INTERNAL QUALITY ASSURANCE CELL

CRITERIA – 1.4	
1.4.1	**Student Feedback : Action Taken Report**

(INSIDE THE FILE)

INTERNAL QUALITY ASSURANCE CELL

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INTERNAL QUALITY ASSURANCE CELL

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ACTION TAKEN: STUDENT FEEDBACK
Department of Aerospace Engineering
Action Taken Report (ATR) on Students Feedback (BE) received during AY 2022-23

Department	Stakeholder	Feedback Received	Action Taken
Department of Aerospace Engineering	Student	➢ According to 51 students, the courses are highly regarded for applying fundamental knowledge of mathematics, science and engineering in their course	The scheme and syllabus of the Aerospace Engineering program was enhanced by taking the inputs from all the stake holders. Mr Siddharth Gosh, Alumni, (Rotor Performance Engineer, Seimens) from Batch 2015-2019 was invited to take his inputs on the current industry demands
		➢ Students strongly believe that the curriculum, syllabus, and the sequence of courses to be framed as per the current industry demands	Students are encouraged to participate in various clubs like ANTARIKSH, VYOMA & JATAYU to understand concepts beyond the curriculum
		➢ The use of teaching methods and ICT by faculty to facilitate teaching is rated exceptionally well. However, there could be usage of more digital methods to lecture delivery	Faculty members are suggested to use new platforms for enhancing the teaching-earning process
		➢ Students expressed the non-availability of courses on Unmanned Aerial Vehicles in the curriculum	The BoS had agreed to offer 1 or 2 courses on UAVs from NPTEL for the Students to choose during their semesters
		➢ There was an urgent need to improve the Industrial visits arranged from the Department	The Dept is planning at least 3-4 industrial visits during the academic year 2023-2024

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Action taken – Students feedback

Department of Biotechnology

Action taken report (ATR)

ATR on students feedback for BE received during the AY 2022-2023 Scheme 2018

Department	Stakeholder	Feedback received	Action taken
Biotechnology	Students	➢ 80% of the students have rated the syllabus as excellent and very good respectively. The syllabus is suitable for the course. ➢ 75% of the students have opined excellent for the teaching methods employed and the student engagement and helps in higher studies. ➢ 70% have opined about the involvement of the students in the co curricular activities. ➢ 80% have opined about the pedagogical approaches followed are very good. ➢ 90% expressed the sequence of the topics in the syllabus are very good and the electives offered were also good. ➢ Structuring of the curriculum needs to be improved as mentioned by 80% of the students. ➢ The overall satisfaction of the course is about 80% as very good.	➢ The industry related concepts such as designing of equipment, Bioinformatics such as NGS (Illumina), modern agriculture practices (Poineer, Bayers) related aspects were introduced. ➢ The industry related concepts such as designing of equipment, Bioinformatics such as NGS (Illumina), modern agriculture practices (Poineer, Bayers) related aspects were introduced. ➢ In Molecular biology and genetic engineering course, the topic genome editing has been separated as clustered regularly interspace short palindromic repeats (CRISPR), CAS systems, zinc finger nucleases, transcription activators, were included. ➢ Recent edition referral books were incorporated. ➢ Skill based labs were included.

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ACTION TAKEN REPORT: STUDENT FEEDBACK
Department of Chemical Engineering
STUDENT EXIT SURVEY ANALYSIS 2022-23

BE Programme Scheme: 2018

Action taken report

Department	Stakeholder	Feedback received	Action taken
Chemical Engineering	Students	Curriculum should encourage industry-institute interaction, Industry visits, Internship, expert lectures, and projects.	1. The feedback was considered for restructuring the syllabus. The electives were introduced for more credits than the previous scheme. 2. Experiential learning is one of the key aspects introduced to strengthen the student's ability to learn, work, plan for the experiments, execute the projects in the stipulated time and understand the fundamentals to the advanced levels in their respective domains. 3. Students are encouraged to take up more internships

Department of Civil Engineering

ACTION TAKEN REPORT- STUDENT FEEDBACK

BE Programme Scheme: 2018

2022-23

Sl no.	Feedback received	Action taken
1	Few students opined that the curriculum being on a good level in acquiring sound fundamental knowledge in mathematics, science and principles of Civil Engineering.	Emerging Courses such as Green buildings and Infrastructure for smart cities were introduced
2	Majority of the students opined that they have been able to identify the real-world problems, visualize and relate to academic subjects. However, the Research exposure to the students is inadequate	Gained knowledge on complex engineering problems and solution on visiting field/ industry were mandated in the core courses viz., Concrete Technology, Transportation Engineering and GeoTechnical Engineering
3	Few students responded that they are able to achieve this, as most of the projects developed by the students focus on the social and environmental issues. However, students expressed that the application to real world problems needs to be addressed	MOOC courses such as Probabiiity methods in civii Engg' ,characterization of construction Materials, Nlaintenance and Repair of concrete Structures and Urban'Iransportation Planning Systems were introduced as a part of curriculum
4	Majority of the students responded that the curriculum has to be improved adopting research methods including design of experiments, analysis and interpretation of data	Emphasis was laid on research methodology and extensive literature review and these were incorporated as a part of evaluation rubric in Major and minor Projects. Design thinking and IDEA labs were designed as a part of curriculum.
5	Majority of the students opined that Up-gradations of tools and resources are necessary to meet the industry standards and research.	State of the art laboratories including “Centre of Competence in Smart, Safe, and Sustainable Technologies” are developed to learn/ demonstrate the use of Modern software tools - AutoCAD, STAAD-Pro, VISSIM, to specify fulfilment of requirement in latest engineering applications
6	It was found that through student’s feedback, the ability of the individual to manage stress ethically and morally was lagging	Career readiness program, corporate lectures and motivational talks are arranged to overcome the above observations. Contents of core course on constitution of India and professional ethics-18HS71 are revised to help students to apply ethical principles for engineering practice. Technical annual event “Concrete Fair” has been initiated and organized by students

ACTION TAKEN: STUDENT FEEDBACK

Department of Computer Science and Engineering

Action Taken Report (ATR) on Students Feedback (BE) received during AY 2022-23

BE Programme Scheme: 2018

Department	Stakeholder	Feedback Received	Action Taken
Department of Computer Science and Engineering	Student	➢ Majority of students felt the curriculum helped them apply fundamental knowledge of mathematics, science and engineering in their course ➢ Identification and Problem solving has been improved ➢ Students felt the development of an individual as a leader in diverse teams and environment is not developed	➢ Syllabus is framed considering industry standards by taking feedback from all stakeholders. ➢ Design thinking lab is introduced in 3rd semester to help students visualise and convert a problem to solution. ➢ Students are encouraged to take multidisciplinary electives and MOOC courses to train them in various fields ➢ Students are encouraged to participate in various clubs like coding club and COEs to develop leadership qualities ➢ Entrepreneurship cell conducts activities every year to encourage students to participate in startups.

ACTION TAKEN: STUDENT FEEDBACK
Department of Computer Science and Engineering
M. Tech in Computer Network Engineering

Action Taken Report (ATR) on Students Feedback (PG-CNE) during AY 2022-23

Department	Stakeholder	Feedback Received	Action Taken
Department of Computer Science and Engineering **PG-CNE**	Student	➢ Most of the students joined the PG program with a clear goal. ➢ They found curriculum catered to technical, societal, environment and other issues. ➢ They felt electives can be more diverse and help specialization. ➢ Extracurricular activities were also encouraged with academics	➢ The CSE department gets the best students from the state. Also, for PG, we get many GATE students. Hence the quality of the curricula is very important. ➢ Minor and major projects rubrics included environment, sustainability for evaluation. ➢ Students are encouraged to participate in sports, cultural and extracurricular activities. ➢ Interdisciplinary electives are included in the second semester. ➢ Placement department is active to attract PG students from state and across country.

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aACTION TAKEN: STUDENT FEEDBACK
Department of Computer Science and Engineering
Action Taken Report (ATR) on Students Feedback (MTECH CSE) received during AY 2022-23

Department	Stakeholder	Feedback Received	Action Taken
Department of Computer Science and Engineering M.Tech in Computer Science and Engineering	Student	• Majority of students felt the curriculum helped them to exhibit and carry out research and development work to solve practical problems related to CSE domain • Improved their technical report writing and presentation skills • Developing applications through use of modern tools was good. • Working individually and in teams to solve problems was excellent	• Curriculum framing done as per the trends in technological domain with a focus on latest research and development areas Students are encouraged to take multidisciplinary electives and MOOC courses to train them in various fields • Students were encouraged to do effective report writing by organizing talks on technical writing. • Students are encouraged to participate in various workshops with hands on sessions by industry to enhance their practical exposure. • Projects/Experiential learning/assignments problem statements given to help students to improve their team work and presentation skills

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

Action Taken-2022-23

BE Programme Scheme: 2018

Department	Stakeholder	Feedback Received	Action Taken
Department of Electronics and Communication	Student	1. More Emphasizes on advanced topics. 2. Hands on advanced topics can be added for the course. 3. Implement project-based learning exercises where students tackle real-world design problems from conception to physical implementation. 4. Encourage collaboration and hands-on experience to reinforce theoretical knowledge.	1. Lab experiments with new simulation tools and hardware kits are to be included for the industry exposure. 2. A curriculum that incorporates industry-standard tools and practical applications will better prepare students for the workforce 3. More emphasis is given for EL and open-ended experiments by using current industry tools. 4. More open ended experiments are added in practical's.

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

Action Taken 2022-23

M.Tech: VLSI

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Department	Stakeholder	Feedback Received	Action Taken
Department of Electronics and Communication	Student	1. More emphasis needs to be given for project-based learning 2. Lab components to be included that could help the students in more practical approach. 3. Current syllabus has only the basic concepts of the signals, advanced signal processing approach to be included. 4. More focus to be given on real time applications.	1. The enhancement on events including webinar and workshop. 2. A curriculum that incorporates industry-standard tools and practical applications will better prepare students for the workforce 3. More focus must be given on the basics. 4. Continue and give more importance to project presentations

Electrical and Electronics Engineering
ATR Academic Year 2022-23
BE Programme Scheme: 2018

Based on the comprehensive exit survey results from the 2019-2023 batch at RV College of Engineering for the BE program, here are the actions taken to address specific feedback across various departments, including Electrical and Electronics Engineering:

- Curriculum Relevance and Updates:

- Revised and updated the curriculum to reflect current industry needs and technological advancements, particularly in departments where average ratings approached or were below the institutional average.

- Enhancement of Communication and Soft Skills:

- Implemented targeted modules to bolster communication and soft skills across all programs, reflecting the feedback that highlighted the importance of these skills in professional settings.

- Intellectual Stimulation and Engagement:

- Introduced more interdisciplinary projects and problem-solving sessions to foster a stimulating learning environment and encourage innovative thinking.

- Laboratory and Practical Learning Enhancement:

- Upgraded laboratory equipment and integrated more real-world scenarios into lab sessions to enhance practical learning and ensure students can apply theoretical knowledge effectively.

- Industry Interaction and Co-curricular Activities:

- Expanded partnerships with industry leaders to facilitate more frequent industry visits, internships, and expert lectures, thereby enhancing industry-institute interaction.

- Increased support for co-curricular activities to ensure students have ample opportunities to develop holistically.

