

MVJ College of Engineering, Bengaluru

(An Autonomous Institute)

Affiliated to VTU, Belagavi; Approved by AICTE, New Delhi; Recognized by UGC with 2(f) & 12 (B); Accredited by NBA & NAAC

The stake holders feedback and action taken report has presented to the Governing Council members during XXIX meeting on 10.10.2020

Department of Aeronautical Engineering

Type of	Feedback Observed	Action Taken
Feedback		
Students	The Metrics considered for feedback are the outcome that is expected from the courses offered, relevance of the units in the syllabus and the allocation of the credits to each course, electives offered and relevance of the offered elective to technology advancement, and the quantum of lab offered. 1. Most of the feedback concludes that the lab curriculum is effective and students expect more hands-on	 A video of Aeronautical Engineering lab experiments was recorded and shared with the students, helping them to have a better understanding of the topic. The content of the modules for each course was modified in the BOS meeting, based on industry feedback. The latest Aeronautical Engineering courses are given as open elective, and students can opt for an elective based on their interest in any particular domain.
	experience.2. The Unit content should be according to the relevance of industry needs.	• Besides the curriculum, industry- trained faculties are conducting classes that are more relevant to Aeronautical industry requirements.
Faculty	The Metrics considered for feedback are whether the syllabus has a good balance between theory and lab, whether the Course/Syllabus increases the knowledge of faculty, whether the books prescribed are relevant, and whether the course/program of studies carries sufficient number of optional papers. • Most of the feedback concludes that	Currently, the scheme and the syllabus have been considered by taking into account recent trends in Aeronautical Engineering technology, so that the industry-academia gap can be bridged. The technology changes are evaluated, and scheme and syllabus are constantly updated for the benefit of students. • To match current industry trends, faculties are undergoing various
	there should be more of Aeronautical lab curriculum, to meet industry needs.	Faculty Development Programmes, seminars, and training by industry experts.
Alumni	 The Metrics considered for feedback are placement and curriculum. Most of the feedback concludes that more hands-on experience is needed to make the students ready to meet the needs of the industry. Curriculum is not helping them to become industry-ready, they need more training to take up industry 	 Students are encouraged to take up real time projects in Aircraft industries and Aircraft production industries. They are advised to participate in industrial visits and complete their internship program in Aeronautical industries. Curriculum is being updated on recent trends and technologies in the thrust areas of Aeronautical Engineering.

	projects.	
	The Metrics considered for feedback are whether the syllabus is suitable for industrial requirements, whether the course can augment the technical knowledge of students, and whether there is focus on developing ethics in the graduates.	Currently, the scheme and the syllabus have been framed and implemented as per the recommendations of the experts and Board of Studies members. Industry-Academia partnerships are formed. The syllabus is framed ensuring more of lab and activity sessions.
Employer	 Most of the feedback concludes that our curriculum needs to be updated as per Aeronautical Engineering trends and technologies. More hands-on training is needed, and more practical sessions need to be introduced. 	• Faculties are taking part in various training programmes by industry experts so as to keep the students updated on the latest requirements of the Aeronautical industry.
	 Feedback was collected from parents of all semester students. The Metrics considered for feedback are facilities, curriculum, placement, entrepreneurship, academic facilities, mentoring and overall development of the students in sports and curriculum. As far as the areas of placement, entrepreneurship, encouragement and 	Currently, the scheme and the syllabus have been modified based on the needs of the industry, through discussions with experts in various areas of Aeronautical Engineering. With this action, the students will be able to match the needs of the industry, and the industry-academia gap can be narrowed. The syllabus is framed,
Parents	 entrepreneursmp, encouragement and motivating of students and providing support for initiating start-ups, the feedback is good. Curriculum needs to be modified to match the needs of industry. 	 ensuring more of lab and activity sessions. Entrepreneurship is encouraged. Students are encouraged to participate in programmes to improve their skills.

