Action Taken Report on Feedback of Stakeholders

Session (2023-24)

Program Name: Bachelor of Technology in Civil Engineering

Department of Civil Engineering
Faculty of Technology
Quantum University, Roorkee

Action Taken Report of the Department

(On the basis of the suggestions made by the IQAC and Sub Specialty Groups of the Departments on the Feedback of all stakeholder)

Action Taken Report **Department Name: Department of Civil Engineering**		
Feedback Session: 2023-24		
Curriculum Design		
Code	**Recommendation by Sub Specialty Groups of the Department**	**Action taken in designing the syllabus for 2024-25**
CE33201	**R-5:**SSG recommended inclusion of soil mechanics inEngineering Geology.	Implemented
CE34203	**R-5:**SSG recommended inclusion of Geomatics in Engineering survey.	Implemented
CE36301	**R-5:**SSG recommended inclusion of Engineering hydrology with water resource engineering.	Implemented
CE35302	**R-5:**SSG recommended inclusion of Course of Intelligent Transportation Systems (ITS) in semester VIII.	Implemented

Other Teaching Learning Aspects		
Experiential Learning:	**R-4:**Make extracurricular activities better by supporting student-led projects, organizing events often, and asking for feedback. Make sure everyone can join easily and acknowledge accomplishments to encourage more involvement and growth. **R-6:**To prepare students for jobs and improve their chances of getting hired, prioritize projects and summer internships that relate to real-world industries. VAC courses should teach the specific skills that industries need, especially for students	We have organized several technical events under the umbrella of CIVILINKS, the civil engineers' club. These events provide students with opportunities to engage in real-world engineering scenarios, enhancing their practical knowledge and skills. Students are involved in live projects and receive training on

	about to graduate. **R-7:**Encourage working together across different subjects, focus on mentoring, publish in good journals, share research openly, and support new ideas and academic freedom.	software tools like AutoCAD, Revit Architecture, STAAD Pro, and ETABS in our Value-Added Courses (VAC). This hands-on experience is crucial for their professional development and technological proficiency. Additionally, we have encouraged each student to contribute to writing book chapters during their tutorial classes. This initiative develops their research and writing skills while deepening their understanding of specific civil engineering topics.
Elaborative Orientation Program	**R-2:**A detailed and helpful orientation program should be held separately for new and returning students. This program will provide complete information about the courses offered, ensuring that all students receive clear guidance and information about their academic path and professional expectations.	Organized orientation program during the start of the session
Overall teaching-learning aspect	**R-1:**Considering the nature of the subject, the teaching pedagogy of the subject 'Communication & Professional Skills' teaching pedagogy should be improved by practical applications such as debates, extempore, group discussions, mock interview. **R-3**: Faculty should give students research topics based on what they're interested in and what they specialize in. They should keep checking in and guiding students regularly as they work on their research projects and papers. Faculty should also make sure students get involved in real-world projects so they can learn how to do market research and use their knowledge to solve real-life problems. **R-5:**Updating what students learn often, ensure courses reflect core values and future	In the Communication & Professional Skills course, we have incorporated practical applications such as debates, impromptu speeches, group discussions, and mock interviews. Additionally, we encourage each student to contribute to writing book chapters during their tutorial sessions, which not only improves their research and writing skills but also deepens their understanding of specific civil engineering topics. We have also recommended that students enroll in minor courses to foster interdisciplinary approaches. To further raise awareness, we have organized workshops, guest

	goals, integrate interdisciplinary approaches, and update content to stay current with emerging trends, mixing different subjects in teaching, using new technologies, and focusing on real-world experience as well as book knowledge. **R-7:**Encourage working together across different subjects, focus on mentoring, publish in good journals, share research openly, and support new ideas and academic freedom. **R-9:**Spread knowledge with workshops, guest talks, and required courses like human values, disaster readiness, and environmental studies to raise awareness.	lectures, and required courses on topics like human values, disaster preparedness, and environmental studies.
Training for Placements	**R-6:**To prepare students for jobs and improve their chances of getting hired, prioritize projects and summer internships that relate to real-world industries. VAC courses should teach the specific skills that industries need, especially for students about to graduate.	In our Value-Added Courses (VAC), students engage in live projects and receive training on essential software tools such as AutoCAD, Revit Architecture, STAAD Pro, and ETABS. This practical experience is vital for their professional growth and technical skills.
Communication Skills	**R-8:**To get better at communication, focus more on presentations within your department and with other departments. SSG recommended to encourage students to take part in debates and public speaking activities.	Encouraged students to participate in debates and public speaking activities, in alignment with SSG recommendations.