- Diversity and Inclusivity Initiatives:

- Improved programs and policies to ensure a diverse and inclusive environment that encourages students from all backgrounds to excel.

- Teaching Methodologies:

- Advanced training for faculty to adopt more innovative and effective teaching methods, including the use of ICT tools to enhance the learning experience.

- Increased focus on experiential learning components to improve engagement and understanding of complex concepts.

- Assessment and Evaluation Improvements:

- Reviewed and improved the assessment and evaluation processes to ensure they are fair, transparent, and reflective of students' understanding and capabilities.

- Placement and Career Support:

- Enhanced the placement and career support services, ensuring students receive adequate guidance and support in securing employment and navigating their career paths effectively.

- Alumni Engagement:

- Strengthened alumni relations programs to ensure ongoing engagement with graduates, encouraging them to participate in networking events and support current students through mentorship programs.

- Support for Entrepreneurial and Innovative Endeavors:

- Increased support for entrepreneurial initiatives, providing resources and mentorship for students interested in starting their own businesses or engaging in innovative projects.

These actions reflect a commitment to continually improve the educational experience based on direct feedback from students, aiming to maintain high standards and adapt to the evolving needs of students and the broader industry landscape.

Action taken – Student feedback

Department of Electronics and Instrumentation Engineering

BE Programme Scheme: 2018

Action taken report (ATR) for 2019-23 batch exit survey

Department	Stakeholder	Feedback received	Action taken
EIE	Students	Curriculum should encourage industry-institute interaction, Industry visits, Internship, expert lectures and projects.	1.The feedback was considered for restructuring the syllabus. The electives were introduced for more credits than the previous scheme. 2. Internships were introduced to the students, where the students will experience the different processes of the industry.
		Industry related course to be offered in the curriculum	Machine Learning, AR & VR, Internet of Things, PLC & SCADA, ARM Cortex Controller will be included in the revised curriculum.

DEPARTMENT OF ELECTRONICS & TELECOMMUNICATION ENGINEERING

Action Taken-2022

BE Programme Scheme: 2018

Sl. no	Feedback Analysis	Action Taken
1	1. Hands on Session to be done in the industry collaborated labs. 2. More emphasis needs to be given for project-based learning 3. Industry talks and Industry visit has to be arranged 4. Hands on Session to be done in the industry collaborated labs.	1. The specific skill and knowledge are enhanced in Experiential Learning (EL) & internship minor and major projects. 2. A curriculum that incorporates industry-standard tools and practical applications will better prepare students for the workforce 3.More emphasis is given for EL and open-ended experiments by using current industry tools. 4. More open ended experiments are added in practical's.

ACTION TAKEN REPORT: STUDENT FEEDBACK

Department: Industrial Engineering and Management
BE Programme Scheme: 2018
Academic Year 2022-23

Sl. No	Specific Feedback Received	Action Taken
1	Provide options for students to choose specialized subjects and minor specializations, allowing them to tailor their education to their interests.	Students have been allowed to choose elective courses from a list of courses which are categorized based on pillars and thrust areas of IEM(Quality, Analytics, Industrial engineering, Decision science, management) In addition, High achievers are encouraged to apply for BE Honours. 4 students obtained BE Honours from IEM.
2	More attention needed to encourage Research.	Students are encouraged to write papers with faculty in research areas. Students have published numerous papers and won best paper awards also.
3	Industry oriented courses should be added which solve employability concerns.	Digital Supply chain is introduced as a course to complement the core course on Supply chain management. Multi criteria decision making as an elective is offered which enabled numerous students to enrich quantitative perspective in problem solving. In addition, A visiting faculty from IISc has handled 25 hours of Statistics and 25 hours of Operations research course in the past year.
4	Encourage students to tackle real time applications.	Students are encouraged to take internship projects. Number of internship projects as part of final year project has increased exponentially. In house projects are also addressing real time problems in the area of solar energy harvesting, Digital marketing and other novel space.

Department of Information Science and Engineering

Action Taken Report for the year 2022-2023

BE Programme Scheme: 2018

FeedBack Received	Action Taken
1)The curriculum helped in applying the knowledge to assess Societal, health, safety, and cultural issues along with the responsibilities relevant to the professional engineering practice.	1)To encourages industry-institute interaction expert lectures were arranged for almost all courses
2)Encouragement and support provided by the innovative teams led to expand knowledge in all domains of engineering and management	2)Students were encouraged to do summer internship in industry
3)The program provides knowledge to work, as a member and leader in a team, to manage projects and in multidisciplinary environments.	3)Students were encoraged to take up research projects in COE in the area they were intrested.

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Dept of Mechanical Engineering

ACTION TAKEN SAMPLE: STUDENT FEEDBACK

BE Programme Scheme: 2018

Action Taken Report on Student Feedback received during 2022-23

Student Feedback	Action taken
P1 - How well the program curriculum enabled you to apply fundamental knowledge: Excellent: 44%. Very good: 42%, Good: 14%, Average: 0%, Poor: 0% P2 - Identifying, formulating, and analyzing complex engineering problems: Excellent: 35% Very good: 50% Good: 10%, Average: 5%, Poor: 0% P3 - Designing solutions for complex engineering problems: Excellent: 45%, Very good: 31%. Good: 11%, Average: 12%, Poor: 0% P4 - Investigating complex problems through research knowledge: Excellent: 40% Very good: 44% Good: 15%, Average: 1%, Poor: 0% P5 - Applying appropriate modern engineering techniques and IT tools: Excellent: 39%, Very good: 46%, Good: 13%, Average: 1%, Poor: 1% P6 - Applying reasoning informed by contextual knowledge: Excellent: 44%, Very good: 43%, Good: 12%, Average: 1%, Poor: 0% P7 - Understanding the impact of professional engineering solutions in societal and environmental contexts: Excellent: 30%, Very good: 42%, Good: 27%, Average: 1%, Poor: 0% P8 - Applying ethical principles in professional responsibilities: Excellent: 56%, Very good: 36%, Good: 4%, Average: 5%, Poor: 0%	Based on the provided data points, here are some actions taken: ✔ Reviewed and analyzed the aspects of the curriculum that contributed to the high ratings. ✔ Identified and addressed areas where the curriculum could be strengthened based on lower ratings. ✔ Offered additional workshops, seminars, or projects aimed at improving problem identification, formulation, and analysis skills. ✔ Provided resources for students to practice solving complex engineering problems independently or in groups. ✔ Introduced more hands-on projects or case studies to allow students to apply their knowledge to real-world engineering problems. ✔ Incorporated feedback from industry professionals to ensure that the solutions designed by students meet industry standards. ✔ Offered guidance and resources for students to conduct in-depth research on complex engineering problems. ✔ Encouraged students to publish their research findings or participate in research conferences to further develop their research skills. ✔ Provided training sessions or workshops on the latest engineering software tools and techniques. ✔ Ensured that IT infrastructure and resources are up-to-date and accessible to students for their engineering activities.

P9 - Functioning as an individual and in diverse teams: Excellent: 45%, Very good: 44%, Good: 11%, Average: 0%, Poor: 0% P10 - Communicating effectively on complex engineering activities, Excellent: 50%, Very good: 33%, Good: 17%. Average: 0%, Poor: 0% P11 - Understanding engineering and management principles: Excellent: 41%, Very good: 47%. Good: 11%. - Average: 0%, Poor: 0% P12 - Engaging in independent and life-long learning: Excellent: 52%, Very good: 25%, Good: 21%, Average: 2%, Poor: 1%	✔ Incorporated more real-world examples and case studies into the curriculum to help students understand the context behind engineering decisions. ✔ Encouraged critical thinking and discussion on the societal and environmental impact of engineering solutions. ✔ Offered workshops or courses focused on ethical decision-making in engineering. ✔ Provided scenarios and case studies to help students navigate ethical dilemmas in professional settings. ✔ Facilitated team-building exercises and group projects to improve collaboration skills. ✔ Offered communication workshops to help students effectively convey complex engineering concepts to diverse audiences. ✔ Offer interdisciplinary courses or modules that cover both engineering and management principles. ✔ Encourage students to explore internships or projects that involve aspects of both engineering and management. ✔ Provide resources for ongoing professional development, such as online courses or networking opportunities. ✔ Encourage students to pursue certifications or advanced degrees to further their knowledge and skills in engineering.

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Department of Master of Computer Applications
Action Taken Report (ATR) on Students Feedback received during the AY 2022 -2023

Department	Stakeholder	Feedback received	Action Taken
Department of MCA	Student	• Around 98.2% of the students joined the MCA Program with a clear objective. • 89.3% of the students were satisfied with the quality of education provided in the MCA Programme. • 87.61% of the students were satisfied with the curriculum framed • 92.0% of the students responded that the curriculum was framed with holistic approach keeping in mind the optimum combination of courses for all round development in MCA Program. • 90.2% of the students responded that the practical knowledge gained in the Laboratory component helped them to demonstrate their programming skills. • 91.1% of the students were satisfied with the electives provided in the curriculum to choose their area of specialization • 86.72 % of the students responded that the department facilitated industry-institute interaction in the form of Expert Lectures, industry visit, Internship and Projects • 90.2% of the students responded that department facilitates the students to actively participate in Technical Events, Seminar and Conferences 85.84% of the students responded positively that Department faculty are effective in imparting quality education to the students. • 90.26% of the students were satisfied, as the College has taken several steps in shaping the students talent through various aspects included in the program • 80.53% of the students were of the opinion that the college environment and infrastructure encouraged them to think innovatively • 88.49% of the students responded positively for the support given by the Institution in training and placement activities • 89.38% of the students agreed with the diversity and inclusivity of the program • 90.26% of the students appreciated with the overall experience of the program .92.03% of the students appreciated with the overall experience of the program	• To improvise on the industry-institute interaction, A Two semester course MCA231I Cloud Native Fullstack Application Development-I and MCA361I- Cloud Native Fullstack Application Development-II was designed and delivered by Industry Expert Mr. Jayasimha from Dell, Bangalore. • The internship course MCA462N with 6 credits was introduced in the 2022 MCA Scheme in the III Semester. The students are required to complete six weeks Internship during the intervening vacation of II and III semesters • In the 2022 Scheme, The Course MCA233B3-Cryptography and Network Security was included in II Semester. As part of Experiential Learning, the students were given task of exploring and demonstrating latest tools on Network Security.

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ACTION TAKEN: STUDENT FEEDBACK

Department of Aerospace Engineering

Action Taken Report (ATR) on Students Feedback (BE) received during AY 2021-22

BE Programme Scheme: 2018

Department	Stakeholder	Feedback Received	Action Taken
Department of Aerospace Engineering	Student	➢ Students express that courses related to space or orbits should be introduced earlier, which may provide high knowledge on areas related to space	➢ Introductory courses on space design and space elements are introduced as part of 5the semester in the subsequent 2021 scheme
		➢ Students feel that Labs and other facilities provided are adequate in improving the skills, however there is lack of introduction to computational techniques	➢ Skill lab training is planned to be conducted on CFD and numerical analysis methods for the upcoming semester
		➢ The core courses are well designed as per the requirements, but Courses based on maintenance techniques to be introduced which may provide them hands on experience towards industries	➢ Courses like Maintenance Repair and Overhaul of aircrafts, Space vehicle design are introduced in the 2021 scheme
		➢ Students feel that the department should provide industrial visits which can provide them internship opportunities	➢ Department of Aerospace Engineering is in talks with Aequs Manufacturing industries , Belagavi for industrial visits and internships.

