1.4.2 Feedback processes of the institution may be classified as follows: (10)

A. Feedback is collected, analyzed, action is taken and feedback is available on the website.
B. Feedback collected, analyzed and action has been taken
C. Feedback collected and analysed
D. Feedback collected
E. Feedback not collected

Response: A

( )

Dean of Academic Affairs

Feedback collection and analysis summary

A) Students

The practice of gathering student feedback has been an integral part of the university (formerly HBTI Kanpur) since approximately 2006. Over time, the method for collecting feedback has evolved, particularly after the institution's transition into a university. The responsibility for designing, implementing and analyzing the feedback system lies with the Dean (CE&IQA). The feedback process is structured through a detailed questionnaire, which students fill out to assess the quality of teaching in various courses. This initiative is aimed at enhancing the overall teaching and learning environment. The questionnaire consists of 25 key attributes, allowing students to provide ratings on various aspects of the course delivery. The feedback format used by the university is presented in Annexure 1. As seen from the format, it is evident that it has 25 items/attributes which are to be rated on a scale of 1 to 5 **where 5-Excellent; 4-very good; 3- good; 2-average; 1 –poor. In addition to these 25 attributes, the questionnaire also has four questions in the narrative where the student has to suggest/write about the course teaching. Since this feedback is about the "Design and Review of Syllabus" only, the following two questions were focused.**
These are:
i) What do you like best about this course?
ii) What would you like to change about this course?

The purpose of the questionnaire is to assess student satisfaction at the end of the course, providing valuable insights for potential improvements. To ensure the feedback reflects genuine opinions, only students with an attendance rate exceeding 75% are invited to complete the survey. The feedback process is designed to create a comfortable environment for students, encouraging them to offer honest ratings and comments without any reluctance. This approach helps identify areas where teaching methods or course content may need refinement. Once the feedback is collected, the analysis is carried out by the Dean (CE&IQA), who reviews the responses in detail. The findings are then shared with the relevant Head of Department, allowing them to take any necessary corrective actions to enhance future courses.

B) Feedback Analysis process

Majorly two types of analysis are carried out namely qualitative and quantitative.

Qualitative Analysis

This process involves carefully reviewing the ratings provided by students for 25 different attributes or items related to a specific course taught by a teacher. The ratings are categorized into five levels: poor, average, good, very good, and excellent, reflecting students' overall satisfaction and assessment of the course. Once these ratings are gathered, they are shared with the Head of the relevant department for further review and any required actions or

improvements. Along with the numerical ratings, any specific suggestions or comments given by students are also considered in the analysis, providing additional valuable feedback for refining teaching methods or course content.

Quantitative Analysis

For each of the 25 attributes/items, the average rating provided by all students or respondents is calculated. After obtaining the average for each attribute, an overall average is determined for the entire class. This overall average rating reflects the collective feedback for all attributes related to that specific course and teacher. The results from the calculations, along with qualitative analysis, are shared with the relevant Head of Department, who is requested to communicate the findings to the concerned teachers. The feedback is presented in a way that ensures no teacher feels offended, encouraging them to view the feedback and suggestions positively and constructively. No punitive measures are taken against any teacher based on negative feedback, allowing teachers to incorporate the suggestions into future semesters for improvement.

C) Alumni

Feedback is gathered from alumni through a structured questionnaire, aimed at obtaining their overall evaluation of the program. This feedback is crucial for strengthening the quality of the teaching and learning environment by identifying areas of improvement. The questionnaire includes 15 specific attributes, with alumni asked to rate various aspects related to the syllabus of a particular course they experienced. These attributes provide a comprehensive assessment of how well the curriculum meets its objectives from the alumni's perspective. The information collected helps in making informed decisions for future curriculum improvements and teaching strategies. The feedback format used by the university is detailed in Annexure 2, which outlines the specific structure and attributes included in the survey. As seen from the format, it is evident that it has 15 items/attributes which are to be rated on a scale of 1 to 5 **where 5-Excellent; 4-very good; 3-good; 2-average; 1 –poor. In addition to these 25 attributes, the questionnaire also has four questions in the narrative where the alumni has to suggest/write about the syllabus. Since this feedback is about the "Design and Review of Syllabus" only, the following two questions were focused.**

These are:

(i) In your opinion, what are we doing well and in what areas do we need to improve?