Department of Aerospace Engineering

Type of	Feedback Observed	Action Taken
Feedback		
Students	 The Metrics considered for feedback are outcome expected from the courses offered, relevance of the modules in the syllabus and the allocation of credits to each course, electives offered and relevance of the offered elective to technology advancement, and the quantum of lab offered. Most of the feedback concludes that the lab curriculum is effective and students expect more hands-on experience. The module content should be according to the relevance of industry needs. 	 The content of the modules for each course was modified at the BOS meeting, based on industry feedback. The latest Aeronautical Engineering courses are given as open elective, and students can opt for an elective based on their interest in any particular domain. Besides the curriculum, industry-trained faculties are conducting classes that are more relevant to Aerospace industry requirements.
Faculty	 The Metrics considered for feedback are whether the syllabus has good balance between theory and lab, whether the Course/Syllabus increases the knowledge of faculty, whether the books prescribed are relevant, and whether the course/program of studies carries sufficient number of optional papers. Most of the feedback concludes that Aerospace lab curriculum has to be more intense, to meet industry needs. 	 Currently, the scheme and the syllabus have been considered by taking into account the recent trends in Aerospace Engineering technology, so that the industry-academia gap can be bridged. The technology changes are evaluated, and scheme and syllabus are constantly updated for the benefit of students. To match current industry trends, faculties are undergoing various Faculty Development Programmes, seminars, and training by industry experts.
Parents	 The feedback was collected from the parents of all semester students. The Metrics considered for feedback are facilities, curriculum, placement, entrepreneurship, academic facilities, mentoring, and overall development of the students in sports and curriculum. Curriculum needs to be modified to match the needs of the industry. 	 Currently, the scheme and the syllabus have been modified, based on the needs of the industry, through discussion with experts in various areas of Aerospace Engineering. With this action, the students can match the needs of the industry, bridging the industry- academia gap. The syllabus is framed ensuring more of lab and activity sessions. Various Club activities help to enhance the students' ability and knowledge. Entrepreneurship is encouraged, and students are motivated to participate in programmes to improve their skills.

Department of Chemical Engineering

Type of Feedback	Feedback Observed	Action Taken
Students	 Most of the students gave feedback on placements and internship. Students gave feedback on lab equipment and content of the syllabus. 	 Reputed companies like Baldota group, ion exchange, TCS, Cognizant etc. have visited the campus, and students were placed in these companies. New experiments were included in the 2019 Autonomous Syllabus, and accordingly, lab facilities have been enhanced based on the industry requirements. Thus, students can get more practical knowledge. It is a common practice for students to have internship between 3rd year and Final year.
Faculty	 The Metrics considered for feedback was whether the syllabus has a good balance between theory and lab. Faculty opined that the syllabus is up to the mark. 	 Currently, the scheme and the syllabus have been considered according to recent trends in technology, so that the industry-academia gap can be bridged. So, as technology changes, the scheme and syllabus is updated for the benefit of students.
Alumni	 Alumni suggested that students need more practical-based knowledge. Most of the concerns were about the upgradation of lab and syllabus. More Industrial visit tours must be organized to ensure that students acquire practical knowledge, which will in turn improve their chances at placements and opportunities. 	 Reputed companies for placement like Baldota group, ion exchange, TCS, Cognizant etc. have visited the campus and students have been placed. New experiments were included in the 2019 Autonomous Syllabus, and accordingly, lab facilities have been enhanced based on industry requirements. Thus, students can get more practical knowledge. Industrial visit is a part of the curriculum and students are given one-day tours to organizations like HPCL R&D, Semi lab etc.
Employer	NIL	NIL
Parents	 The feedback was collected from all semester parents. Most of the concerns were regarding placement, internship, and overall 	• Various events were conducted so that students have more hands-on experience.

development of the students in sports and curriculum.	 More number of core companies like ion exchange, Baldota group etc. visited the campus this year, compared to previous years. It is a common practice for students to do internship between the 3rd and Final year, and we encourage students to do internship in HPCL, R&D, Mangalore Refinery, BIOCON, BASF etc.
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Department of Civil Engineering