Action taken – Students feedback
Department of Biotechnology

BE Programme Scheme: 2018

Action taken report (ATR)

ATR on student feedback for BTECH received during the AY 2021-2022

Department	Stakeholder	Feedback received	Action taken
Biotechnology	Students	➢ 80% of the students have rated the syllabus as very good. The syllabus is suitable for the course. ➢ 70% of the students have satisfied on their expectations achieved. ➢ 70% for the teaching methods employed and the student engagement, which also helped for their higher studies. ➢ 60% have opined about the availability of adequate resources to deliver the curriculum. ➢ 75% expressed the sequence of the topics in the syllabus are very good and the electives that were offered were satisfactory.	➢ Inputs from the students were collected and during the course revision, the same was implemented. ➢ The pedagogical improvements such as Experiential Learning, project based learning, group activities were introduced in the curricula delivery. ➢ The industry related concepts such as pharmaceutical industry processes, agriculture development processes, food related processes were introduced in the respective courses. ➢ Bioremediation and phytoremediation techniques were introduced in environmental technology course. ➢ For Unit Operation course, numericals were introduced. Process control is clubbed with microbial biotechnology course in VI semester. ➢ Thermodynamics was considered in experiential learning. ➢ Downstream course has included more numerical. ➢ In biostatistics course, more numerical viz., regression, logistic regression, goodness of fit, validation of data. ➢ The pedagogical improvements such as Experiential Learning, project based learning, group activities were introduced in the curricula delivery. ➢ The industry related concepts such as pharmaceutical industry processes, agriculture development processes, food related processes were introduced in the respective courses.

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ACTION TAKEN REPORT: STUDENT FEEDBACK
Department of Chemical Engineering
STUDENT EXIT SURVEY ANALYSIS 2021-2022

BE Programme Scheme: 2018

Action taken report

Department	Stakeholder	Feedback received	Action taken
Chemical Engineering	Students	Interdepartmental courses can be included Courses on environment, sustainability water to be included	• Minor and major projects rubrics included environment, sustainability for evaluation. • Syllabus is framed considering industry standards by taking feedback from all stakeholders. • Students are encouraged to take multidisciplinary electives and MOOC courses to train them in various fields

Department of Civil Engineering

ACTION TAKEN REPORT- STUDENT FEEDBACK

BE Programme Scheme: 2018

2021-22

Sl no.	Feedback received	Action taken
1	Few students opined that the curriculum being on a good level in acquiring sound fundamental knowledge in mathematics, science and principles of Civil Engineering.	Experiential learning covering 40% of weightage as a part of curriculum in Civil Engineering is made mandatory.
2	Majority of the students opined that they have been able to identify the real-world problems, visualize and relate to academic subjects. However, the Research exposure to the students is inadequate	Students are encouraged to observe, their surroundings structures to gain insight into real life engineering problems and think of possible approaches/solutions to solve these problems.
3	Few students responded that they are able to achieve this, as most of the projects developed by the students focus on the social and environmental issues. However, students expressed that the application to real world problems needs to be addressed	Teaching and assessment methods for the Experiential learning were incorporated.
4	Majority of the students responded that the curriculum has to be improved adopting research methods including design of experiments, analysis and interpretation of data	Weightage for literature review and research methodologies have been incorporated as a part of rubric evaluation in Major and minor Projects which enables students to analyze and synthesize technical data.
5	Majority of the students opined that Up-gradations of tools and resources are necessary to meet the industry standards and research.	Procurement of modern and state-of-the-art equipment in the laboratories and students exposed to the applicability and use of these by making them work on these modern equipment viz., DGBS.
6	It was found that through student's feedback, the ability of the individual to manage stress ethically and morally was lagging	Technical annual event "Concrete Fair" has been initiated and organized by the department, which is completely managed by the students.

ACTION TAKEN: STUDENT FEEDBACK
Department of Computer Science and Engineering
Action Taken Report (ATR) on Students Feedback (BE) received during AY 2021-22

Department	Stakeholder	Feedback Received	Action Taken
Department of Computer Science and Engineering	Student	➢ Majority of the students joined CS department with a clear goal ➢ They found curriculum catered to societal, environment, cultural issues and other issues ➢ They felt electives can be more diverse and help specialization ➢ Extra curricular activities was also encouraged with academics	➢ CS department gets best students from the state. Hence the quality of the curricula is very important ➢ Minor and major projects rubrics included environment, sustainability for evaluation ➢ Students are encouraged to participate in CAT teams for cultural and extra curricular exposure. ➢ Interdisciplinary electives are included in all higher semesters, so that students can specialize in a field.

ACTION TAKEN: STUDENT FEEDBACK
Department of Computer Science and Engineering
M. Tech in Computer Network Engineering

Action Taken Report (ATR) on Students Feedback (PG-CNE) during AY 2021-22

Department	Stakeholder	Feedback Received	Action Taken
Department of Computer Science and Engineering **PG-CNE**	Student	➢ Most of the students joined the PG program with a clear goal. ➢ They found curriculum catered to technical, societal, environment and other issues. ➢ They felt electives can be more diverse and help specialization. ➢ Extracurricular activities were also encouraged with academics	➢ The CSE department gets the best students from the state. Also, for PG, we get many GATE students. Hence the quality of the curricula is very important. ➢ Minor and major projects rubrics included environment, sustainability for evaluation. ➢ Students are encouraged to participate in sports, cultural and extracurricular activities. ➢ Interdisciplinary electives are included in the second semester. ➢ Placement department is active to attract PG students from state and across country.

ACTION TAKEN: STUDENT FEEDBACK
Department of Computer Science and Engineering
Action Taken Report (ATR) on Students Feedback (MTECH CSE) received during AY 2021-22

Department	Stakeholder	Feedback Received	Action Taken
Department of Computer Science and Engineering M.Tech in Computer Science and Engineering	Student	• Most of the students opined that the curriculum helped them to carry out development work for solving practical problems related to CSE domain. • Majority of the students felt mastery over the area as per specialization of the program was found to be very good • Most of them felt that the curriculum helped them to develop their capabilities to explore and use latest tools • Activities related to academics, team building and professional ethics were encouraged	• M.Tech in CSE gets GATE qualified students. Hence the quality of the curricula is very important • The core and elective courses were designed to include advanced concepts in curriculum which would help students to attain mastery over the program. • Internships/major projects/Minor Projects/experiential learning promotes the use of latest technological tools used in the industry. • Minor and major projects rubrics included environment, sustainability, integrity along with working in teams and ethics for evaluation

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

Action Taken 2021-22

BE Programme Scheme: 2018

Department	Stakeholder	Feedback Received	Action Taken
Department of Electronics and Communication	Student	1. Hands on Session to be done in the industry collaborated labs. 2. More emphasis needs to be given for project-based learning 3. Industry talks and Industry visit has to be arranged 4. Hands on Session to be done in the industry collaborated labs.	1. The specific skill and knowledge are enhanced in Experiential Learning (EL) & internship minor and major projects. 2. A curriculum that incorporates industry-standard tools and practical applications will better prepare students for the workforce 3.More emphasis is given for EL and open-ended experiments by using current industry tools. 4. More open ended experiments are added in practical's.

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

Action Taken 2021-22

M.Tech: VLSI

1.

Department	Stakeholder	Feedback Received	Action Taken
Department of Electronics and Communication	Student	1. Lab components to be included that could help the students in more practical approach. 2. Current syllabus has only the basic concepts of the signals, advanced signal processing approach to be included. 3. As hardware experiments were only part of the syllabus, to understand the concepts in depth the same can be implemented on FPGA.	1. More number of Industry visits to be conducted to bridge the gap between academics and industry 2. Most software programming curriculum is added in Data structure and open elective courses 3.More emphasis is given for EL and open-ended experiments by using current industry tools.

BE Programme Scheme: 2018

Based on the detailed feedback provided by the students of the Electrical and Electronics Engineering Department from the exit survey of 2021-22 at R V College of Engineering, here is the action taken report:

Action Taken Report for EEE Department Exit Survey 2021-22:

1. Goal Clarity and Program Joining: Action: Enhanced orientation programs to better align student expectations and goals with program outcomes due to the moderate score of 3.66.

2. Curriculum Relevance and Application: Action: Revised the curriculum to include more real-world applications and case studies on societal, health, safety, and legal responsibilities to improve satisfaction from a score of 3.49.

3. Curriculum Design: Action: The curriculum design was applauded for its holistic approach (score of 3.93); continuous updates are implemented to keep pace with technological advancements.

4. Laboratory Component and Sustainable Development: Action: Increased the coverage of sustainable practices in laboratory components due to the score of 3.44, emphasizing hands-on sustainable engineering solutions.

5. Electives and Specialization: Action: Expanded the range and depth of electives offered (score of 3.78) to enhance specialization options in students' areas of interest.

6. Industry Interaction: Action: Boosted industry-institute interactions through more structured internships and industry projects following the positive feedback (score of 3.98).

7. Co-curricular Participation: Action: Improved support for participation in co-curricular activities (score of 3.80) with enhanced scheduling and resource allocation.

8. Experiment Design and Analysis: Action: Strengthened practical components to enhance students' abilities to design, conduct, and analyze experiments (score of 4.17).

9. Commitment to Quality and Improvement: Action: Emphasized training in quality control, timely delivery, and continuous improvement in engineering practices, responding to a score of 4.05.

10. Exposure to Diversity and Global Issues: Action: Enhanced modules dealing with diversity, societal, and global issues (score of 4.07) to prepare students for multicultural and diverse professional environments.

11. Engineering and Management Principles: Action: Integrated more management principles into the engineering curriculum to strengthen leadership and project management skills (score of 4.12).

12. Professional Challenges and Communication: Action: Offered additional workshops on professional communication and challenges, improving readiness and confidence (score of 3.71).

13. Talent Exploration and Development: Action: Created more opportunities for students to explore and develop talents through diverse extracurricular teams (score of 3.90).

14. Support for Innovation and Knowledge Expansion: Action: Increased funding and support for innovative teams and labs to foster knowledge expansion across engineering domains (score of 3.80).

15. Alumni Networking and Support: Action: Improved alumni interaction programs to facilitate better networking and connection with the institution (score of 3.80).

16. Support for CSR Activities: Action: Developed initiatives to encourage student participation in CSR activities, particularly supporting economically challenged peers (score of 3.85).

This action taken report reflects ongoing efforts to address student feedback systematically and enhance the educational experience in the EEE Department. Each action is geared towards maintaining high standards and continuous improvement in educational offerings.

Action taken – Student feedback

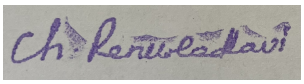
BE Programme Scheme: 2018

Department of Electronics and Instrumentation Engineering

Action taken report (ATR) for 2018-22 batch exit survey

Department	Stakeholder	Feedback received	Action taken
EIE	Students	Curriculum should encourage industry-institute interaction, Industry visits, Internship, expert lectures and projects.	1.The feedback was considered for restructuring the syllabus. The electives were introduced for more credits than the previous scheme. 2. Industrial visits are planned, and the students will be taken to various industries like TVS, MOOG to make them understand the industry processes. 3. Summer Internships will be introduced, in the curriculum where the students will experience the different processes of the industry. 4. Minor and major projects are carried out within the department and outside the department. The advantage of carrying out the project within the department is that the student will be able to get to know about the various instruments, expertise present in the department and also to plan and execute the same. 5. Open elective/global electives were introduced such that the students can learn any other course apart from the

			departmental electives in the other department courses of their choice.