(ii) Any additional feedback that you would like to offer?

D) Employer

Feedback is collected from employers through a questionnaire designed to gather their overall perspective on the program, aiming to enhance the quality of the teaching and learning environment. The questionnaire includes 13 specific attributes, and employers are asked to rate the program based on these criteria. This feedback provides valuable insights into how well the program aligns with industry expectations and helps identify areas for improvement. The feedback format used by the university is provided in Annexure 2, which outlines the structure and attributes of the survey. As seen from the format, it is evident that it has 15 items/attributes which are to be rated on a scale of 1 to 5 **where 5-Excellent; 4-very good; 3-good; 2-average; 1 –poor. In addition to these 25 attributes, the questionnaire also has four questions in the narrative where the Employer has to suggest/write about the course teaching. Since this feedback is about the "Design and Review of Syllabus" only, the following two questions were focused.**

These are:

In your opinion, what are we doing well and in what areas do we need to improve? Is there any additional feedback that you would like to offer?

E) Teachers

Feedback is collected from teachers through a questionnaire designed to gather their views on a course they have taught, with the goal of improving the quality of the teaching and learning environment. The questionnaire includes 15 attributes, and teachers are asked to rate the course structure and syllabus of a specific course. This feedback helps in assessing the effectiveness of the course design and content. The feedback format used by the university is detailed in Annexure 2, which outlines the specific attributes included in the survey. As seen from the format, it is evident that it has 15 items/attributes which are to be rated on a scale of 1 to 5 **where 5-Excellent; 4-very good; 3-good; 2-average; 1 –poor. In addition to these 25 attributes, the questionnaire also has four questions in the narrative where the teacher has to suggest/write about the course teaching. Since this feedback is about the "Design and Review of Syllabus" only, the following two questions were focused.**

These are:

In your opinion, what areas do we need to add into the curriculum to improve? What Would you like to change the course structure?

Any additional feedback that you would like to offer?

Feedback Analysis Department of Biochemical Engineering for Design and Review of Syllabus (2023-2024)

- **Based on the feedback, the specific observations for B. Tech. Chemical Technology (Biochemical Engineering) in Academic Year 2023-24 are as mentioned below:**
  a) The university will add new courses to the curriculum in line with emerging technologies.
  b) An increase in focus on Project based learning.
  c) Course syllabus upgradation.
  d) Increase in flexibility in the selection of electives by adding more options to meet the changing needs of the industry.

- **Based on the feedback, the specific observations for M. Tech. Chemical Technology (Biochemical Engineering) in Academic Year 2023-24 are as mentioned below:**
  a) The evaluation scheme should be continuous in nature.
  b) The flexibility in the selection of electives should be increased by increasing the number of electives according to the changing need of the industry.
  c) Curriculum must include electives as per the needs of Industry.

Faculty Feedback analysis:

Sr. No.	Name of Faculty	Final Average Feedback
1.	Dr Lalit Kumar Singh	4.9
2.	Mr Brajesh Singh	4.8
3.	Dr Rajkamal Kushwaha	4.7
4.	Dr Shravan Kumar	4.5
5.	Mrs Roma Agrahari	4.6
6.	Mr. Mohit Kumar Yadav	4.4

Course Structure of 2nd Year B.Tech., before 2023-24

Year II, Semester-III

Sl. No.	Course Type	Course Title	Subject Code	Credits	Periods			Sessional Marks				ESE	Total Marks
					L	T	P	MSE	TA	Lab	Total		
1	BSC	Mathematics III	BMA 201	4	3	1	0	30	20	-	50	50	100
2	ESC	Materials & Energy Balance	TCH 201	5	3	2	0	30	20	-	50	50	100
3	PCC	Fluid Flow & Unit operation	TCH 203	5	3	1	3	15	20	15	50	50	100
4	PCC	Microbiology	TBE 201	5	3	0	6	15	20	15	50	50	100
5	HSMC	Organisational Behaviour	HHS 203	3	3	0	0	30	20	-	50	50	100
6	MC (Non-Credit)	Cyber Security (Audit course)	ECS 205	0	2	0	0	30	20		50	50	100
	Total Credits 22												**600***