Type of Feedback	Feedback Observed	Action Taken
Students	More than 90% of the students are satisfied with the syllabus of courses, with reference to the competencies expected, relevance of units in the syllabus, allocation of credits, electives offered in relation to technological advancements, syllabus in terms of load, extra learning and self-learning, evaluation scheme, objectives and percentage of courses having lab components.	Workshops and guest lectures are conducted by experts to enhance student's knowledge and skills, and to get them abreast of technological advancements.
Faculty	95% of faculty are satisfied with the syllabus, aims and objectives of the syllabi, course content and references and balance between theory and Lab.	The scheme and the syllabus have been considered by taking into account the recent trends in Civil Engineering technology, so that the industry- academia gap can be reduced. The technology changes are evaluated, and scheme and syllabus are constantly updated for the benefit of students. To cope up with the current industry trends, faculties are undergoing various Faculty Development Programmes, seminars and training by industry
Alumni	The Metrics considered for feedback are technical knowledge, on campus, off campus placement opportunities, Institute-Alumni association, and further improvements in future.More than 90% of the alumni agreed that the aspects of technical knowledge and Institute- Alumni association were satisfactory. Some suggestions were given on improving campusSuggestions relating to increasing the number of cultural events were also given.	experts. Students are encouraged to undergo internships in organizations where construction projects are going on, currently. Also, institutional interaction is planned by way of inviting guest lectures by experts from the industry. Industrial visits are organized for the students to get exposure on the different techniques and methods followed in construction activities.
Employer	Inputs were taken from industrial experts at the BOS meeting. The Metrics considered for feedback are	Currently, the scheme and the syllabus have been framed and implemented as per the recommendations of the various experts and Board of studies members. Industry-academia partnerships have been formed. The syllabus has been framed to ensure more of lab and activity sessions. Students are encouraged to undergo
	academic resources, campus placements, infrastructure facilities and mentoring	internships, mandatorily, in organizations where construction

	facilities.	projects are going on, currently. Also,
Parents	More than 90% of parents are satisfied and a	institutional interaction is planned by
	few suggestions were given on campus	way of guest lectures and workshops
	placements.	by industrial experts.
		Industrial visits are organized to help
		students get exposure of the different
		techniques and methods followed in
		construction activities.

Department of Computer Science and Engineering

Type of Feedback	Feedback Observed	Action Taken
Students	 Practical exposure can be provided for real time problem-solving. Students must be supported to find innovative solutions. The syllabus must be designed to be career-specific. 	1. More laboratory sessions have been included in the updated curriculum. Ability enhancement courses like SDC, Tomorrow's Engineers, Robotics and Automation and FSIPD will help students to improve their knowledge skills and capabilities.
	4. More mock interview sessions can be held, before placements.	2. Through Innovation Incubation and Entrepreneur Council (IIEC), students are motivated to take up real world problems, and provide innovative solutions to those problems.
		3. Job oriented subjects are included in the curriculum.
		3. Through the MVJCE Alumni Association, mock interviews and resume writing sessions have been arranged, for final year students to walk through interviews, with confidence.
Faculty	 In c programming for problem solving, file management concepts need to be incorporated. Python programming to be included as core subject instead of as a professional elective course. Courses on trending technologies are to be included in professional elective courses. 	1. These points were discussed in the internal BOS meeting, and will be included in the updated scheme.
Alumni	 Included in professional elective courses. The Metrics considered for feedback are placement and curriculum. 1. Alumni suggested that we should go for On-demand certifications like AWS/Azure/ Google /SAP certifications 2. More number of events to be conducted. 3. Project-based learning to be implemented. 	 2 Credits-based Certification Courses are made mandatory as part of the curriculum, from the 2019 scheme onwards. Students can take up their certification course right from their 5th semester, with a minimum of 30 contact hours – this is implemented in the 2019 scheme curriculum. 3. As part of the curriculum, mini projects are included in DBMS, Web Technology and Mobile Application Development courses.
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	1. Employers are happy and satisfied with	1. we modified our curriculum to fulfil

Employer	 our curriculum and teaching process. 2. Employers are happy with the performance of our students, during their internship training period. 3. They advised that the curriculum could be modified to suit industry needs (Practical skills should be developed). 	 industry requirements. 2. We increased the practical and internship hours in our updated curriculum. 3. We have implemented subjects like block chain, Deep learning, Agile Technologies etc. which are aspects of recent technologies.
Parents	 Parents are satisfied with the good infrastructure of the college and have found the campus to be safe and secure for their children. Parents are satisfied with the counselors and the mentors provided by the college. They would like us to encourage students to do internship from the beginning of the semester. Mock interview sessions must be held for students. 	1.We addressed this issue at the BoS meeting, and await approval from the members.