DEPARTMENT OF ELECTRONICS & TELECOMMUNICATION ENGINEERING

Action Taken-2021

BE Programme Scheme: 2018

Sl. no	Feedback Analysis	Action Taken
1	1. More Emphasizes on advanced topics. 2. Hands on advanced topics can be added for the course. 3. Implement project-based learning exercises where students tackle real-world design problems from conception to physical implementation. 4. Encourage collaboration and hands-on experience to reinforce theoretical knowledge.	. Lab experiments with new simulation tools and hardware kits are to be included for the industry exposure. 2. A curriculum that incorporates industry-standard tools and practical applications will better prepare students for the workforce 3. More emphasis is given for EL and open-ended experiments by using current industry tools. 4. More open ended experiments are added in practical's.

ACTION TAKEN REPORT: STUDENT FEEDBACK

Department: Industrial Engineering and Management
BE Programme Scheme: 2018

Academic Year 2021-22

Sl. No	Specific Feedback Received	Action Taken
1	Emphasis on internship is good, but students are finding it difficult to get good quality Industry internships.	In the college, Internships are provided through Centre of excellence and Centre of competence. In addition, through alumni and placement departments, Internship interviews are scheduled frequently
2	Exploring innovative teaching methods to keep students engaged and motivated.	In all 4 classrooms interactive smart boards have been installed in the department. More and more interesting online course content delivery are being delivered.
3	Sessions on industry updates focused on tech usage- talks on the latest technology usage updates, and followed by Labs to teach the same.	• Webinar Session on "Journey from RVCE to FORBES" by Ms. Vibha Harish, Founder Cosmix, RVCE Alumnous • Expert lecture on "How to set Marketing Strategy in New Normal", Mrs. Hiamkshi Gupta, Head, Shivom Management Services, • Expert lecture on "Digital Marketing" by Mrs. Meghana Mahesh, Founder, Leaf Craft, Bengaluru • Expert lecture on "Operations Research & its applications in Engineering" by Dr. Vatsala G A Associate Professor. Dept of Mathematics, Dayananda Sagar Academy of Technology and Management Number of industry experts providing inputs has been increased through 101 talks under IDEA.
4	For higher semester courses, Course material should be provided.	Google classroom, Moodle or canvas for every course is created and course content has been shared with every student.

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Dept of Mechanical Engineering

ACTION TAKEN SAMPLE: STUDENT FEEDBACK

BE Programme Scheme: 2018

Action Taken Report on Student Feedback received during 2021-22

Student Feedback	Action taken
P1 - How well the program curriculum enabled you to apply fundamental knowledge P2 - Identifying, formulating, and analyzing complex engineering problems: P3 - Designing solutions for complex engineering problems: P4 - Investigating complex problems through research knowledge: P5 - Applying appropriate modern engineering techniques and IT tools: P6 - Applying reasoning informed by contextual knowledge: P7 - Understanding the impact of professional engineering solutions in societal and environmental contexts: P8 - Applying ethical principles in professional responsibilities: P9 - Functioning as an individual and in diverse teams: P10 - Communicating effectively on complex engineering activities, P11 - Understanding engineering and management principles: P12 - Engaging in independent and life-long learning:	Based on the provided data points, several actions have been taken to enhance the curriculum and overall learning experience for students: Firstly, a thorough review and analysis of curriculum aspects contributing to high ratings were conducted. This helped in identifying and addressing areas needing improvement. Additional workshops, seminars, and projects were introduced to bolster problem-solving skills, particularly in identification, formulation, and analysis. To encourage independent and collaborative problem-solving, resources were provided for students to practice solving complex engineering problems. Moreover, more hands-on projects and case studies were incorporated to apply theoretical knowledge to real-world scenarios, ensuring solutions meet industry standards. To keep pace with industry advancements, feedback from professionals was incorporated to update course content. Also, guidance and resources were provided for in-depth research and opportunities for students to publish findings or present at conferences. To equip students with practical skills, training sessions on the latest engineering software and IT infrastructure updates were ensured. Real-world examples and case studies were

	integrated into the curriculum to contextualize engineering decisions and foster critical thinking. Ethical decision-making was emphasized through workshops, ethical scenario discussions, and group projects. Additionally, communication workshops were offered to convey engineering concepts effectively. Recognizing the interdisciplinary nature of engineering, modules covering both engineering and management principles were introduced. Internship opportunities involving engineering and management aspects were encouraged. Lastly, resources for ongoing professional development, certifications, and advanced degrees were provided to further students' knowledge and skills, ensuring their readiness for the workforce.

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Department of Master of Computer Applications
Action Taken Report (ATR) on Students Feedback received during the AY 2021 -2022

Department	Stakeholder	Feedback received	Action Taken
Department of MCA	Student	• 82.0% of the students felt Scheme and Syllabus was good enough • 79.48 % of the students felt process of conduction of Examination and Evaluation was Good enough • 77.77 % of the students responded that Class Room Resources was satisfactory • 77.77% of the students responded that Faculty Resources and Quality was good • 79.48% of the students responded that practice of Student Counseling system is good enough • 75.21% of the students responded Department Administrative Services are appropriate • 80.34 % of the students responded that Teaching and Learning Process was outstanding • 76.92% of the students responded with good feedback on Computing / Lab Resources • 83.76% of the students responded that New Facilities Generated for labs and other resources was outstanding • 79.48 % of the students responded positively for the initiatives taken by the department • 62.39% of the students felt satisfactory for on campus sport facilities • 70.08% of the students were happy about the food provided in hostel and canteen. • 74.35% of the students responded positively for career counseling and placement services	• All the class rooms are provided with interactive display, audio/video facility and internet facility • In response to the suggestions "Internet facility in the MCA Department is poor. STUDENT Wi-Fi keeps on disconnecting and internet does not work". The following actions have been taken up : 1) Upgradation of backend network switches in the data center 2) Replaced copper to fiber uplink network cable for the department network switches 3) Replaced Wi-Fi old access points to Aruba access points 4) Upgraded to 10 Gig uplink network in the MCA department 5) Additional access points were installed in the department premises(lab, faculty rooms,seminar hall, Class room, corridors)

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Student Feedback: Action Taken Report 2020-21		
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ACTION TAKEN: STUDENT FEEDBACK

Department of Aerospace Engineering

Action Taken Report (ATR) on Students Feedback (BE) received during AY 2017-2021

BE Programme Scheme: 2016

Department	Stake Holder	Feedback Received	Action Taken
Aerospace Engineering	Student	➢ Students have suggested to reduce the syllabus content as it is burdening them at the time of exam and CIE. ➢ Student suggested more industrial visits are required for higher level of understanding and exposure to the current technologies. ➢ Students were concerned about the Labs Infrastructure ➢ Students have informed to separate the lab component from theory ➢ Students were more concerned about the Placement	➢ Lab Infrastructure is developed in full-fledged along with allocation of Budget for Equipment Purchase ➢ Industry visit were planned and visited to many industries during the academic year ➢ Syllabus were trimmed in the 2018 scheme and maintained the subject essence in it ➢ With related to placement had discussion with Aerospace OEM and manufacturing company for placement and few of the company showed interest in recruitment

Action taken – Students feedback

Department of Biotechnology

Action taken report (ATR)

ATR on student feedback for BE received during the AY 2020-2021 BE Programme Scheme: 2016

Department	Stakeholder	Feedback received	Action taken
Biotechnology	Students	➢ 65% of the students have rated the syllabus as both excellent and very good. The syllabus is suitable for the course. ➢ 70% of the students have opined excellent for the teaching methods employed and the student engagement as excellent, while 90% is as very good. ➢ 70% have opined about the encouragement towards the higher studies and related aspects. ➢ 70% expressed the sequence of the topics in the syllabus are very good. ➢ Structuring of the curriculum needs to be improved as mentioned by 50% as excellent while 70% as very good. ➢ The course needs to be more industry oriented (60%) for both excellent and very good. ➢ The overall satisfaction for the course is around 70% as very good as expressed as strongly agreed to the questions asked.	➢ Inputs from the students were collected and during the course revision, the same was implemented. ➢ The industry related concepts such as process engineering concepts, BT cotton related concepts and agriculture related applications (Mahyco and Bayers). ➢ Biochemistry course credits were increased by 1. ➢ One credit from Genetic engg course is shifted to plant and animal biotechnology. ➢ Cell biology and microbiology courses were made separately. Similarly biochemistry and biophysics. ➢ The list of electives were divided into 3 domains viz., Health & Pharma, Food & Agriculture and Informatics. This will help the students to choose their domains and continue the same for their higher studies. ➢ The industry related concepts such as process engineering concepts, BT cotton related concepts and agriculture related applications.

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ACTION TAKEN REPORT: STUDENT FEEDBACK
Department of Chemical Engineering
STUDENT EXIT SURVEY ANALYSIS 2020-21

BE Programme Scheme: 2016

Action taken report

Department	Stakeholder	Feedback received	Action taken
Chemical Engineering	Students	Invited talks and Industry visit must be arranged Hands on Session to be done in the industry collaborated labs.	1.The specific skill and knowledge are enhanced in Experiential Learning (EL) & internship minor and major projects. 2. Invited lectures and industry visits were organised. 3.Open-ended experiments are added in lab component of the courses.

Department of Civil Engineering

ACTION TAKEN REPORT- STUDENT FEEDBACK

BE Programme Scheme: 2016

2020 – 2021

Sl no.	Feedback received	Action taken
1	Few students opined that the curriculum being on a good level in acquiring sound fundamental knowledge in mathematics, science and principles of Civil Engineering.	• Courses such as Engineering Mechanics, Strength of Materials and Engineering Physics were designed with a focus on Real time applications. • Certificate courses on Industrial Safety, workshops on Artificial Intelligence, Machine Learning and data analytics in Civil Engineering.
2	Majority of the students opined that they have been able to identify the real-world problems, visualize and relate to academic subjects. However, the Research exposure to the students is inadequate	Gained knowledge on complex engineering problems and solution on visiting field/ industry were mandated in the core courses viz., Concrete Technology, Transportation Engineering and GeoTechnical Engineering.
3	Few students responded that they are able to achieve this, as most of the projects developed by the students focus on the social and environmental issues. However, students expressed that the application to real world problems needs to be addressed	Students are educated on standard protocols and limitations according to National and International safety norms and to address environmental concerns. Students actively involved in world water day, paper drive, Waste segregation and environmental and societal training programs, workshops and students' symposiums in line with courses like Environmental science and biology for Engineers
4	Majority of the students responded that the curriculum has to be improved adopting research methods including design of experiments, analysis and interpretation of data	Emphasis was laid on research methodology and extensive literature review and these were incorporated as a part of evaluation rubric in Major and minor Projects. Design thinking and IDEA labs were designed as a part of curriculum.
5	Majority of the students opined that Up-gradations of tools and resources are necessary to meet the industry standards and research.	State of the art laboratories including "Centre of Competence in Smart, Safe, and Sustainable Technologies" are developed to learn/ demonstrate the use of Modern software tools - AutoCAD, STAAD-Pro, VISSIM, to specify fulfilment of requirement in latest engineering applications
6	It was found that through student's feedback, the ability of the individual to manage stress ethically and morally was lagging	Career readiness program, corporate lectures and motivational talks are arranged to overcome the above observations. Contents of core course on constitution of India and professional ethics-18HS71 are revised to help students to apply ethical principles for engineering practice. Technical annual event "Concrete Fair" has been initiated and organized by the department, which is completely managed by the students.