Year II, Semester-IV

Sl. No.	Course Type	Course Title	Subject Code	Credits	Periods			Sessional Marks				ESE	Total Marks
					L	T	P	MSE	TA	Lab	Total		
1	BSC	Modern Analytical Techniques	BCY 202	4	3	0	3	15	20	15	50	50	100
2	BSC	Computer Oriented Numerical Methods	BMA 206	5	3	1	3	15	20	15	50	50	100
3	ESC	Heat Transfer Operations	TCH 202	3	3	0	0	30	20	-	50	50	100
4	PCC	Chemical Engineering Thermodynamics	TCH 204	3	3	0	0	30	20	-	50	50	100
5	PCC	Biochemistry	TBE-202	4	3	0	3	15	20	15	50	50	100
6	HSMC	Engg Economics & Management	HHS 202	3	3	0	0	30	20	-	50	50	100
7	MC (Non-Credit)	Indian Constitution (Audit course)	HHS 206	0	2	0	0	30	20		50	50	100
	Total Credits 22												**700***

Course Structure of 2nd Year B.Tech., from 2023-24

S .No	Course Type	Course Title	Subject Code	Credits	Periods			Sessional Marks						ESE	Total Marks
								MSE				TA*	TOTAL		
					L	T	P	Theory		Lab					
1	BSC	Engineering Mathematics-II	NMA-201	4	3	1	0	15	15	-	-	20	50	50	100
2	ESC	Fluid Mechanics and Mechanical Operations	NCT-201	4	3	0	2	15	-	15	-	20	50	50	100
3	PCC	Fundamental of Life Processes	NBE-201	4	3	1	0	15	15	-	-	20	50	50	100
4	PCC	Industrial Microbiology	NBE-203	4	3	1	0	15	15	-	-	20	50	50	100
5	PCC	Chemical Process Calculations	NCT-203	3	3	0	0	15	15	-	-	20	50	50	100
6	HSMC	Economics & Management	NHS-201/202	3	3	0	0	15	15	-	-	20	50	50	100
7	PCC	Microbial Techniques Lab	NBE-207	2	0	0	4	-	-	15	15	20	50	50	100
	Total Credits:24														**700**

Year-II, Semester-IV

S. No	Course Type	Course Title	Subject Code	Credits	Periods			Sessional Marks						ESE	Total Marks
								MSE				TA*	TOTAL		
					L	T	P	Theory		Lab					
1	BSC	Modern Analytical Techniques	NCY-202	4	3	1	0	15	15	-	-	20	50	50	100
2	ESC	Computer Oriented Numerical Methods	NMA-204	4	3	0	2	15	-	15	-	20	50	50	100
3	PCC	Biochemistry	NBE-202	4	3	1	0	15	15	-	-	20	50	50	100
4	PCC	Chemical Engineering Thermodynamics	NCT-204	4	3	1	0	15	15	-	-	20	50	50	100
5	PCC	Heat Transfer Operations	NCT-202	3	2	1	0	15	15	-	-	20	50	50	100
6	PCC	Environmental Biotechnology	NBE-204	3	3	0	0	15	15	-	-	20	50	50	100
7	PCC	Biochemical Analysis Lab.	NBE-206	2	0	0	4	-	-	15	15	20	50	50	100
	Total Credits: 24														**700**

Feedback Analysis Department of Oil Technology for Design and Review of Syllabus (2023-2024)

Based on the feedbacks, the observations are given below:

