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

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Annexure-I

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 of DQAC meeting and its minutes.

Department of Electrical Engineering

NOTICE

A meeting of the DQAC of Department of Electrical Engineering. is schedule to be held on 01.01.2019 in the HOD Room to discuss following agenda items. All members are requested to make it convenient to attend.

Agenda: *Analysis of Feedback Report (Session 2019-20) for all programs offered by the department.*

Prof. Mohammed Haris Siddiqui
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HOD, EED

HOD
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Integral University, Lucknow

Annexure-I

Department of Electrical Engineering

Minutes of the Meeting of DQAC

Date: 01.01.2019

Venue: HOD Room

Time: 02.00pm

Agenda: Analysis of Feedback (Session 2019-20) for all programs offered by the department.

S.No.	Member Name	Position
1.	Dr. Monauwer Alam	Chairperson
2.	Prof. M. A. Mallick	Member
3.	Dr. Asif Jamil Ansari	Member
4.	Dr. Fatima Yasmeen	Member
5.	Dr. A. F. Minai	Member
6.	Mr. Qamar Alam	Member
7.	Dr. M. Asim	Member
8.	Dr. M. Shadab	Member
9.	Mr. Akhlaque Ahmad Khan	Member
10.	Ms. Ambreen Siddiqui	Member
11.	Mr. FaizanArif Khan	Member
12.	Mr. Mohammad Naseem	Member
13.	Mr. Asad Hussain	Member
14.	Mr. M. Khursheed	Member

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Meeting Agenda details:

1. Discussion on all stakeholders' feedback on curriculum revision.
2. Preparation of detailed Feedback Analysis Report for all programs offered.
3. Preparation of Action Plan against suggested responses.
4. As per the feedback obtained from stakeholders, Feedbacks were reviewed and modification undertaken for the following subjects:
   - FACTS Devices & HVDC Transmission (EE611)
   - Power System Optimization (EE612)
   - Power Quality assessment (EE613)
   - Power system restructuring and deregulation (EE614)

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. Feedbacks were reviewed and modification undertaken for the following subjects
   - FACTS Devices & HVDC Transmission (EE611)
   - Power System Optimization (EE612)
   - Power Quality assessment (EE613)
   - Power system restructuring and deregulation (EE614)
5. Meeting ended with thanks to chair

M. A. Mallick

(DQAC Chairman, EED)

(HOD, EED)

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Internal Quality Assurance Cell

Department of Electrical Engineering

Feedback Analysis Report

B.Tech. Electrical 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	48	20	16	16	3.00	Excellent
2.	Rate the sequencing of the contents in the syllabi/ courses	56	16	12	16	3.06	Excellent
3.	Rate the adequacy of coverage and credit allocation in syllabi/courses	48	16	20	16	2.96	Very Good
4.	Rate the adequacy of textbooks and reference materials mentioned in syllabi	48	20	12	20	2.96	Very Good
5.	Rate the syllabi content in terms of active engagement of the students	44	16	8	32	2.72	Very Good
6.	Rate the depth of the syllabus for the course in relation to the competencies expected by industry/global scenarios	56	12	8	24	3.00	Excellent
7.	The syllabi/course will help in adding competitiveness among learners and helps in carrier progression	52	16	12	20	3.00	Excellent

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

Text Suggestions:

- Introduction, revision, and/or modification of the study and evaluation scheme to make certain elective courses as departmental core subjects, as there is a need to study them for GATE ,IES and also because there is a technological need for the same.
- Introduction of new practical courses based on industry trends.
- Organizing workshops, guest lectures and seminars related to the current trends in Electrical Engineering.
- Active interactions with alumni was requested to bring help the students for career guidance and mentorship.

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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.

- 48% of the students rated the curriculum "Excellent" with respect to professional competencies, intended outcomes, 56% of the students rated the sequencing of the contents as "excellent", 48% of the students rated 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 to be very good.
- Only 54% of the students rated "excellent" for the depth of the syllabus in relation to the competencies expected by industry/global scenarios.