ACTION TAKEN: STUDENT FEEDBACK
Department of Computer Science and Engineering
Action Taken Report (ATR) on Students Feedback (BE) received during AY 2020-21

BE Programme Scheme: 2016

Department	Stakeholder	Feedback Received	Action Taken
Department of Computer Science and Engineering	Student	Exit survey conducted on students had the following feedback ➢ Majority of students joined CS with a clear goal. ➢ Some students feel the laboratory component can be improved. ➢ Students felt online mode of teaching due to covid impact their learning ➢ Communication with the teacher has a role in learning	➢ Laboratory components were modified to include project based learning ➢ Students are encouraged to do practical implementations as part of EL component ➢ To make teaching interesting in online mode, online quizzes were conducted. Online tools like quiklrn were put to maximum usage. Open book exams, quizzes were conducted. ➢ Teachers and counsellors spent time with students to clarify doubts and issues even in online mode

ACTION TAKEN: STUDENT FEEDBACK
Department of Computer Science and Engineering
M. Tech in Computer Network Engineering

Action Taken Report (ATR) on Students Feedback (PG-CNE) during AY 2020-21

Department	Stakeholder	Feedback Received	Action Taken
Department of Computer Science and Engineering **PG-CNE**	Student	➢ Most of the students joined the PG program with a clear goal. ➢ They found curriculum catered to technical, societal, environment and other issues. ➢ They felt electives can be more diverse and help specialization. ➢ Extracurricular activities were also encouraged with academics	➢ The CSE department gets the best students from the state. Also, for PG, we get many GATE students. Hence the quality of the curricula is very important. ➢ Minor and major projects rubrics included environment, sustainability for evaluation. ➢ Students are encouraged to participate in sports, cultural and extracurricular activities. ➢ Interdisciplinary electives are included in the second semester. ➢ Placement department is active to attract PG students from state and across country.

ACTION TAKEN: STUDENT FEEDBACK
Department of Computer Science and Engineering
Action Taken Report (ATR) on Students Feedback (MTECH CSE) received during AY 2020-21

Department	Stakeholder	Feedback Received	Action Taken
Department of Computer Science and Engineering M.Tech in Computer Science and Engineering	Student	• All most all of the students felt that the program enabled them to exhibit development work to solve practical problems related to CSE domain • For majority of them their technical writing and documentation skills improved through various curriculum components • Most of them felt that their ability to solve complex problems through mathematical principles is enabled excellently • Many of them opined that the program, enabled them to exhibit professional ethics, competence and engaged them in lifelong learning	• Curriculum delivered through online mode was made effective through online quizzes, use of Quiklrn helped the students in acquiring course information and evaluation. • Report writing essential part and phase of evaluation rubrics for assignments, projects, internships. • Complex problems solved through online laboratory and assignments and seminars • Students are encouraged to do practical implementations as part of assignment component presentation promoted project based learning.

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

Action Taken 2020-21

BE Programme Scheme: 2016

Department	Stakeholder	Feedback Received	Action Taken
Department of Electronics and Communication	Student	1. Lab components to be included that could help the students in more practical approach. 2. Current syllabus has only the basic concepts of the signals, advanced signal processing approach to be included. 3. As hardware experiments were only part of the syllabus, to understand the concepts in depth the same can be implemented on FPGA.	1. More number of Industry visits to be conducted to bridge the gap between academics and industry 2. Most software programming curriculum is added in Data structure and open elective courses 3.More emphasis is given for EL and open-ended experiments by using current industry tools.

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

Action Taken 2020-21

M.Tech: VLSI

Department	Stakeholder	Feedback Received	Action Taken
Department of Electronics and Communication	Student	1. Lab components to be included that could help the students in more practical approach. 2. Current syllabus has only the basic concepts of the signals, advanced signal processing approach to be included. 3. As hardware experiments were only part of the syllabus, to understand the concepts in depth the same can be implemented on FPGA.	1. Lab experiments with new simulation tools and hardware kits are to be included for the industry exposure. 2. A curriculum that incorporates industry-standard tools and practical applications will better prepare students for the workforce 3.More emphasis is given for EL and open-ended experiments by using current industry tools.

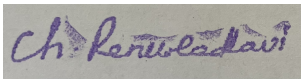
Action taken – Student feedback

Department of Electronics and Instrumentation Engineering

BE Programme Scheme: 2016

Action taken report (ATR) for 2017-21 batch exit survey

Department	Stakeholder	Feedback received	Action taken
EIE	Students	More industry-oriented subjects like basic programming and data structures should be compulsory immaterial of the Branch.	Data structures using C introduced in 3rd Semester 2018 scheme.
		RV College's syllabus can be altered to include programming languages like python and data structures to help with placements in the second and third year.	Few Programming language courses like python, Java will be introduced in the revised curriculum.
		More hands on sessions needs to be conducted than theory classes. Industry based knowledge should be imparted more than theoretical ones.	Virtual Instrumentation made practical based rather than theory based.
		More practical is required than theory of possible, More industry exposure.	Emphasis given to experiential learning which is included for all courses.



DEPARTMENT OF ELECTRONICS & TELECOMMUNICATION ENGINEERING

Action Taken-2020

BE Programme Scheme: 2016

Sl. no	Feedback Analysis	Action Taken
1	Organize more Industry visit, More emphasis is required on software tools & to introduce courses wrt the industrial needs. 1. Lab components to be included that could help the students in more practical approach. 2. Current syllabus has only the basic concepts of the signals, advanced signal processing approach to be included. 3. As hardware experiments were only part of the syllabus, to understand the concepts in depth the same can be implemented on FPGA.	1. More number of Industry visits to be conducted to bridge the gap between academics and industry 2. Most software programming curriculum is added in Data structure and open elective courses 3.More emphasis is given for EL and open-ended experiments by using current industry tools.

ACTION TAKEN REPORT: STUDENT FEEDBACK

Department: Industrial Engineering and Management

BE Programme Scheme: 2016

Academic Year 2020-21

Sl. No	Specific Feedback Received	Action Taken
1	Design courses around projects that incorporate theoretical concepts and practical applications.	"Multi Criteria Decision Modelling" was offered as an elective for the 5th Sem students. "Project planning and control" course was offered for 7th semester students. Minor project for 2 credits was introduced at 6th semester for UG students.
2	Integrate courses from different disciplines to promote holistic learning and application.	New courses were offered as part of Open electives in the area of Entrepreneurship, Psychology, Smart Sensors & Instrumentation, Management Information Systems and Sustainable Technology. MOOC courses was done mandatory for 5th semester students.
3	Incorporation of tools and software relevant to the engineering field into the curriculum.	Statistical tools, DoE, Quality ERP, Supply chain related software are introduced for courses with quantitative rigor such as Statistical Process control, Statistics for Decision making, Operations Management. Open source software's such as Opentaps, Excel solver and TORA are used for conduction of labs in the above mentioned courses.
4	Online pedagogical tools should be used to create personalized learnings from student point of view.	All the faculty have been trained in online pedagogy. A team has been setup college wide for training ICT tools at college level. Google classroom for 70% of the courses is available in addition to MOODLE for few other courses such as Systems Engineering and Project Management.

Department of Information Science and Engineering

Action Taken Report for the year 2020-2021

BE Programme Scheme: 2016

FeedBack Received	Action Taken
1)Students were satisfide with the laboratory component in each of the courses in the curriculum.The students were able to apply knowledge and understanding of the engineering and management principles to manage projects and in multidisciplinary environments.	1)Many COE were included in campus.Design thinking lab was introduced to encourage young mind to think about solutions for different problems
2)Students felt the program provided them confidence to take up professional challenges including effective communication, comprehension, reporting & designing documents	2)Experts talk was regularly organised

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Dept of Mechanical Engineering

BE Programme Scheme: 2016

Action Taken Report on Student Feedback received during 2020-21

Student Feedback	Action taken
P1 - How well the program curriculum enabled you to apply fundamental knowledge P2 - Identifying, formulating, and analyzing complex engineering problems: P3 - Designing solutions for complex engineering problems: P4 - Investigating complex problems through research knowledge: P5 - Applying appropriate modern engineering techniques and IT tools: P6 - Applying reasoning informed by contextual knowledge: P7 - Understanding the impact of professional engineering solutions in societal and environmental contexts: P8 - Applying ethical principles in professional responsibilities: P9 - Functioning as an individual and in diverse teams: P10 - Communicating effectively on complex engineering activities, P11 - Understanding engineering and management principles: P12 - Engaging in independent and life-long learning:	Several actions have been initiated to enrich the curriculum and elevate the overall learning experience based on the provided data: Initially, a comprehensive review identified curriculum elements contributing to high ratings and addressed areas necessitating enhancement. Additional workshops, seminars, and projects were introduced to fortify problem-solving capabilities, particularly in problem identification, formulation, and analysis. To foster independent and collaborative problem-solving, resources were allocated for students to tackle intricate engineering problems. Furthermore, an increase in hands-on projects and case studies facilitated the application of theoretical knowledge to practical scenarios, ensuring alignment with industry standards. To stay abreast of industry advancements, professional feedback was integrated into course content updates. Furthermore, students were provided with guidance and resources for in-depth research and opportunities for publication or presentation at conferences. Practical skills were honed through training sessions on cutting-edge engineering software and updates in IT infrastructure. Real-world examples and case studies were integrated to imbue critical thinking skills and contextualize

	engineering decisions. Ethical decision-making was underscored through dedicated workshops, scenario discussions, and group projects. Additionally, communication workshops were conducted to effectively convey engineering concepts. Recognizing the interdisciplinary nature of engineering, modules encompassing engineering and management principles were introduced, with a focus on encouraging internships in both domains. Finally, resources for continuous professional development, certifications, and advanced degrees were provided to augment students' competencies, ensuring their preparedness for the workforce.