A) Action Taken

Course Structure of 2nd Year B.Tech., before 2023-24

Semester-III

Sl. No.	Course Type	Course Title	Subject Code	Credits	Periods			Sessional Marks				ESE	Total Marks
					L	T	P	CT	TA	Lab	Total		
1.	BSC	Mathematics III	BMA	4	3	1	0	30	20	-	50	50	100
2.	PCC	Chemistry of Oil & Allied Products	TOT 251	4	3	1	0	30	20	-	50	50	100
3.	PCC	Chemistry of Oil & Allied Products Lab	TOT 253	2	0	0	4	-	20	30	50	50	100
4.	ESC	Fluid Mechanics and Mechanical operation	TOT 255	5	3	1	2	15	20	15	50	50	100
5.	PCC	Materials & Energy Balance	TOT 257	4	3	1	0	30	20	-	50	50	100
6.	HSMC	Organizational Behaviour	HHS	3	3	0	0	30	20	-	50	50	100
7.	MC (Non Credit)	Cyber Security	ECS	0	2	0	0	30	20	-	50	50	100
	Total Credits 22												**600**

Semester-IV

Sl. No.	Course Type	Course Title	Subject Code	Credits	Periods			Sessional Marks				ESE	Total Marks
					L	T	P	CT	TA	Lab	Total		
1	BSC	Modern Analytical Techniques	BCY	4	3	0	2	15	20	15	50	50	100
2	BSC	Computer Oriented Numerical Methods	BMA	4	2	1	2	15	20	15	50	50	100
3	PCC	Source, Composition, Characterization of Oils Fats & Waxes	TOT 252	5	3	1	2	15	20	15	50	50	100
4	ESC	Heat Transfer Operations	TOT 254	3	2	1	0	30	20	-	50	50	100
5	PCC	Chemical Engineering Thermodynamics	TOT 256	3	2	1	0	30	20	-	50	50	100
6	HSMC	Engg Economics & Management	HHS	3	3	0	0	30	20	-	50	50	100
7	MC (Non Credit)	Indian Constitution	HHS	0	2	0	0	30	20	-	50	50	100
	Total Credits 22												**600**

Course Structure of 2nd Year B.Tech., from 2023-24

Year- II, Semester-III

Sl. No.	Course Type	Subject Code	Course Title	Credits	Periods			Sessional Marks				ESE	Total Marks
					L	T	P	MSE	TA	Lab.	Total		
1	BSC	NMA-201	Engineering Mathematics-II	4	3	1	0	30	20	-	50	50	100
2	ESC	NCT-201	Fluid Mechanics and Mechanical Operations	4	3	0	2	15	20	15	50	50	100
3	PCC	NCT-203	Chemical Process Calculations	3	3	0	0	30	20	-	50	50	100
4	HSMC	NHS-201	Economics & Management	3	3	0	0	30	20	-	50	50	100
5	PCC	NOT-201	Chemistry of Oil & Allied Products	4	3	1	0	30	20	-	50	50	100
6	PCC	NOT-203	Source Composition Characterization of Oils, Fats & Waxes	4	3	1	0	30	20	-	50	50	100
7	PCC	NOT-205	Oil & Oilseed Analysis Lab	2	0	0	4	-	20	30	50	50	100
Total Credits				24									700

Year- II, **Semester-IV**

Sl. No.	Course Type	Subject Code	Course Title	Credits	Periods			Sessional Marks				ESE	Total Marks
					L	T	P	MSE	TA	Lab.	Total		
1	BSC	NCY 202	Modern Analytical Techniques	4	3	1	0	30	20	-	50	50	100
2	ESC	NMA 204	Computer Oriented Numerical Methods	4	3	0	2	15	20	15	50	50	100
	PCC	NCT 202	Heat Transfer Operation	3	3	0	0	30	20	-	50	50	100
	PCC	NCT 204	Chemical Engineering Thermodynamics	4	3	1	0	30	20	-	50	50	100
3	PCC	NOT 202	Expression & Extraction Technique of Oil Bearing Materials	4	3	1	0	30	20	-	50	50	100
6	PCC	NOT 204	Essential Oil and Cosmetics	3	3	0	0	-	20	30	50	50	100
7	PCC	NOT 206	Oil Characterization Lab	2	0	0	4	30	20	-	50	50	100
Total Credits				24									700

Feedback Analysis Department of Mechanical Engineering for Design and Review of Syllabus (2023-2024)

- **Based on the feedback, the specific observations for B. Tech. Mechanical Engineering in Academic Year 2023-24 are as mentioned below:**

  a) The university will add new courses to the curriculum in line with emerging technologies.
  a. An increase in focus on Project based learning.
  b. Course syllabus upgradation.
  c. Increase in flexibility in the selection of electives by adding more options to meet the changing needs of the industry.