Department of Electronics and Communication Engineering

Type of Feedback	Feedback Observed	Action Taken
Students	 The Metrics considered for feedback are competencies expected from the courses offered, relevance of the units in the syllabus and the allocation of credits to each course, electives offered and relevance of the offered elective to advancing technology, and the quantum of lab offered. Students' feedback was to give more projects, on a regular basis. They suggested that more relevant elective courses which are relatable to industry requirements, must be included. 	 Contents of the modules for each course are decided, based on industry feedback given at the BOS meeting. The number of courses in open elective list has been increased, giving freedom to students to opt for an elective based on the domain in which they are interested. Mini Project is included which gives students the opportunity to implement and understand what they have learnt in the theory sessions.
Faculty	 The Metrics considered for feedback are whether the syllabus has a good balance between theory and lab, whether the Course/Syllabus increases the knowledge of faculty, whether the books prescribed are relevant, and whether the course/program of studies carries sufficient number of optional papers. The feedback given by faculty was on lab syllabus, which they said is up to the mark, but needs to be updated on a regular basis so as to include current industry trends. 	 Currently, the scheme and the syllabus have been considered by taking into account the recent trends in technology, so that the industry-academia gap can be reduced. So, as the technology changes the scheme and syllabus is updated for the benefit of students.
Alumni	 The Metrics considered for feedback are placement and curriculum. Alumni suggested that students need more practical knowledge to make them industry ready. Opportunities of interactions between alumni and students must be provided, for exchange of ideas and experiences. Hands on experience to enhance the theoretical knowledge and to include industrial visit. 	 Industrial visit is a part of the curriculum and students are given a one-day tour to organizations like BSNL, ISRO and HAL. Internship is mandatory as per the curriculum, as it gives the students an experience of the working atmosphere of an organization. Guest Lectures are given by prominent Alumni, ensuring an interaction with them, which motivates students and gives them a perception on how to choose their career.
Employer	• The Metrics considered for feedback are whether the syllabus matches industrial requirements, and whether the course is enhancing the technical knowledge and	• Currently, the scheme and the syllabus have been considered by taking into account the recent trends in technology, so that the industry-

	ethics in the graduates.	academia gap can be reduced.
	• Most of the feedback given by the	• As the college is autonomous, every
	employers was good. In their opinion, the	year the syllabus is updated to meet
	students are well-trained and have good	industry requirements.
	technical knowledge.	
	• Syllabus is as per requirements, but still	
	needs to be updated regularly.	
	• The merits considered for feedback are	• Currently, the scheme and the
	syllabus has good balance between	syllabus have been considered by
	theory and lab, Course/Syllabus	taking into account the recent trends
	increases the knowledge of faculty,	in technology, so that the industry-
	books prescribed are relevant, and	academia gap can be reduced. So, as
	course/program of studies carries	technology changes, the scheme and
	sufficient number of optional papers.	syllabus is updated for the benefit of
	• The feedback given by faculty was on	students.
	lab syllabus, which is up to the mark and	
Parents	but needs to be updated on regular basis	
	so as to include the current industry	
	trends.	