Action Plan:

The analysis suggests that students' desires more focus on experimental learning. This can be improved by introducing more experiments and other experimental learning components. So, more practical experiments will be included in the syllabi for improving competencies

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	70	20	10	-	3.6	Excellent
2.	Rate the sequencing of the contents in the syllabi/ courses	20	60	10	-	2.8	Excellent
3.	Rate the adequacy of coverage and credit allocation in syllabi/courses	40	50	10	-	3.3	Excellent
4.	Rate the adequacy of textbooks and reference materials mentioned in syllabi	50	40	-	-	3.5	Excellent
5.	Rate the syllabi content in terms of active engagement of the students	50	50	-	-	3.5	Excellent
6.	Rate the depth of the syllabus for the course in relation to the competencies expected by industry/global scenarios	30	60	10	-	3.2	Excellent
7.	The syllabi/course will help in adding competitiveness among learners and helps in carrier progression	30	70	-	-	3.3	Excellent

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

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Text Suggestions:

- More diverse teaching-learning methods should be adopted to teach syllabi.
- More reference book and text books should be included in the syllabi.
- Use of institutional LMS for streamlining the teaching and learning activities.

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:

- More textbooks and reference materials is to be added in the syllabi.
- The practicality of the syllabi should be enhanced for active engagement.

Feedback by Alumni:

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

	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	80	-	-	-	3.2	Excellent
2.	Rate the sequencing of the contents in the syllabi/ courses	50	30	-	-	2.9	Very Good
3.	Rate the adequacy of coverage and credit allocation in syllabi/courses	30	30	-	-	2.1	Very Good
4.	Rate the adequacy of textbooks and reference materials mentioned in syllabi	50	30	-	-	2.9	Very Good
5.	Rate the syllabi content in terms of active engagement of the students	60	20	-	-	3.0	Excellent
6.	Rate the depth of the syllabus for the course in relation to the competencies expected by industry/global scenarios	70	10	-	-	3.1	Excellent
7.	The syllabi/course will help in adding competitiveness among learners and helps in carrier progression	80	-	-	-	3.2	Excellent

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

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Text Suggestions:

- 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.
- Strengthening of the Alumni database.

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.
- Smart Classes will enhance teaching learning process.
- Case study may be included.

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		100			3	Excellent
2.	Rate the sequencing of the contents in the syllabi/ courses	100				4	Excellent
3.	Rate the adequacy of coverage and credit allocation in syllabi/courses	100				4	Excellent
4.	Rate the adequacy of textbooks and reference materials mentioned in syllabi	100				4	Excellent
5.	Rate the syllabi content in terms of active engagement of the students		100			3	Excellent
6.	Rate the depth of the syllabus for the course in relation to the competencies expected by industry/global scenarios		100			3	Excellent
7.	The syllabi/course will help in adding competitiveness among learners and helps in carrier progression	100				4	Excellent

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

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Text Suggestions:

- 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 electrical engineering.
- Increasing number of collaborative activities between the industry and department.

Analysis of Feedback:

The Employer' responses to different parameters were recorded and analysed. Based on their feedback the syllabuses of the following subjects are revised:

- FACTS Devices & HVDC Transmission (EE611)
- Power System Optimization (EE612)
- Power Quality assessment (EE613)
- Power system restructuring and deregulation (EE614)

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.
- Expert lecture on the advance processors by industrial experts.

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Internal Quality Assurance Cell

Department of Electrical Engineering

Action Taken Report

B.Tech. Electrical 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 Electrical Engineering on 02.01.2019. The MoM of the Feedback Analysis is also attached.)

A meeting of the departmental DQAC members was held on *01.01.2019* .In this meeting the feedback analysis report submitted on *02.01.2019* 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:

- Feedbacks were reviewed and modification undertaken for the following subjects
  - FACTS Devices & HVDC Transmission (EE611)
  - Power System Optimization (EE612)
  - Power Quality assessment (EE613)
  - Power system restructuring and deregulation (EE614)

- The DQAC activity calendar was planned for the session 2019-20 where it was decided that the following activities will be organized in the department of Electrical Engineering:
  - ❖ Workshop on "Embedded System
  - ❖ Guest Lecture on "Power Plant Efficiency".
  - ❖ Following two value added courses are planned for the skill development of students:
    - Solar Energy Awareness & Skill Development (EEV -19-01)
    - Fundamentals of Electric Vehicle Technology (EEV-19-02)
    - Online Training on IOT (Home Automation using Cisco Packet Tracer) (EEV-19-03)

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.

Monauwer Alam
Name & Signature
(Head of the Department)

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