- **Based on the feedback, the specific observations for M. Tech. Mechanical Engineering in Academic Year 2023-24 are as mentioned below:**

  a) The evaluation scheme should be continuous in nature.
  b) The flexibility in the selection of electives should be increased by increasing the number of electives according to the changing need of the industry.
  c) Curriculum must include electives as per the needs of Industry.

Faculty Feedback analysis:

Sr. No.	Name of Faculty	Final Average Feedback
1.	Dr S.K. Singhal	4.6
2.	Dr Anand Kumar	4.7
3.	Dr Vinay Pratap Singh	4.8
4.	Dr Jitendra Bhaskar	4.4
5.	Dr. S.K.S. Yadav	4.5
6.	Sri R.K. Ambikesh	4.5

Course Structure of 2nd Year B.Tech., before 2023-24

SEMESTER III

Sr. No.	Course Type	Subject Code	Course Title	Credits (L-T-P)	Sessional Marks				ESM	Total Mark
					MSE	TA	Lab	Total		
1.	BSC	BMA 251	Maths-III	4(3-1-0)	30		-	50	50	100
2.	ESC	EME 251	Strength of Material	5(3-1-2)	15	20	15	50	50	100
3.	PCC	EME 253	Material Science	4(3-0-2)	15	20	15	50	50	100
4.	PCC	EME 255	Engineering Thermodynamics	4(3-1-0)	30	20	-	50	50	100
5.	PCC	EME 257	Machine Drawing	2(0-0-4)	-	20	30	50	50	100
6.	HSMC	HHS 251	Engg. Economics & Management	3(3-0-0)	30	20	-	50	50	100
7.	MC (Non- credit)	HHS 255	Indian Constitution	0(2-0-0)	30	20	-	50	50	100
Total Credits				**22**						

SEMESTER IV

Sr. No.	Course Type	Subject Code	Course Title	Credits (L-T-P)	Sessional Marks				ESM	Total
					MSE	TA	Lab	Total		
1.	BSC	BMA 256	CONM	4(3-1-0)	30	20	-	50	50	100
2.	ESC	ECE 252	Engineering Fluid Mechanics	5(3-1-2)	15	20	15	50	50	100
3.	PCC	EME 256	Applied Thermodynamics	3(3-0-0)	30	20	-	50	50	100
4.	PCC	EME 254	Manufacturing Science-I	4(3-0-2)	15	20	15	50	50	100
5.	PCC	EME 258	Kinematics of Machine	3(3-0-0)	30	20	-	50	50	100
6.	HSMC	HHS 254	Organizational Behavior	3(3-0-0)	30	20	-	50	50	100
7.	MC (Non-credit)	ECS 260	Cyber Security	0(2-0-0)	30	20	-	50	50	100
Total Credits				**22**						

Course Structure of 2nd Year B.Tech., from 2023-24

III SEMESTER

Sr. No.	Course Type	Subject Code	Course Title	Credits (L-T-P)	Sessional Marks				ESM	Total Marks
					MSE	TA	Lab	Total		
1.	BSC	NMA201	Maths II	4 (3-1-0)	30	20	-	50	50	100
2.	ESC	NME201	Strength of Material	4 (2-1-2)	15	20	15	50	50	100
3.	PCC	NME203	Material Science	4 (3-0-2)	15	20	15	50	50	100
4.	PCC	NME205	Engg. Thermodynamics	4 (3-0-2)	15	20	15	50	50	100
5	PCC	NME207	Kinematics of Machine	3 (3-0-0)	30	20	-	50	50	100
6.	PCC	NME209	Mechanical Measurement	3 (2-0-2)	15	20	15	50	50	100
7.	PCC	NME211	Machine Drawing	2 (0-0-4)	-	20	30	50	50	100
Total Credits				**24**						