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Department of Master of Computer Applications
Action Taken Report (ATR) on Students Feedback received during the AY 2020 -2021

Department	Stakeholder	Feedback received	Action Taken
Department of MCA	Student	• 87.39 of the students felt MCA curriculum have helped them to achieve mastery over their Specialization area • 82.35% of the students were happy about the industry-institute interaction, Placements, Industry visits, Internship, Expert lectures, Projects and Co-curricular activities facilitated by the Department • 81.51261 of the students expressed that the program have facilitated to adapt and apply appropriate techniques, resources and modern IT tools to solve complex computing system • 83.19 % of the students have helped them to build their professional approach to corporate world • 81.51261 of the students expressed their satisfaction in understanding of management principles and applying them to multidisciplinary project • 82.35 % of the students felt their satisfaction in preparing and writing effective reports and design documentations by adhering to appropriate standards	• Faculty Members were advised to conduct Industry Expert lectures/Workshop for the students in their respective courses • MCA Curriculum is being revised for every 2 years to to cater to the industrial requirements • Bridge Course on Basics of Programming for Non Computer Science students was introduced • Professional Practice Course was introduced for understanding quantitative aptitude, logical reasoning, Mock interview , Resume building, Coding aptitude and Group Discussion • Design Thinking course was introduced to provide a standardized innovation process to develop creative solutions to problems

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INTERNAL QUALITY ASSURANCE CELL

Student Feedback: Action Taken Report 2019-20		
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ACTION TAKEN: STUDENT FEEDBACK

Department of Aerospace Engineering

Action Taken Report (ATR) on Students Feedback (BE) received during AY 2019-20

BE Programme Scheme: 2016

Department	Stakeholder	Feedback Received	Action Taken
Department of Aerospace Engineering	Student	• Many of the lab experiments felt incomplete because they ran out of time. It was frustrating to start an experiment and not be able to finish it.	• Lab periods were made to ensure that students had sufficient time to complete their experiments. Additionally, extra lab sessions were scheduled for those who needed more time.
		• Not enough faculty members in the department, making it difficult for students to get the help and guidance they needed for their studies and research.	• The department hired additional faculty members to reduce the student-to-faculty ratio, ensuring that students could receive more personalized attention and support.
		• Students struggled to find advisors for their projects and theses due to the shortage of faculty, delaying their progress and graduation timelines.	• The department recruited more qualified faculty members with diverse expertise to ensure that all students could find appropriate advisors for their projects and theses, facilitating timely progress and graduation.
		• Labs are not fully prepared, and were missing key components or instructions to complete the tasks.	• A thorough review and preparation process has been instituted. Lab coordinators now check that all necessary components and instructions are in place before the lab begins. Additionally, a feedback loop has been established to address and rectify any missing components immediately.

Action taken – Student feedback
Department of Biotechnology

Action taken report (ATR)

ATR on student feedback for BTECH received during the AY 2019-2020 BE Programme Scheme: 2016

Department	Stakeholder	Feedback received	Action taken
Biotechnology	Students	➢ 80% of the students have rated the syllabus as excellent and very good respectively. The syllabus is suitable for the course. ➢ 70% of the students have opined excellent for the teaching methods employed and the student engagement. ➢ 70% have opined about the curriculum satisfaction with respect to applying the knowledge to assess the societal, health, safety, legal and cultural issues. They are happy with the professional engineering practice courses also. ➢ 80% have opined about the pedagogical approaches followed are excellent. ➢ 90% expressed the sequence of the topics in the syllabus are very good. ➢ Structuring of the curriculum needs to be improved as mentioned by 50% of the students. ➢ The laboratory coverage seems to be good as agreed strongly by 50% and agree by 45% of the students.	➢ Industry based curriculum content was incorporated in the courses viz., Unit operations, Bioinformatics and Thermodynamics ➢ The components in the syllabus were altered as per the suggestions made by the student, with the approval of BoS members. ➢ Lab components were modified as per the suggestions by students. ➢ Microbial, plant and animal biotechnology courses have been replaced with bioprocess technology. ➢ Design Thinking must be made audit course. ➢ Clusters for Biology for Engineers course were formed. ➢ Unit Operations course must be taught in 2nd year of BE. ➢ The course Microbiology and Immunology has been changed to Concepts in Biotechnology and the syllabus was made accordingly. ➢ The contents on docking studies, ligand preparation, and drug lead were added in bioinformatics course. ➢ Synthetic biology course was replaced with Forensic Sciences course. ➢ Industry based curriculum content was incorporated in the courses viz., Unit operations, Bioinformatics and Thermodynamics.

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ACTION TAKEN REPORT: STUDENT FEEDBACK

Department of Chemical Engineering

STUDENT EXIT SURVEY ANALYSIS 2019-20

BE Programme Scheme: 2016

Action taken report

Department	Stakeholder	Feedback received	Action taken
Chemical Engineering	Students	1. More Emphasizes on advanced topics. 2. Upgradation needs to be done of the material for certain subjects.	Emphasis is given for EL Topics and students are encouraged to take up advanced topics in EL Open-ended experiments by using current industry tools were introduced in lab course Syllabus was revised and updated for few courses.

Department of Civil Engineering

BE Programme Scheme: 2016

ACTION TAKEN REPORT- STUDENT FEEDBACK

2019 – 2020

Sl no.	Feedback received	Action taken
1	Few students opined that the curriculum being on a good level in acquiring sound fundamental knowledge in mathematics, science and principles of Civil Engineering.	• Real time problems/ problems related to civil engineering were worked out in tutorial classes for the courses which involve mathematics concepts viz., Engineering mechanics, elements of mechanical engineering and engineering physics. • Changes in the curriculum for the course Environmental Technology and inclusion extensive survey camp.
2	Majority of the students opined that they have been able to identify the real-world problems, visualize and relate to academic subjects. However, the Research exposure to the students is inadequate	• Training programme for use of software are conducted for students in the courses of Building construction and Planning, Structural analysis. • Professional ethics as a part of curriculum is included in Major project and Experiential Learning
3	Few students responded that they are able to achieve this, as most of the projects developed by the students focus on the social and environmental issues. However, students expressed that the application to real world problems needs to be addressed	Courses, that inculcate the ability to design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations, are included and continuously updated
4	Majority of the students responded that the curriculum has to be improved adopting research methods including design of experiments, analysis and interpretation of data	Weightage for literature review and research methodologies have been incorporated as a part of rubric evaluation in Major and minor Projects which enables students to analyz and synthesize technical data.
5	Majority of the students opined that Up-gradations of tools and resources are necessary to meet the industry standards and research.	Students are taught with modern modes and methods of teaching like using LCD Projectors and with interactive and digital boards and learning in smart class rooms, smart attendance systems equipped with real time lectures.
6	It was found that through student's feedback, the ability of the individual to manage stress ethically and morally was lagging	Technical annual event "Concrete Fair" has been initiated and organized by the department, which is completely managed by the students.

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ACTION TAKEN: STUDENT FEEDBACK

Department of Computer Science and Engineering

Action Taken Report (ATR) on Students Feedback (BE) received during AY 2019-20

BE Programme Scheme: 2016

Department	Stakeholder	Feedback Received	Action Taken
Department of Computer Science and Engineering	Student	The exit survey is mapped to Program outcomes and its attainment is calculated. ➢ All the POs are achieved to a greater extent. PO3 design/development of solution, PO6 Engineer and society, Environment sustainability, PO12 lifelong learning are relatively less. ➢ Students felt, the curriculum should have more practical applications and industry relevant subjects.	➢ DTL labs, EL component, project part in labs will contribute to the improvement of PO3. In major project, a component is added where the students have to map their projects to the environment and safety. Students are encouraged to take up higher studies and are explained about the importance of life long learning. ➢ Curricula is framed taking industry expert views into consideration. BOS has industry experts to suggest latest technologies. ➢ Students are encouraged to be part of COE and various clubs to improve technically.

ACTION TAKEN: STUDENT FEEDBACK
Department of Computer Science and Engineering
M. Tech in Computer Network Engineering

Action Taken Report (ATR) on Students Feedback (PG-CNE) during AY 2019-20

Department	Stakeholder	Feedback Received	Action Taken
Department of Computer Science and Engineering **PG-CNE**	Student	➢ Most of the students joined the PG program with a clear goal. ➢ They found curriculum catered to technical, societal, environment and other issues. ➢ They felt electives can be more diverse and help specialization. ➢ Extracurricular activities were also encouraged with academics	➢ The CSE department gets the best students from the state. Also, for PG, we get many GATE students. Hence the quality of the curricula is very important. ➢ Minor and major projects rubrics included environment, sustainability for evaluation. ➢ Students are encouraged to participate in sports, cultural and extracurricular activities. ➢ Interdisciplinary electives are included in the second semester. ➢ Placement department is active to attract PG students from state and across country.

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ACTION TAKEN: STUDENT FEEDBACK
Department of Computer Science and Engineering
Action Taken Report (ATR) on Students Feedback (MTECH CSE) received during AY 2019-20

Department	Stakeholder	Feedback Received	Action Taken
Department of Computer Science and Engineering M.Tech in Computer Science and Engineering	Student	• Most of them felt that their problem solving skills to solve practical problems is improved. • Majority of them rated their curriculum components seminars, assignments and projects equipped them in writing substantial technical writing • Students felt, the curriculum should have still more practical applications and industry relevant subjects.	• Curricula is framed taking inputs from industry. BOS has industry experts to suggest latest technologies. • New Rubrics for many of the components of the syllabus was introduced to help them students achieve better attainment of courses they learn. • Various industry offered electives and Interdisciplinary electives are included. • Minor and major projects rubrics included environment, sustainability for evaluation.

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

BE Programme Scheme: 2016

Action Taken-2019-20

Department	Stakeholder	Feedback Received	Action Taken
Department of Electronics and Communication	Student	1. More emphasis needs to be given for project-based learning 2. Lab components to be included that could help the students in more practical approach. 3. Current syllabus has only the basic concepts of the signals, advanced signal processing approach to be included. 4. More focus to be given on real time applications.	1. The enhancement on events including webinar and workshop. 2. A curriculum that incorporates industry-standard tools and practical applications will better prepare students for the workforce 3. More focus must be given on the basics. 4. Continue and give more importance to project presentations

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

Action Taken 2019-20

M.Tech: VLSI

Department	Stakeholder	Feedback Received	Action Taken
Department of Electronics and Communication	Student	1. More Emphasizes on advanced topics. 2. Hands on advanced topics can be added for the course. 3. Implement project-based learning exercises where students tackle real-world design problems from conception to physical implementation. 4. Encourage collaboration and hands-on experience to reinforce theoretical knowledge.	1. Lab experiments with new simulation tools and hardware kits are to be included for the industry exposure. 2. A curriculum that incorporates industry-standard tools and practical applications will better prepare students for the workforce 3. More emphasis is given for EL and open-ended experiments by using current industry tools. 4. More open ended experiments are added in practical's.

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

BE Programme Scheme: 2016

Action Taken Report on Students Feedback Analysis on Curriculum AY 2016-20

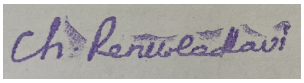
Department	Stake Holders	Feedback Insights	Action Taken
Electrical and Electronics Engineering	Student	• Material Upgrades: Update and improve the educational materials for specific subjects to enhance learning outcomes. • Emphasis on Practical Experience: Prioritize industrial visits as a crucial component of the learning process. • Industry Technology Updates: Conduct sessions featuring discussions on the latest technology trends, followed by practical labs to teach these technologies. • Implementation of Comprehensive Case Studies: Introduce holistic case studies for students to address and solve supply chain issues effectively. • Curriculum Enhancement: Integrate courses that highlight the quality, importance, and value of industrial engineering.	Established partnerships with leading companies across multiple industries to schedule regular visits. Integrated industrial visits into the curriculum as a mandatory component for specific courses. Developed pre-visit and post-visit workshops to prepare students for the visits and to debrief and integrate their learning experiences. Collaborated with industry partners to provide current, relevant scenarios that require innovative solutions. Facilitated workshops where students can apply theoretical knowledge to these practical issues under faculty and professional guidance. Initiated a guest lecture series featuring industry experts discussing the latest technology usage in their fields. Followed up lectures with hands-on lab sessions where students can directly engage with the technologies discussed. Updated lab equipment and software to ensure state-of-the-art technology is available for student learning. Developed and integrated a series of holistic case studies focusing on real-world supply chain challenges.

