INTEGRAL UNIVERSITY

CRITERION- I–CURRICULAR ASPECTS

1.4 Feedback System

1.4.1: Structured feedback for design and review of syllabus – semester- wise / year-wise is received from 1) Students, 2) Teachers, 3) Employers 4) Alumni

CONTENTS

Internal Quality Assurance Cell

Department of Civil Engineering

Structured Feedback Analysis & Action Taken Report

On

Curriculum Revision

FEEDBACK ANALYSIS

(The Structured Feedback on Curriculum is collected from all relevant stakeholders and is submitted to the Departmental Quality Assurance Cell (DQAC) to analyze and deliberate on various suggestions made by the stakeholders and put up an action plan. A detailed report has to be submitted in the office of the Head of the Department. Following is the notification (via Email) of DQAC meeting and its minutes.)

Department of Civil Engineering

Minutes of the Meeting of DQAC

Agenda: Analysis of Feedback (Session 2018-19) for all programs offered by the department. **Date: 27/03/2018**

Venue: Departmental Library **Time:** 4:00 pm

S.No.	Member Name	Designation	Signature
1.	Prof. Syed Aqeel Ahmad	Chairman	
2.	Mr. Sabih Ahmad	Convener	
3.	Mr. Rajeev Banerjee	Member	
4.	Mr. Zishan Raza Khan	Member	
5.	Mr. Mohd Kashif Khan	Member	
6.	Mr. Anwar Ahmad	Member	
7.	Mr. Yusuf Jamal	Member	

Invited Members

S.No.	Member Name	Designation	Signature
1.	Mr. Nusrat Ali	Assistant Professor	
2.	Mr. Mohd Sadat	Assistant Professor	
3.	Mr. Sarthak Singh Rajput	Assistant Professor	

Members Excused:

S.No.	Member Name	Designation	Reason
	N.A.		

Members Absent:

S.No.	Name	Designation	Reason
	N.A.		

Meeting Agenda details:

1. Discussion on feedback obtained from all stakeholders on curriculum revision and design
2. Preparation of detailed report on feedback obtained from stakeholders.
3. Strategy to incorporate relevant suggestions made by all stakeholders.

INTEGRAL UNIVERSITY LUCKNOW-INDIA

Prof. Mohammed Haris Siddiqui
Registrar
Integral University, Lucknow, India

Meeting Minutes:

After due discussions and deliberations following decisions were taken.

1. Feedback collected from all stakeholders was analysed and detailed report of the recommendation and suggestions was prepared.
2. The first seven questions have been rigorously designed to capture the qualitative characteristics of the curriculum and its enrichment. The last question is a subjective question which captures the suggestions of the stakeholders. The questions recorded stakeholder views against professional competencies, sequencing of the content, adequacy of syllabi coverage & credit allocation, adequateness of textbooks and reference materials, syllabus in terms of active engagement of students, depth of the syllabus with respect to industry/global scenarios, and suggestion by the stakeholder.
3. The stakeholders have recorded a positive feedback and have shown satisfaction regarding the proposed curriculum. The responses have been collated. The suggestions and necessary action plan for revisions/ additions in the syllabi are captured in the feedback analysis report.
4. The Feedback Analysis Report is enclosed and submitted for necessary action.
5. Meeting ended with thanks to chair

(DQAC Chairman)

(HOD)

INTEGRAL UNIVERSITY LUCKNOW-INDIA

Prof. Mohammed Haris Siddiqui
Registrar
Integral University, Lucknow, India

Internal Quality Assurance Cell

Department of Civil Engineering

Feedback Analysis Report

***B.Tech Civil Engineering, M.Tech Civil Engineering (with Specialization in Structural Engineering),M.Tech Civil Engineering (with Specialization in Construction Technology and Management), M.Tech Civil Engineering (with Specialization in Environmental Engineering), PhD (Civil Engineering)**

Feedback by Students:

The categorization of rating based on average score of different parameters is as follows:

