Internal Quality Assurance Cell

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 Computer Science and Engineering

NOTICE

A meeting of the DQAC of Department of Computer Science and Engineering is schedule to be held on 8th June 2023 at 11.30 a.m. in the DQAC Room, Department of CSE. All members are requested to make it convenient to attend.

Agenda: Analysis of Feedback Report (Session 2022-23) for all programs offered by the department.

Ms. Kavita Agrawal   6/June/23
HOD, Deptt. of CSE

Head
Department of Computer Science & Engineering
Integral University, Lucknow

Department of Computer Science and Engineering

Minutes of the Meeting of DQAC

Agenda: Analysis of Feedback Report (Session 2022-23) for all programs offered by the department

Date: 8th June 2023

Venue: DQAC Room, Department of CSE

Time: 11:30 a.m.

S.No.	Member Name	Designation	Signature
1.	Ms. Kavita Agarwal	Associate Professor & Head	*Kavita*
2.	Dr. Shish Ahmad	Professor, DQAC Chairman	*(signature)*
3.	Dr. Mohd. Haroon	Professor	
4.	Dr. M. M. Tripathi	Professor	*(signature)*
5.	Dr. Jameel Ahmad	Associate Professor	*(signature)*
6.	Dr. Halima Sadia	Associate Professor, DQAC Member Secretary	*(signature)*
7.	Dr. Faiyaz Ahmad	Associate Professor	*(signature)*
9.	Dr. Sheeba Praveen	Associate Professor	*Sheeba*
10.	Dr. Mohd. Akbar	Associate Professor	*(signature)*
11.	Dr. Mohammad Suaib	Associate Professor	*(signature)*
12.	Ms. Roshan Jahan	Assistant Professor	Absent
13.	Ms. Ankita Srivastava	Assistant Professor	*Ankita*
14.	Ms. Nudrat Fatima	Assistant Professor	*Halima*
15.	Dr. Sifatullah Siddiqi	Assistant Professor	Absent
16.	Dr. S. H. Abbas Rizvi	Assistant Professor	*(signature)*
17.	Ms. Saleha Mariyam	Assistant Professor	*Saleha*

Members Excused:

S.No.	Member Name	Designation	Reason
1.	NA Dr. Mohd. Haroon	Associate Professor	Admission Duty

Members Absent:

S.No.	Name	Designation	Reason
1.	NA Roshan Jahan	Asstt. Prof	—
2.	Dr. Sifatullah Siddiqi	Asstt. Prof	—

Meeting Agenda Details:

1. Discussion on all stakeholders' feedback on Curriculum Revision/ Introduction of New Course.

2. Preparation of detailed Feedback Analysis Report for all programs offered.

3. Preparation of Action Plan against suggested responses

Meeting Minutes:

After due discussions and deliberations following decisions were taken:

1. The collective feedback of all the stakeholders was analysed and a consolidated report of the recommendations was prepared. Feedback was taken against eight questions. 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.

2. The stakeholders have recorded a positive feedback and have shown satisfaction regarding the proposed curriculum. The responses have been collated and the suggestions and necessary action plan for revisions/ additions in the syllabi are captured in the feedback analysis report.

3. The Feedback Analysis Report is enclosed and submitted for necessary action.

4. Meeting ended with thanks to chair

(DQAC Chairman)

(HOD)

Head
Department of Computer Science & Engineering
Integral University, Lucknow

Internal Quality Assurance Cell

Department of Computer Science and Engineering

Feedback Analysis Report

*B.Tech. Computer Science & Engineering

*M.Tech. Computer Science & Engineering

<u>**Feedback by Students:**</u> *(Dept. of Computer Science & Engineering)*

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	75	25	-	-	3.8	Excellent
2.	Rate the sequencing of the contents in the syllabi/ courses	75	25	-	-	3.8	Excellent
3.	Rate the adequacy of coverage and credit allocation in syllabi/courses	67	33	-	-	3.7	Excellent
4.	Rate the adequacy of textbooks and reference materials mentioned in syllabi	75	25	-	-	3.8	Excellent
5.	Rate the syllabi content in terms of active engagement of the students	75	25	-	-	3.8	Excellent
6.	Rate the depth of the syllabus for the course in relation to the competencies expected by industry/global scenarios	67	25	8	-	3.6	Excellent
7.	The syllabi/course will help in adding competitiveness among learners and helps in carrier progression	75	25	-	-	3.8	Excellent

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

Text Suggestions:

- Introduction of new practical courses based on industry trends.
- Organizing workshops, guest lectures and seminars related to the current trends of computer science and engineering.
- Certification courses should be introduced.
- Active interactions with alumni were requested to bring help the students for career guidance and mentorship.
- Courses should be revised to introduce New Education Policy.
- More value-added courses related to the field of cloud computing should be introduced

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 captured.

- 77% 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. 23% rated it to be very good.

- Only 6% of the students rated **moderate** for the depth of the syllabus in relation to the competencies expected by industry/global scenarios.

Action Plan:

The analysis suggests that students' desire more focus on experiential learning. This can be improved by introducing more experiments and other experimental learning components. Certification courses should be introduced.

