise events have been scheduled and shared with students for transparency. These include regular academic workshops and field-trips
2.	Department library should contain books which are suggested by the faculty to the students	Books suggested by faculties have been added to the department library and more suggestions of reference books, journals and light-reading books have been shared with central-library for requisition in the academic year for students.
3.	Improving the credit system for PSC extra course if the student wants to take up in one semest4r.	The system of credit system per semester is fixed by UGC and NCTE guidelines, hence, if the student has PSCs then the credit per semester has to be adhered to.
4.	More industry oriented courses should be included	TrueChip courses have been introduced which are designed and delivered by industry experts.
6.	Should have training program for betterment.	CDC sessions have been arranged. Weekly two hours classes will be held.
7.	Minor/Major project should be a choice.	Kept in a basket for choice.
8.	Assignment should be based on case studies	On the basis of feedback received from the alumni , it was discussed with the faculty that internal assessments must include parameters that incorporate experiential learning methods like case study discussion, role plays, projects etc so that the students have better teaching learning experience

D. Employer

S. No.	Feedback	Action Taken Report
1	Can add some certification to the academic program and add some live/real life projects.	Introduced LinkedIn Learning certification courses for improving the skills required for employability. More courses were delivered through Project Based Learning.
2	Enhance Student exposure on Job training.	To cater this, industry persons and visiting faculties are invited to take student lectures.
3	Alumni connect can be helpful for students.	To cater this, placement talks from alumni are organized. That students are finding really helpful.