S. No.	Question	Responses (in terms of %)				Average Score out of 4	Ratings
		Excellent (4)	Very Good (3)	Moderate (2)	Poor (1)		
1.	Professional Competencies: The syllabi/ courses are able to achieve the intended outcomes	87	9	2	2	3.90	Excellent
2.	Rate the sequencing of the contents in the syllabi/ courses	80	12	5	3	3.71	Excellent
3.	Rate the adequacy of coverage and credit allocation in syllabi/courses	82	7	8	3	3.68	Excellent
4.	Rate the adequacy of textbooks and reference materials mentioned in syllabi	79	14	7	-	3.72	Excellent
5.	Rate the syllabi content in terms of active engagement of the students	89	7	3	1	3.65	Excellent
6.	Rate the depth of the syllabus for the course in relation to the competencies expected by industry/global scenarios	71	17	9	3	3.56	Excellent
7.	The syllabi/course will help in adding competitiveness among learners and helps in carrier progression	88	8	3	1	3.83	Excellent

*Excellent >3 *Very Good >2 *Moderate>1 * Poor<=1

Text Suggestions:

- The syllabus is good, even teaching is good, but college should emphasize on making the syllabus more understandable for students so it can create an environment of better learning than what it is today, Introduction of new practical courses based on industry trends.
- The syllabus needs to be modified as per industry requirements. The make use of the software necessary,
- Some content related to MATLAB could be added. Rest the course content is up to mark.
- For the course Design of Hydraulics Structures ; the syllabus needs to be modified as per today's need.

Analysis of Feedback:

The Student's responses to the proposed changes in the curriculum against different parameters were analysed. Based on their feedback the following points were observed.

- Only 5% of the students rated **moderate** for the depth of the syllabus in relation to the competencies expected by industry/global scenarios.

Prof. Mohammed Haris Siddiqui
Registrar
Integral University, Lucknow, India

- 83% of the students rated the curriculum "Excellent" with respect to professional competencies, intended outcomes, sequencing of the contents, adequacy of textbooks and reference materials mentioned in syllabi, and will add competitiveness through active engagement among learners and will also helps in carrier progression. 11% rated it to be very good.
- Only 2% rated poor, the suggestion of such student are taken very seriously.

Action Plan:

- The analysis suggests that students' desires to focus on practical learning and more industry based curriculum. Department has planned to introduce courses and change in syllabi of practical courses.
- A new Short term course will be introduced to prepare students to be industry ready.

Feedback by Teachers:

The categorization of rating based on average score of different parameters is as follows:

S. No.	Question	Responses (in terms of %)				Average Score out of 4	Ratings
		Excellent (4)	Very Good (3)	Moderate (2)	Poor (1)		
1.	Professional Competencies: The syllabi/ courses are able to achieve the intended outcomes	39	51	10	-	3.29	Excellent
2.	Rate the sequencing of the contents in the syllabi/ courses	37	55	8	-	3.29	Excellent
3.	Rate the adequacy of coverage and credit allocation in syllabi/courses	36	59	5	-	3.31	Excellent
4.	Rate the adequacy of textbooks and reference materials mentioned in syllabi	32	48	20	-	3.12	Excellent
5.	Rate the syllabi content in terms of active engagement of the students	28	59	14	-	3.17	Excellent
6.	Rate the depth of the syllabus for the course in relation to the competencies expected by industry/global scenarios	24	64	7	5	3.07	Excellent
7.	The syllabi/course will help in adding competitiveness among learners and helps in carrier progression	35	42	23	-	3.12	Excellent

*Excellent >3 *Very Good >2 *Moderate>1 * Poor<=1

Text Suggestions:

- For the content of all courses offered in new specialization Hydraulic and Water Resources Engineering: Content are technically sound.
- For the course Environmental Engineering -II: Syllabus should be industry and competitive exam oriented.
- For the course Numerical Analysis and Finite Element: A important topic "Non Linear Equation is missing
- Introduction of MATLAb "An important Research tool for analysis" is also suggested for Masters student.
- Content of specialization in Construction Technology and Management of M.Tech-Civil are need revision

Analysis of Feedback:

The Teacher's response to the proposed changes in the curriculum against different were recorded and analysed. Based on their feedback the following points were captured.