Feedback by Teachers: *(Dept. of Computer Science & Engineering)*

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	67	33	-	-	3.7	Excellent
2.	Rate the sequencing of the contents in the syllabi/ courses	75	25	-	-	3.8	Excellent
3.	Rate the adequacy of coverage and credit allocation in syllabi/courses	75	25	-	-	3.8	Excellent
4.	Rate the adequacy of textbooks and reference materials mentioned in syllabi	45	33	22	-	3.2	Excellent
5.	Rate the syllabi content in terms of active engagement of the students	45	33	22	-	3.2	Excellent
6.	Rate the depth of the syllabus for the course in relation to the competencies expected by industry/global scenarios	67	33	-	-	3.7	Excellent
7.	The syllabi/course will help in adding competitiveness among learners and helps in carrier progression	67	25	-	8	3.5	Excellent

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

Text Suggestions:

- More diverse teaching-learning methods should be adopted to teach syllabi.
- National Education Policy should be introduced at the UG and PG levels.
- More Value Added Courses to be introduced in field of Cloud Computing.

Analysis of Feedback:

The Teacher's response to the proposed changes in the curriculum against different parameters 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:

- National Education Policy be introduced at UG & PG levels.
- Recent research to be included as reference.
- Department should continue the practice to update the course content as per Industry need
- Assessment pedagogy should be included.
- Need to introduce courses more aligned to UNSDG

Feedback by Alumni: *(Dept. of Computer Science & Engineering)*

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	75	25	-	-	3.8	Excellent
2.	Rate the sequencing of the contents in the syllabi/ courses	45	33	22	-	3.2	Excellent
3.	Rate the adequacy of coverage and credit allocation in syllabi/courses	57	18	17	8	3.2	Excellent
4.	Rate the adequacy of textbooks and reference materials mentioned in syllabi	57	31	12	-	3.5	Excellent
5.	Rate the syllabi content in terms of active engagement of the students	45	33	22	-	3.2	Excellent
6.	Rate the depth of the syllabus for the course in relation to the competencies expected by industry/global scenarios	60	30	10	-	3.5	Excellent
7.	The syllabi/course will help in adding competitiveness among learners and helps in carrier progression	80	20	-	-	3.8	Excellent

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

Text Suggestions:

- Labs should focus more on logic building in programming.
- More emphasis on the practical knowledge and change in the syllabus that are actually useful in the industry.
- Syllabus should adapt the advancements and modifications to the technology and trends to keep the learning up to date.
- The syllabus should be revised for development of entrepreneurship skills.
- Engagement of teacher and students must be there to make the course more valuable.
- Focus on research work.
- Introduction of Cloud Security as a course.

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:

- For the adequacy of coverage and credit allocation in syllabi/courses, it will be revisited with the advice of the statutory bodies' committee members.
- The practicality of the syllabi shall be enhanced for active engagement.
- Recent researches to be included as reference.

Feedback by Employer: *(Dept. of Computer Science & Engineering)*

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	67	25	-	8	3.5	Excellent
2.	Rate the sequencing of the contents in the syllabi/ courses	45	33	22	-	3.2	Excellent
3.	Rate the adequacy of coverage and credit allocation in syllabi/courses	57	43	-	-	3.6	Excellent
4.	Rate the adequacy of textbooks and reference materials mentioned in syllabi	60	40	-	-	3.6	Excellent
5.	Rate the syllabi content in terms of active engagement of the students	80	20	-	-	3.8	Excellent
6.	Rate the depth of the syllabus for the course in relation to the competencies expected by industry/global scenarios	75	25	-	-	3.8	Excellent
7.	The syllabi/course will help in adding competitiveness among learners and helps in carrier progression	45	33	22	-	3.2	Excellent

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

Text Suggestions:

- Programming should be more focused than the theory part, to make students ready for the corporate.
- A great initiative, if this comes into effect.
- Curriculum has relevance to real life situations; reflects current trends and practices in the respective disciplines.
- Organizing workshops, guest lectures and seminars related to the current trends of computer science and engineering.
- Introduction of Data Security as a subject.

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:

- The adequacy of coverage and credit allocation in syllabi/courses, Professional Competencies to achieve the intended outcomes and adding competitiveness among learners will be revisited with the advice of the statutory body's committee members.
- The practicality of the syllabi shall be enhanced for active engagement.
- Recent researches to be included as reference.

Internal Quality Assurance Cell

Department of Computer Science and Engineering

Action Taken Report

*B.Tech. Computer Science & Engineering

*M.Tech. Computer Science & 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 of Computer Science and Engineering on 8th June 2023. The MoM of the Feedback Analysis is also attached.)

A meeting of the departmental DQAC members was held on 8th June 2023. In this meeting the feedback analysis report 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:

(Department of Computer Science and Engineering)

❖ To put for approval the evaluation schemes of 7th and 8th semester of B.Tech. CSE specialization in CC&AI in association with IBM and B.Tech. CSE specialization in DS&AI in association with IBM.

❖ Introduction and approval of syllabi of the following new course in 7th semester of B.Tech. CSE specialization in CC&AI in association with IBM: Cloud Security (CS486).

❖ Introduction and approval of syllabi of the following new course in 7th semester of B.Tech. CSE specialization in DS&AI in association with IBM: Data Security and Threat Analysis (CS485).

❖ To put for approval the following value-added courses offered by the department for the academic year 2023-24:

    o Salesforce Technology (CSV-23-01)

    o Cloudera: A Big Data Platform (CSV-23-02)

❖ List of courses with focus on employability, entrepreneurship and skill development.

❖ List of courses integrating cross-cutting issues relevant to professional ethics, gender, human values, environment and sustainability into the curriculum.

❖ Approval of external examiner(s) for the Theory and Practical subjects for the year 2023-24.

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.

Ms. Kavita Agrawal

HOD, Deptt. of CSE

Head

Department of Computer Science & Engineering

Integral University, Lucknow