Department of Electrical and Electronics Engineering

Type of Feedback	Feedback Observed	Action Taken
Students	Students suggested to introduce multidisciplinary courses in the curriculum, as this will increase the opportunities for placements in various areas.	Open elective options are given to students, where they can choose the course from other disciplines, based on their interest. Courses like Python, Pulp and Paper Technologies, Energy and Environment, Web Technologies and Sensor Technologies are opted for by the students.
Faculty	Most of the faculty members are satisfied with the designed curriculum. However, some of them suggested that hands-on sessions and lectures on recent technologies must be arranged, which will help students to improve their practical knowledge, and also help them in placements.	A Guest Lecture on Electric Vehicles by eminent people from the industry was organized. Numerous laboratory sessions for each subject are included in the syllabus to give more hands-on experience to students.
Alumni	Most of the alumni suggested that software related courses must be introduced. Hands-on sessions must be organized as these will help students with their placements.	Workshops, including MATLAB Applications to Electrical Engineering and Application of Soft Computing Techniques to EEE, were organized to enhance their computer application knowledge.
Employer	Employers are happy with the performance of the students in both technical as well as HR interviews. However, they suggested to work on improving the knowledge of students on the latest technologies adopted by industries.	In this regard, multiple industrial visits are scheduled for the students. Also, courses like SciLab, eSIM, Aurduino, C and C++ are offered to students under the IIT-B Spoken Tutorial programme.
Parents	Most parents are happy with the curriculum. However, some of them suggested to add courses that will help their wards in placements, also in improving technical knowledge.	A programing language (Object Oriented Programing) is included in the 3 rd Semester, to increase the chances of placement in software companies. Courses like Embedded Systems, Industrial Automation, Electrical Vehicle Technology, VLSI Design, Energy Storage and Management System for EVs, Smart Grid, AI Techniques to Power Systems, System on Chip are offered to students, to improve their technical skills on recent technologies.

Department of Information Science and Engineering

Type of Feedback	Feedback Observed	Action Taken
Students	Need more practical-oriented courses/syllabus.	The syllabus has been reformed, with 20% of practical-oriented concepts in all the modules, to adopt a practical-oriented approach.
Students		
Faculty	Introduceinternships/researchopportunities in 2 nd and 3 rd years.Coursesshould be more inclinedtowards industry requirements.	 As per NEP, we have introduced internship from 1st year onwards. The recommendation has been put forth to BOS.
Alumni	More practical exposure needs to be provided to students pursuing Engineering education in the Institute rather than only theoretical knowledge. Trends in current technology can be added to the curriculum.	 Concepts relevant to current trends have been included, along with the prescribed syllabus. Every year, the syllabus will be reviewed in the BOS meeting and necessary changes will be adopted. People from the industry have been included in the BOS, for framing the syllabus.
Employer	The relevance of the curriculum with respect to current job profile must be improved.	 Guest lectures by experts from the industry are arranged, to give insights into industry processes. Interactive sessions with Alumni from industry are arranged. Value-added courses are arranged, for skill enhancement.
	Additional courses can be introduced, guided by the industry.	• Value-added courses/ Certification courses offered by the industries are introduced.
Parents		

Department of Mechanical Engineering

Type of	Feedback Observed	Action Taken
Feedback		
	 Industry experts to deliver lectures on important concepts. Extra learning or self-learning to be encouraged, considering the design of the courses. 	 More guest lectures, seminars by experts, and other events are organized. Students are introduced to the concept of 'Flipped Class' to improve self-learning. This issue has been addressed in the
Students	3. Academic load to be reduced, to promote the participation of students in technical events and competitions.	autonomous syllabus, after consultation with experts.
Faculty	1. The course/program of studies should carry diversified professional elective papers to suit the interests of students.	1. Addressed this issue in the autonomous syllabus by introducing interdisciplinary 'open elective' subjects with expert consultations.
Alumni	 Students need more practical information in the course. They need to be updated with new skill and design software. There should be more training on critical subjects. Interdisciplinary subjects must be included as electives. 	 Included practical demonstrations in required courses in autonomous syllabus, after expert consultations. Introduced value-added courses and Non- credit courses. Arranged more guest lecturers covering topics in critical courses. Introduced interdisciplinary 'open elective' subjects in autonomous syllabus, with expert consultations.
Employer	 Industry needs must be integrated into the academic curriculum. Communication skills of students must be improved. 	1. and 2 Addressed this issue in autonomous syllabus, with consultation from experts.
Parents	 Students should have more exposure to sports and cultural events. They should be very active both inside and outside the campus. 	 Various clubs organized and managed by students aim at giving them more exposure to extra-curricular activities. Students are encouraged to participate in technical and cultural club activities, inter- college and university level competitions and events.