- A majority of teachers rated the various parameters as excellent and very good.
- For the parameters where moderate and poor ratings were recorded, following action plan are proposed.

Action Plan:

- Changes and suggestions made by teachers shall be incorporated in the syllabi of the subjects.
- Suggestion on syllabus of new courses to be introduced will be incorporated.

INTEGRAL UNIVERSITY LUCKNOW-INDIA

Prof. Mohammed Haris Siddiqui
Registrar
Integral University, Lucknow, India

- Case studies and recent researches to be included as reference.
- Important software research are also included in syllabus

Feedback by Alumni:

The categorization of rating based on average score of different parameters is as follows:

S. No.	Question	Responses (in terms of %)				Average Score out of 4	Ratings
		Excellent (4)	Very Good (3)	Moderate (2)	Poor (1)		
1.	Professional Competencies : The syllabi/ courses are able to achieve the intended outcomes	63	23	13	1	3.48	Excellent
2.	Rate the sequencing of the contents in the syllabi/ courses	63	24	13	-	3.50	Excellent
3.	Rate the adequacy of coverage and credit allocation in syllabi/courses	52	38	5	5	3.37	Excellent
4.	Rate the adequacy of textbooks and reference materials mentioned in syllabi	48	40	7	5	3.31	Excellent
5.	Rate the syllabi content in terms of active engagement of the students	56	31	9	4	3.39	Excellent
6.	Rate the depth of the syllabus for the course in relation to the competencies expected by industry/global scenarios	51	35	11	3	3.34	Excellent
7.	The syllabi/course will help in adding competitiveness among learners and helps in carrier progression	60	12	14	14	3.18	Excellent

*Excellent >3 *Very Good >2 *Moderate>1 * Poor<=1

Text Suggestions:

- More one site visit may organize for developing a basic understanding
- The usefulness of composite structure in the multistorey building and its comparison with RCC structure should be taught to students so that they can know about its advantages
- For the course, Structural Analysis Lab upgrade lab and education level
- For the course Theory of Plates and Shell Software Based design can help understand the subject easily
- Kindly improve your training and placement cell.
- For the course Structural Analysis Lab (M.Tech) Mix Design is not thoroughly covered. Experiment related to stress and strain analysis is not very significant according to me.
- For the course Material Testing Lab Lime and timber testing are rarely done in practical scenarios. It can be removed as too many experiments are there and instead, the steel test can further be elaborated.

Analysis of Feedback:

The Alumni response to different parameters with regards to relevance of syllabi, content of the curriculum against student placement, employability, and progression to higher studies were recorded and analysed. Based on their feedback the following points were captured.

- A majority of alumni rated the various parameters as excellent and very good.
- For the parameters where moderate and poor ratings were recorded following action plan is proposed.

Action Plan:

- Site visit and expert lectures shall be organized as suggested by feedbacks.
- Inclusion of new topics and removal of outdated topics shall be initiated in courses.

INTEGRAL UNIVERSITY LUCKNOW-INDIA

Prof. Mohammed Haris Siddiqui
Registrar
Integral University, Lucknow, India

Feedback by Employer:

The categorization of rating based on average score of different parameters is as follows:

S. No.	Question	Responses (in terms of %)				Average Score out of 4	Ratings
		Excellent (4)	Very Good (3)	Moderate (2)	Poor (1)		
1.	Professional Competencies : The syllabi/ courses are able to achieve the intended outcomes	63	28	9	-	3.54	Excellent
2.	Rate the sequencing of the contents in the syllabi/ courses	61	22	11	6	3.38	Excellent
3.	Rate the adequacy of coverage and credit allocation in syllabi/courses	67	18	15	-	3.52	Excellent
4.	Rate the adequacy of textbooks and reference materials mentioned in syllabi	76	7	9	8	3.51	Excellent
5.	Rate the syllabi content in terms of active engagement of the students	75	11	9	5	3.56	Excellent
6.	Rate the depth of the syllabus for the course in relation to the competencies expected by industry/global scenarios	42	34	23	1	3.17	Excellent
7.	The syllabi/course will help in adding competitiveness among learners and helps in carrier progression	44	38	18	-	3.26	Excellent