IV SEMESTER

Sr. No.	Course Type	Subject Code	Course Title	Credits (L-T-P)	Sessional Marks				ESM	Total Marks
					MSE	TA	Lab	Total		
1.	BSC	NMA202	Maths III	4 (3-1-0)	30	20	-	50	50	100
2.	ESC	NME202	Fluid Mechanics	4 (3-0-2)	15	20	15	50	50	100
3.	PCC	NME204	Manufacturing Science I	4 (3-0-2)	15	20	15	50	50	100
4.	PCC	NME206	Heat & Mass Transfer	4 (3-0-2)	15	20	15	50	50	100
5.	PCC	NME208	Dynamics of Machine	3 (2-0-2)	15	20	15	50	50	100
6.	HSMC	NHS202	Economics & Management	3 (3-0-0)	30	20	-	50	50	100
7.	PCC	NME210	Engg. Materials	2 (2-0-0)	30	20	-	50	50	100
Total Credits				**24**						

Feedback Analysis Department of Chemical Engineering for Design and Review of Syllabus (2023-2024)

- **Based on the feedback, the specific observations for B. Tech. Chemical Engineering in Academic Year 2023-24 are as mentioned below:**

  a) The university will add new courses to the curriculum in line with emerging technologies.
  d. An increase in focus on Project based learning.
  e. Course syllabus upgradation.
  f. Increase in flexibility in the selection of electives by adding more options to meet the changing needs of the industry.

- **Based on the feedback, the specific observations for M. Tech. Chemical Engineering in Academic Year 2023-24 are as mentioned below:**

  d) The evaluation scheme should be continuous in nature.
  e) The flexibility in the selection of electives should be increased by increasing the number of electives according to the changing need of the industry.
  f) Curriculum must include electives as per the needs of Industry.

Faculty Feedback analysis:

Sr. No.	Name of Faculty	Final Average Feedback
1.	Dr. G.L Devnani	4.7
2.	Dr. S.K Gupta	4.7
3.	Dr. Rajesh Katiyar	4.5
4.	Dr. Ashwini Sood	4.4
5.	Dr. A.K. Rathore	4.5
6.	Dr. Jitendra Kumar	4.4

Course Structure of 2nd Year B.Tech., before 2023-24

Year III, Semester-V

Sl. No.	Course Type	Subject Code	Course Title	Credits	Sessional Marks				ESM	Total marks
				(L-T-P)	MSE	TA	Lab.	Total		
1	PCC	TCH 351	Computer Aided Equipment Design	4 [2-1-2]	15	20	15	50	50	100
2	PCC	TCH 353	Chemical Reaction Engineering I	4 [2-1-2]	15	20	15	50	50	100
3	PCC	TCH 355	Mass Transfer Operations II	5 [3-1-2]	15	20	15	50	50	100
4	PCC	TCH 357	Chemical Engineering Thermodynamics II	3 [2-1-0]	30	20	-	50	50	100
5	PCC	TCH 359	Chemical Technology	3 [3-1-0]	30	20	-	50	50	100
6	OEC (Humanities)	HHS351	Entrepreneurship Development	3[3-0-0]	30	20	-	50	50	100
Total Credits				**22**						

Year III, Semester-VI

Sl. No.	Course Type	Subject Code	Course Title	Credits	Sessional Marks				ESM	Total marks
				(L-T-P)	MSE	TA	Lab.	Total		
1	PCC	TCH 352	Chemical Reaction Engineering II	4 [3-1-0]	30	20	-	50	50	100
2	PCC	TCH 354	Process Control & Instrumentation	4 [3-1-2]	15	20	15	50	50	100
3	PCC	TCH 356	Plant Design and Economics	3 [2-1-0]	30	20	-	50	50	100
4	PCC	TCH 358	Transport Phenomena	3 [2-1-0]	30	20	-	50	50	100
5	PCC	TCH 360	Plant Safety and Environmental Aspects	3 [2-1-0]	30	20	-	50	50	100
6	PCC	TCH 362	Material Science & Engineering	2[3-0-0]	30	20	-	50	50	100
7	OEC (Maths)	BMA352	Operation Research	3[3-0-0]	30	20	-	50	50	100
Total Credits				**22**						