Dr Varsha Gupta
Faculty Incharge
University feedback System

Quantum University, Roorkee

DIRECTOR
IQAC
Quantum University, Roorkee

Action Taken Report on Feedback of Stakeholders

Session (2023-24)

Program Name: Master of Technology in Structure Engineering

Department of Civil Engineering
Faculty of Technology
Quantum University, Roorkee

Action Taken Report of the Department

(*On the basis of the suggestions made by the IQAC and Sub Specialty Groups of the Departments on the Feedback of all stakeholder*)

Action Taken Report **Department Name: Department of Civil Engineering**		
Feedback Session: 2023-24		
Curriculum Design		
Code	**Recommendation by Sub Specialty Groups of the Department**	**Action taken in designing the syllabus for 2024-25**
CE41105	**R-7:**As per NEP guidelines of compulsory 20% modification in syllabus and suggested by SSG, introduction of Structural Dynamics.	Bridge Design replaced by Structural Dynamics.
CE41161	**R-7:**Subject faculty and SSG. recommended introduction of Advanced concrete lab	New Lab introduced in the semester.
CE41162	**R-7:**Subject faculty and SSG. recommended introduction of Structural Design Lab or Model Testing Lab.	New Lab introduced in the semester.
CE42103	AS suggested by SSG, introduction of Finite Element method	Advance design of steel structure replaced by Finite Element method
CE42110	R-7: SSG recommended introduction of Analytical and Numerical Methods for Structural Engineering.	New subject introduced in the semester.
CE42111	**R-7:**As suggested by SSG, introduction of Structural Health monitoring.	New subject introduced in the semester.
CE42112	**R-7:**Subject faculty and SSG. recommended introduction of Theory and Applications of Cement Composite.	New subject introduced in the semester.
CE42113	**R-7:**SSG recommended introduction of Theory of Structural Stability.	New subject introduced in the semester.
CE43213	**R-7:**As per NEP guidelines of compulsory 20% modification in syllabus and suggested by SSG, introduction of Fracture mechanics of concrete structures.	New subject introduced in the semester.

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CE43214	**R-7:**Subject faculty and SSG. recommended introduction of Design of Industrial Structures.	New subject introduced in the semester.
CE43215	**R-7:**SSG recommended introduction of Design of Formwork.	New subject introduced in the semester.
CE43216	**R-7:**SSG recommended introduction of Design of Masonry Structures.	New subject introduced in the semester.
CE43217	**R-7:**SSG recommended introduction of Design of laminated composite plates.	New subject introduced in the semester.

Other Teaching Learning Aspects		
Elaborative Orientation Program	**R-5:**A detailed and helpful orientation program should be held separately for new and returning students. This program will provide complete information about the courses offered, ensuring that all students receive clear guidance and information about their academic path and criteria for selecting electives and Minor courses should be explained in detail by the department.	Successfully conducted orientation programs for new and senior students, providing comprehensive information about subjects, teachers, mentors, and elective choices.
Overall teaching-learning aspect	**R1:**On behalf of student`s feedback and on suggestion of alumni, SSG members and Academicians, curriculum has been modified as per current requirement. Choice based credit system and interdisciplinary concepts have been implemented **R2:** Grouping Slow learner with Fast learner may speed up their learning process and understanding about the subject, and Fast learner with Fast learner may facilitate strong research development **R3:** Provide students with hands-on experience to apply theoretical concepts in real-world scenarios. This could involve conducting experiments, collecting and analyzing data, or working with structure analysis and design (software) tools. **R-7:**Updating what students learn often,	The curriculum will be updated to include a choice-based credit system,interdisciplinary concepts, hands-on experience, and grouping strategies to enhance learning and research development.

	ensure courses reflect core values and future goals, integrate interdisciplinary approaches, and update content to stay current with emerging trends, mixing different subjects in teaching, using new technologies, and focusing on real-world experience as well as book knowledge.	
Vocational Courses	**R-9:**Spread knowledge with workshops, guest talks, and required courses like , tall building structure design, construction management.	Promoting knowledge through workshops and guest lecture.
Training for Placements	**R-8:**To prepare students for jobs and improve their chances of getting hired, prioritize projects and summer internships that relate to real-world industries. VAC courses should teach the specific skills that industries need, especially for students about to graduate.	In our Value-Added Courses (VAC), students engage in live projects and receive training on essential software tools such as AutoCAD, Revit Architecture, STAAD Pro, and ETABS. This practical experience is vital for their professional growth and technical skills.
Evaluation System	**R-6:**Transparent evaluation system in all subjects should be maintained by showing assignments/mid-term sheets and tutorials with students of respective subjects after their evaluations	Maintain a transparent evaluation system by identifying students as slow/advanced learner based on mid term marks.
Communication Skills	**R-4:**To get better at communication, focus more on presentations within your department and with other departments. SSG recommended to encourage students to take part in debates and public speaking activities.	Encouraged students to participate in debates and public speaking activities, in alignment with SSG recommendations.

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