*Excellent >3 *Very Good >2 *Moderate>1 * Poor<=1

Text Suggestions:

- For the course Environmental Engineering syllabus is too long. Remove outdated topics and introduce latest topics
- For the course Project Management in Construction lacks foam concrete and 3D printing topics. These topic are very essential
- Includes heavy construction equipment and safety related topics in course Construction Methods & Equipment Management.
- Make site visit mandatory for all students.

Analysis of Feedback:

The Employer' responses to different parameters were recorded and analysed. Based on their feedback the following points were captured.

- A majority of Employer rated the various parameters as excellent and very good.
- For the parameters where moderate and poor ratings were recorded following action plan is proposed.

Action Plan:

- Suggestions made by industry experts shall be incorporated with the advice of the statutory body's committee members.
- The practical aspect of the syllabi shall be enhanced for active engagement.

INTEGRAL UNIVERSITY * LUCKNOW-INDIA *

Prof. Mohammed Haris Siddiqui
Registrar
Integral University, Lucknow, India

Internal Quality Assurance Cell

Department of Civil Engineering

Action Taken Report

Department of Civil Engineering

(A detailed report on Feedback Analysis and Action Plan was prepared and submitted by the DQAC members in the office of the Head of the Department on 28/03/2018.The MoM of the Feedback Analysis is also attached.)

A meeting of the departmental DQAC members was held on 31st March, 2018. In this meeting the feedback analysis report submitted on 28th March, 2018 was discussed. After intense deliberations, the DQAC made the following recommendations as the Action Taken Report which was submitted to the BOS committee for further decision on revision and or addition of proposed syllabi. The following proposals were made in the meeting:

- Introduction of new specialization "Hydraulics and Water Recourse Engineering" in M.Tech Civil Engineering Program
- Introduction of new courses for Proposed specialization Hydraulics and Water Recourse Engineering" in M.Tech Civil Engineering Program
- Introduction of course "Principles of Measurements Environmental Pollution and Treatment CE708" in PhD program.
- Revision of the course "Design of Hydraulics Structures CE321" in third year of B.Tech program.
- Revision of the course "Environmental Engineering-II CE401" in the in seventh semester of B.Tech program.
- Revision of the course "Numerical Analysis and Finite Element Method CE511" in the M.Tech Civil program.
- Revision of the course "Computer Aided Design in Structural Engineering CE612" in the M.Tech Civil program
- Revision of the course "Project Management in Construction CE542" in the M.Tech Civil program
- Revision of the course "Construction Methods & Equipment Management CE543" in the M.Tech Civil program
- Revision of the course "Modern Construction Technique CE548" in the M.Tech Civil program
- Revision of the course "Sustainable Design & Value Analysis CE653" in the M.Tech Civil program
- Introduction of a new "Short Term Course" to make student industrial ready
- The DQAC activity calendar was planned for the session 2020-21 where it was decided that the following activities will be organized in the Department of Civil Engineering :
  - ❖ Short Term course on "Dual Plumbing System in Houses, Sewage Treatment Plant,Quality of Concrete, Prefabricated Structures, Design of Framed Structures and Scheduling of a Building using Primavera
  - ❖ Guest lecture by Industrial expert will be organized
  - ❖ Site visit for students

Based on the expert comments of the BOS members, the committee approved all the reports/agenda items and recommended it for further approval in the FB and AC.

Name & Signature
(Head of the Department)

Prof. Mohammed Haris Siddiqui
Registrar
Integral University, Lucknow, India