Action taken – Student feedback

Department of Electronics and Instrumentation Engineering

Action taken report (ATR) for 2016-20 batch exit survey BE Programme Scheme: 2016

Department	Stakeholder	Feedback received	Action taken
EIE	Students	More electives required to effectively specialize in the area of interest.	1. The feedback was considered for restructuring the syllabus. 2. More professional core electives were offered in the revised scheme. MOOC courses will be introduced. The MOOC Courses like Python, Java, Communication courses will be offered as choice in MOOC.



DEPARTMENT OF ELECTRONICS & TELECOMMUNICATION ENGINEERING

Action Taken-2019

BE Programme Scheme: 2016

Sl. no	Feedback Analysis	Action Taken
1	Industry visit, Equal emphasis to be given to both software & hardware subjects, More emphasis is required on software. 1. More emphasis needs to be given for project-based learning 2. Lab components to be included that could help the students in more practical approach. 3. Current syllabus has only the basic concepts of the signals, advanced signal processing approach to be included. 4. More focus to be given on real time applications.	1. The enhancement on events including webinar and workshop. 2. A curriculum that incorporates industry-standard tools and practical applications will better prepare students for the workforce 3. More focus must be given on the basics. 4. Continue and give more importance to project presentations

ACTION TAKEN REPORT: STUDENT FEEDBACK

Department: Industrial Engineering and Management

Academic Year 2019-20

BE Programme Scheme: 2016

Sl. No	Specific Feedback Received	Action Taken
1	More industrial visits is required	Several industry visits including visit to Toyota Plant Jigani, Bangalore was carried out for the said period.
2	More practical approach to teaching learning process	Case study-based learning is encouraged for students in courses such as Manufacturing process, Metrology and measurements, Design of work systems which again involved students interacting with industry. Students are encouraged to take part in case competitions conducted by companies such as Cisco etc.
3	Courses such as Robotics should have labs for improved learning.	For Robotics, lab has been added with emphasis on CNC training. 10 exercises and open ended exercise is part of the lab.
4	Core Course such as “Principles of soft computing” is too dry for IEM and is not adding value.	Principles of soft computing is removed for IEM and Robotics and Automation is now considered for core courses.
5	Bring Product Design and supply chain courses one semester back in order to add more value.	This was discussed and debated but was not done due to pre-requisite related issues and not having any slots.

Department of Information Science and Engineering

Action Taken Report for the year 2019-2020

BE Programme Scheme: 2016

FeedBack Received	Action Taken
1)Students response was posivite with respect to Curriculum design with a optimum combination of basic science and engineering, core domain knowledge lab components and projects. The electives offered helped them in effectively specializing in the area of interest Students were able to manage Curriculum along with in co-curricular activities	1)More choices of elective was included keeping in latest trends in the industry
2)The students were able to apply knowledge and understanding of the engineering and management principles to manage projects and in multidisciplinary environments.	2)To encourage modern engeneering & IT tools, including prediction & modelling to complex engg. activities, with understanding the limitations

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Dept of Mechanical Engineering

BE Programme Scheme: 2016

Action Taken Report on Student Feedback received during 2019-20

Student Feedback	Action taken
P1 - How well the program curriculum enabled you to apply fundamental knowledge P2 - Identifying, formulating, and analyzing complex engineering problems: P3 - Designing solutions for complex engineering problems: P4 - Investigating complex problems through research knowledge: P5 - Applying appropriate modern engineering techniques and IT tools: P6 - Applying reasoning informed by contextual knowledge: P7 - Understanding the impact of professional engineering solutions in societal and environmental contexts: P8 - Applying ethical principles in professional responsibilities: P9 - Functioning as an individual and in diverse teams: P10 - Communicating effectively on complex engineering activities, P11 - Understanding engineering and management principles: P12 - Engaging in independent and life-long learning:	✓ Comprehensive review of curriculum elements contributing to high ratings and addressing areas needing enhancement ✓ Introduction of additional workshops, seminars, and projects to fortify problem-solving capabilities ✓ Allocation of resources for independent and collaborative problem-solving ✓ Increase in hands-on projects and case studies to apply theoretical knowledge to practical scenarios ✓ Integration of professional feedback into course content updates to stay abreast of industry advancements ✓ Provision of guidance and resources for in-depth research and opportunities for publication or presentation at conferences ✓ Training sessions on cutting-edge engineering software and updates in IT infrastructure to hone practical skills ✓ Integration of real-world examples and case studies to foster critical thinking and contextualize engineering decisions ✓ Emphasis on ethical decision-making through dedicated workshops, scenario discussions, and group projects ✓ Conducting communication workshops to effectively convey engineering concepts ✓ Introduction of interdisciplinary modules covering engineering and management principles ✓ Encouragement of internships in both engineering and management domains ✓ - Provision of resources for continuous

	professional development, certifications, and advanced degrees to enhance students' competencies and preparedness for the workforce.

Professor & Head
Department of Mechanical Engineering
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Bangalore - 560 059

Department of Master of Computer Applications
Action Taken Report (ATR) on Students Feedback received during the AY 2019 -2020

Department	Stakeholder	Feedback received	Action Taken
Department of MCA	Student	• 83.67% of the students felt Scheme and syllabus was good enough. • 79.59 % of the students felt process of conduction of Examination and Evaluation was satisfying. • 83.67 % of the students responded that Class Room Resources was satisfactory • 79.59% of the students responded that Faculty Resources and Quality was satisfactory • 79.59% of the students responded Department Administrative Services are appropriate • 81.63 % of the students responded that Teaching and Learning Process was outstanding • 85.71% of the students responded with good feedback on Computing / Lab Resources. • 83.67% of the students responded that New Facilities Generated for labs and other resources was outstanding. • 73.47 % of the students responded positively for the initiatives taken by the department • 55.10% of the students felt satisfactory for on campus sport facilities • 79.59% of the students responded positively for career counseling and placement services Need to add some new subject with updated versions like ReactJS, Angular8, Quantum computing, Deep Learning etc.. Take feedback from students about teaching faculty after a month of semester begins. Because had some problem regarding faculty teaching concepts they don't know and in the way That students couldn't understand	• Experiential Learning Component was introduced • For enabling ICT Process , the Class room were installed with Interactive Display Systems • Students feedback were taken twice in semester – At the beginning of the Semester and at the end of the semester in Offline and Online Mode • Deep Learning Course was introduced in the 2020 Scheme- III Semester as elective Course in the Data Science Stream for the students • React JS concepts was introduced in the Elective Course 20MCA353- Javascript Framework based Fullstack software solutions in the MCA 2020 Scheme Syllabus.The Course was integrated with lab component. All the five programs included in the Lab component have to be implemented using React JS Concepts.

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Department of
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INTERNAL QUALITY ASSURANCE CELL

Student Feedback: Action Taken Report 2018-19		
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ACTION TAKEN: STUDENT FEEDBACK

Department of Aerospace Engineering

Action Taken Report (ATR) on Students Feedback (BE) received during AY 2015-19

BE Programme Scheme: 2012

Department	Stakeholder	Feedback Received	Action Taken
Department of Aerospace Engineering	Student	Students strongly believe that the curriculum, syllabus, and the sequence of courses are well-defined and balanced. As per the feedback majority of the students, feel that the courses are highly regarded for applying fundamental knowledge of mathematics, science and engineering in their course Students expressed the non-availability of Laboratory setup for the course with lab due to commissioning of the lab Students felt the need of improvement in campus placement.	➢ The scheme and syllabus of the Aerospace Engineering program was enhanced for the 2016 scheme by taking the inputs from all the stake holders by incorporating more relevant elective courses and tailoring of syllabus content ➢ Students were taken to IISc for conducting the labs for completing the lab course requirements ➢ Faculty members are suggested to use new quicklearn platforms for enhancing the teaching-earning process ➢ Campus Placement department tried to collaborate with industries for enhancing the placement percentage

Action taken – Students feedback
Department of Biotechnology

Action taken report (ATR)

ATR on Students feedback for BTECH received during the AY 2018-2019 BE Programme Scheme: 2012

Department	Stakeholder	Feedback received	Action taken
Biotechnology	Students	➢ 65% of the students have rated the syllabus for excellent and very good. The syllabus is suitable for the course. ➢ 40% of the student have opined excellent for the teaching methods employed, pedagogical approaches and the student engagement as excellent but most of the them expressed its very good (80%). ➢ 80% have opined about the availability of adequate resources to deliver the curriculum. ➢ 60% expressed the sequence of the topics in the syllabus are very good. ➢ Structuring of the curriculum needs to be improved as mentioned by 60% of the students for their higher studies. ➢ The course needs to be more industry oriented (50%) ➢ Overall satisfaction on the curriculum is very good (90%)	➢ Inputs from the students were collected and during the course revision, the same was implemented in Concepts of Biotechnology, Basics of Computer Applications, Process Calculation and Biochemistry courses. ➢ Concepts of Biotechnology, Basics of Computer Applications, Process Calculation and Biochemistry courses. ➢ Nanotechnology should be offered separately and the same was offered by excluding the Biophysics course. As the nanotechnology and biophysics were clubbed earlier. ➢ Unit III in Agriculture Biotechnology course was repetitive, hence Biopesticides and biofertilizers were added to Unit III. Plant protection was given importance in Agriculture Biotechnology course. ➢ Post harvest preservation concepts were added in Food and Diary Biotechnology course. ➢ Numericals were added to Process dynamics and control course. ➢ The courses can be taught by adopting pedagogical activities such as project based learning, self study was introduced and use of AV were followed.

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ACTION TAKEN REPORT: STUDENT FEEDBACK
Department of Chemical Engineering
STUDENT EXIT SURVEY ANALYSIS 2018-19

BE Programme Scheme: 2012

Action taken report

Department	Stakeholder	Feedback received	Action taken
Chemical Engineering	Students	Implement project-based learning exercises where students tackle real-world design problems from conception to physical implementation. Advanced courses can be included in the syllabus	• Design thinking lab is introduced in 3rd semester to help students visualise and convert a problem to solution. • Machine Learning and Big Data Analytics courses introduced as electives

Department of Civil Engineering

ACTION TAKEN REPORT- STUDENT FEEDBACK

BE Programme Scheme: 2012

2018 – 2019

Sl no.	Feedback received	Action taken
1	Few students opined that the curriculum being on a good level in acquiring sound fundamental knowledge in mathematics, science and principles of Civil Engineering.	Real time problems/ problems related to civil engineering were worked out in tutorial classes for the courses which involve mathematics concepts viz., Engineering mechanics, elements of mechanical engineering and engineering physics.
2	Majority of the students opined that they have been able to identify the real-world problems, visualize and relate to academic subjects. However, the Research exposure to the students is inadequate	● Training programme for use of software are conducted for students in the courses of Building construction and Planning, Structural analysis. ● New course to be introduced: Green building systems and embodied energy.
3	Few students responded that they are able to achieve this, as most of the projects developed by the students focus on the social and environmental issues. However, students expressed that the application to real world problems needs to be addressed	Courses, that inculcate the ability to design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations, are included and continuously updated
4	Majority of the students responded that the curriculum has to be improved adopting research methods including design of experiments, analysis and interpretation of data	Weightage for literature review and research methodologies have been incorporated as a part of rubric evaluation in Major and minor Projects which enables students to analyze and synthesize technical data.
5	Majority of the students opined that Up-gradations of tools and resources are necessary to meet the industry standards and research.	Students are taught with modern modes and methods of teaching like using LCD Projectors and with interactive and digital boards and learning in smart class rooms, smart attendance systems equipped with real time lectures.
6	It was found that through student's feedback, the ability of the individual to manage stress ethically and morally was lagging	Technical annual event "Concrete Fair" has been initiated and organized by the department, which is completely managed by the students.