Department of Medical Electronics Engineering

Type of	Feedback Observed	Action Taken
Feedback		
	Students have given very good feedback about the relevance of units in syllabus to the course. Incorporation of more lab components to the course was a suggestion.	Additional experiments are incorporated to each lab, to improve the practical knowledge of students.
Students		
Faculty	Faculty have given very good feedback about the syllabus content, and opined that the books prescribed in the syllabus are relevant to the subject.	NIL
Alumni	Alumni have given good feedback about the alumni association, college infrastructure etc. They suggested that placement activities could be improved.	A list of Medical Electronics related companies was prepared and the Placement department is following up on that.
Employer	NIL	NIL
Parents	Parents have given very good feedback about the teaching as well as other facilities like library, laboratories, campus and hostel. They suggested that placement activities can be improved.	A list of Medical Electronics related companies was prepared and Placement department is following up on that.

Department of Master of Business Administration

Type of Feedback	Feedback Observed	Action Taken
Students	 The Metrics considered for feedback are competencies expected from the courses offered, relevance of the units in the syllabus and the allocation of the credits to each course, the electives offered and relevance of the offered elective to technology advancements, and the quantum of lab offered. Students' feedback was that more projects must be given, on a regular basis. More relevant elective course which is relatable to industry needs must be introduced. 	 Modules content for each course is decided based on industry feedback, at the BOS meeting. The number of courses in the open elective list has been increased, giving freedom to students to opt for an elective based on the domain which interests them. Mini Project is included, which gives students the opportunity to implement and understand what they have learnt in the theory sessions. Assignments are given as per the syllabus.
Faculty	 The Metrics considered for feedback are whether the syllabus has a good balance between theory and lab, whether the Course/Syllabus enhances the knowledge of the faculty, whether the books prescribed are relevant, and whether the course/program of studies carries sufficient number of optional papers. The feedback given by faculty was on the theory syllabus which is up to the mark, but needs to be updated on a regular basis so as to include current industry trends. 	 Currently, the scheme and the syllabus have been considered by taking into account the recent trends in technology, so that the industry-academia gap can be bridged. So, as the technology changes, the scheme and syllabus are updated for the benefit of students.
Alumni	 The Metrics considered for feedback are placement and curriculum. Alumni suggested that more practical knowledge is needed, to make students industry-ready. Opportunities of interaction between alumni and students must be provided, for exchange of ideas and experiences. The students must have hands-on experience to enhance their theoretical knowledge, hence industrial visits must be included. 	• Internship is mandatory as per the curriculum, as it gives students the experience of the working atmosphere of an organization.
Employer	 The Metrics considered for feedback are whether the syllabus rises up to industrial requirements, and whether the course is enhancing technical knowledge and ethics in the graduates. Most of the feedback given by the 	• Currently, the scheme and the syllabus have been considered by taking into account the recent trends in technology, so that the industry-academia gap can be reduced.

	employers is good. In their opinion, the students are well-trained and have good technical knowledge.The syllabus is as per requirement, but still needs to be updated regularly.	• As the college is autonomous, every year the syllabus is updated to meet industry requirements.
Parents	 The feedback was collected from parents of students from all semesters. The Metrics considered for feedback are facilities, placement, entrepreneurship, academic facilities and overall development of the students in sports and curriculum. The feedback regarding placement, entrepreneurship and support and encouragement offered to students for initiating start-ups is good. Most of the concerns raised were on organizing industrial visits on a regular basis, on including various activities, and on having an industry-oriented curriculum and internship. Industrial visit is mandatory. Parents are looking for more industrial visits so that the students can understand what they have learnt in the classroom and get practical knowledge. 	 Internship is mandatory as per the curriculum, and the syllabus has been considered by taking into account the recent trends in technology.

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~ , Principal

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