ACTION TAKEN: STUDENT FEEDBACK

Department of Computer Science and Engineering

Action Taken Report (ATR) on Students Feedback (BE) received during AY 2018-19

BE Programme Scheme: 2012

Department	Stakeholder	Feedback Received	Action Taken
Department of Computer Science and Engineering	Student	➢ All program outcomes are achieved to a greater extent. PO3 design/development of solution, PO6 Engineer and society, Environment sustainability, PO12 lifelong learning are relatively less. ➢ Project based learning which improves team work, finance management, critical thinking was suggested to be improved.	➢ DTL labs, EL component, project part in labs will contribute to the improvement of PO3. In major project, a component is added where the students have to map their projects to the environment and safety. Students are encouraged to take up higher studies and are explained about the importance of life long learning. ➢ Scheme of syllabus was revised to include Design Thinking Lab in 3rd semester so that students think and design a real time project. Experiential learning was introduced in all subjects. Labs were modified to have project based learning along with fixed problems.

ACTION TAKEN: STUDENT FEEDBACK
Department of Computer Science and Engineering
M. Tech in Computer Network Engineering

Action Taken Report (ATR) on Students Feedback (PG-CNE) during AY 2018-19

Department	Stakeholder	Feedback Received	Action Taken
Department of Computer Science and Engineering **PG-CNE**	Student	➢ Most of the students joined the PG program with a clear goal. ➢ They found curriculum catered to technical, societal, environment and other issues. ➢ They felt electives can be more diverse and help specialization. ➢ Extracurricular activities were also encouraged with academics	➢ The CSE department gets the best students from the state. Also, for PG, we get many GATE students. Hence the quality of the curricula is very important. ➢ Minor and major projects rubrics included environment, sustainability for evaluation. ➢ Students are encouraged to participate in sports, cultural and extracurricular activities. ➢ Interdisciplinary electives are included in the second semester. ➢ Placement department is active to attract PG students from state and across country.

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

Action Taken-2018-19

BE Programme Scheme: 2012

Department	Stakeholder	Feedback Received	Action Taken
Department of Electronics and Communication	Student	1. Lab components to be included that could help the students in more practical approach. 2. Current syllabus has only the basic concepts of the signals, advanced signal processing approach to be included. 3. As hardware experiments were only part of the syllabus, to understand the concepts in depth the same can be implemented on FPGA.	1. Lab experiments with new simulation tools and hardware kits are to be included for the industry exposure. 2. A curriculum that incorporates industry-standard tools and practical applications will better prepare students for the workforce 3.More emphasis is given for EL and open-ended experiments by using current industry tools.

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

Action Taken-2018-19

M.Tech: VLSI

Department	Stakeholder	Feedback Received	Action Taken
Department of Electronics and Communication	Student	1. Hands on Session to be done in the industry collaborated labs. 2. More emphasis needs to be given for project-based learning 3. Industry talks and Industry visit has to be arranged 4. Hands on Session to be done in the industry collaborated labs.	1. The specific skill and knowledge are enhanced in Experiential Learning (EL) & internship minor and major projects. 2. A curriculum that incorporates industry-standard tools and practical applications will better prepare students for the workforce 3.More emphasis is given for EL and open-ended experiments by using current industry tools. 4. More open ended experiments are added in practical's.

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

BE Programme Scheme: 2012

Action Taken Report on Students Feedback Analysis on Curriculum AY 2018-19

Department	Stake Holders	Feedback Insights	Action Taken
Electrical and Electronics Engineering	Student	• Considerations for new courses to incorporate into the program. • Proposals for introducing new Departmental or Global electives. • Recommendations for courses to be discontinued within the program. • Suggestions for Departmental or Global electives to be phased out.	• concise version of the discussion points for the Board of Studies (BoS) meeting, based on the student feedback: • Curriculum Expansion: Identify potential courses for addition to enhance the educational offerings. • Course Enhancement: Pinpoint existing courses that would benefit from the integration of practical lab components. • Course Value Assessment: Review courses that are perceived as offering limited value to determine whether they should be continued or phased out. • Course Classification Updates: Discuss the reclassification of select electives as core courses to reflect their foundational importance. • Core to Elective Transition: Consider reclassifying certain core courses as professional electives to allow greater flexibility in student course choices. • Global Elective Strategy: Evaluate and potentially expand the range of global electives available to ensure they align with international educational standards and address student interests. •

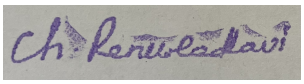
Action taken – Student feedback

Department of Electronics and Instrumentation Engineering

BE Programme Scheme: 2012

Action taken report (ATR) for 2015-19 batch exit survey

Department	Stakeholder	Feedback received	Action taken
EIE	Students	More Knowledge required in designing and conducting experiments and then, analyzing & interpreting the results.	1. The feedback was considered for restructuring the syllabus. 2. Experiential learning is one of the key aspects introduced to strengthen the student's ability to learn, work, plan for the experiments, execute the projects in the stipulated time and understand the fundamentals to the advanced levels in their respective domains. 3. Design Thinking Labs were introduced in 2018 scheme. It is a hands-on space where students use the design thinking methodology to tackle real-world challenges creatively.



DEPARTMENT OF ELECTRONICS & TELECOMMUNICATION ENGINEERING

Action Taken-2018

BE Programme Scheme: 2012

Sl. no	Feedback Analysis	Action Taken
1	• To Revise the syllabus according to Industry requirement. • To introduce more practical lab. • To organise more Invited talk. • To introduce courses like Coding related courses, VLSI, More Concept of Networking, Current ongoing changes in Wireless communication – In par with industries, Image processing lab, HFSS lab, Low power VLSI, System verilog, AI, ML, Oracle, DBMS.	• The point is discussed in AAC and BoS meeting. New simulation tools have been included in 2018, 2021 & 22 schemes. • Industry based courses has been introduced in 2018, 21 & 22 schemes. • More emphasis is given for EL and open-ended experiments by using current industry tools.

ACTION TAKEN REPORT: STUDENT FEEDBACK

Department: Industrial Engineering and Management
BE Programme Scheme: 2012
Academic Year 2018-19

Sl. No	Specific Feedback Received	Action Taken
1	Modernization in teaching equipment's and methods are the need of the day.	Interactive smart board was procured and commissioned in the department (IEM-124 classroom). (1 number)
2	More emphasis on hands-on experience should be encouraged for students.	Design Thinking as a mandatory course was offered to 2nd year students of all the programs 2018 Scheme onwards. The weightage of 10 marks experiential learning for 100 marks course was increased to 20 marks has been considered from 1st Year 2018 Scheme.
3	Internships should be part of the curriculum and not something that students do on their own.	Internship was offered as a 2 credit course which will be carried out at the end of IV semesters and evaluation to be done during the V semester of 2018 Scheme.
4	Emphasis on English language should be given more priority to enhance placements and other opportunity.	English language lab is introduced as part of 1st year curricula.
5	The students should be exposed to aspects of environment and sustainability through experiential learning.	In line with AICTE guidelines, 4 weeks of innovative engagement "Student Induction Program" was conceived and executed and "Community action and outreach" was encouraged in the name of "activity points" during September 2018-19.

Information Science and Engineering Department

Action Taken Report for the year 2018-2019 BE Programme Scheme: 2012

FeedBack Received	Action Taken
1)Most of the students were satisfied with the Curriculum to meet ther expectations.They were happy with the support provided by the innovative teams which helped them to expand knowledge of there intrest.	1)More laboratory component in each of the courses in the curriculum were included which was needed for sustainable development.
2)The curriculum provided enough confidence to take up professional challenges including effective communication and comprehension	2)Curriculum encourages Industry visits, Internship and projects.

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Dept of Mechanical Engineering

ACTION TAKEN SAMPLE: STUDENT FEEDBACK

BE Programme Scheme: 2012

Action Taken Report on Student Feedback received during 2018-19

Student Feedback	Action taken
P1 - How well the program curriculum enabled you to apply fundamental knowledge P2 - Identifying, formulating, and analyzing complex engineering problems: P3 - Designing solutions for complex engineering problems: P4 - Investigating complex problems through research knowledge: P5 - Applying appropriate modern engineering techniques and IT tools: P6 - Applying reasoning informed by contextual knowledge: P7 - Understanding the impact of professional engineering solutions in societal and environmental contexts: P8 - Applying ethical principles in professional responsibilities: P9 - Functioning as an individual and in diverse teams: P10 - Communicating effectively on complex engineering activities, P11 - Understanding engineering and management principles: P12 - Engaging in independent and life-long learning:	✓ Comprehensive review of curriculum elements contributing to high ratings and addressing areas needing enhancement ✓ Introduction of additional workshops, seminars, and projects to fortify problem-solving capabilities ✓ Allocation of resources for independent and collaborative problem-solving ✓ Increase in hands-on projects and case studies to apply theoretical knowledge to practical scenarios ✓ Provision of guidance and resources for in-depth research and opportunities for publication or presentation at conferences ✓ Training sessions on cutting-edge engineering software and updates in IT infrastructure to hone practical skills ✓ Integration of real-world examples and case studies to foster critical thinking and contextualize engineering decisions ✓ Emphasis on ethical decision-making through dedicated workshops, scenario discussions, and group projects ✓ Conducting communication workshops to effectively convey engineering concepts ✓ Provision of resources for continuous professional development, certifications, and advanced degrees to enhance students' competencies and preparedness for the workforce

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Department of Master of Computer Applications
Action Taken Report (ATR) on Students Feedback received during the AY 2018 -2019

Department	Stakeholder	Feedback received	Action Taken
Department of MCA	Student	• 88.79% of the students felt the Scheme and syllabus was good enough. • 94.83 % of the students felt process of conduction of Examination and Evaluation was excellent • 89.66 % of the students responded that ClassRoom Resources was good • 92.24% of the students responded that Faculty Resources and Quality was outstanding • 87.07% of the students responded student counseling system are appropriate • 93.97 % of the students responded that Teaching and Learning Process was outstanding • 89.66% of the students responded with good feedback on Computing / Lab Resources. • 93.1% of the students responded that New Facilities Generated for labs and other resources was excellent • 69.83% of the students felt satisfactory for on campus sport facilities • 87.93% of the students responded positively for career counseling and placement services	• As part of the Counseling System, the number of students under faculty counselor were reduced to 15 from 20 students for 2020 Batch students onwards. Faculty Members were advised to conduct student counselor meetings regularly and also counsel their students as and when required. • Counseling and Student Performance Review I and Review II is scheduled after CIE I and CIE-II to review the performance of the students in CIE -I and CIE -II • The students were motivated to take part in sports activities.Few of the students took part in intercollegiate sports activities • As part of lab resources, Additional UPS for uninterrupted power supply was facilitated to students • Replacement of UPS batteries to get good performance • Additional IoT Sensors were procured to facilitate the students to carry out IoT related projects.

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