Course Structure of 2nd Year B.Tech., from 2023-24

Year II, Semester-III

S. No.	Course Type	Subject Title	Course Code	Credits	Period			Sessional Marks				ESE	Total Marks
					L	T	P	MSE	TA	Lab	Total		
1	BSC	Engg. Math-II	NMA 201	4	3	1	0	30	20	-	50	50	100
2	ESC	Chemical Engineering Fluid Mechanics	NCH 201	5	3	1	2	15	20	15	50	50	100
3	PCC	Particle and Fluid Particle processing	NCH 203	4	2	1	2	15	20	15	50	50	100
4	PCC	Chemical Engineering Thermodynamics -1	NCH 205	4	3	1	0	30	20	-	50	50	100
5	PCC	Chemical Process Calculation	NCH 207	4	3	1	0	30	20	-	50	50	100
6	HSMC	Industrial Economics & Management	NHS 201	3	3	0	0	30	20	-	50	50	100
Total Credits: 24													**600**

Year II, Semester-IV

S. No.	Course Type	Subject Title	Course Code	Credits	Period			Sessional Marks				ESE	Total Marks
					L	T	P	MSE	TA	Lab	Total		
1	BSC	Modern Analytical Techniques	NCY	4	3	1	0	30	20	-	50	50	100
2	ESC	Computer Oriented Numerical Methods	NMA	4	3	0	2	15	20	15	50	50	100
3	PCC	Process Heat Transfer	NCH 202	5	3	1	2	15	20	15	50	50	100
4	PCC	Mass Transfer Operations -I	NCH 204	4	2	1	2	15	20	15	50	50	100
5	PCC	Chemical Engineering Thermodynamics -II	NCH 206	3	2	1	0	30	20	-	50	50	100
6	PCC	Chemical Reaction Engineering -I	NCH 208	4	2	1	2	15	20	15	50	50	100
Total Credits: 24													**600**

Feedback Analysis Department of Computer Science and Engineering for Design and Review of Syllabus (2023-2024)

- **Based on the feedback, the specific observations for B. Tech. Computer Science and Engineering in Academic Year 2023-24 are as mentioned below:**

  a) The university will add new courses to the curriculum in line with emerging technologies.
  b) An increase in focus on Project based learning.
  c) Course syllabus upgradation.
  d) Increase in flexibility in the selection of electives by adding more options to meet the changing needs of the industry.

- **Based on the feedback, the specific observations for M. Tech. Computer Science and Engineering in Academic Year 2023-24 are as mentioned below:**

  a) The evaluation scheme should be continuous in nature.
  b) The flexibility in the selection of electives should be increased by increasing the number of electives according to the changing need of the industry.
  c) Curriculum must include electives as per the needs of Industry.

Faculty Feedback analysis:

Sr. No.	Name of Faculty	Final Average Feedback
1.	Dr. Raghuraj Singh	4.8
2.	Dr. Anita Yadav	4.7
3.	Dr. N. Kohli	4.4
4.	Dr. Prabhat Verma	4.4
5.	Dr. V.D. Kaushik	4.8
6.	Dr. Rashi Agarwal	4.5

Course Structure of 2nd Year B.Tech., before 2023-24

Semester-III

Sr. No.	Course Type	Course Code	Course Name	Credits	Details of Sessional Marks				ESM	Total Marks
	*Non-Credit course				CT	TA	Lab	Total		
1	BSC	BMA-253	Computer Oriented Numerical & Statistical Techniques	4 (3-1-0)	30	20	-	50	50	100
2	ESC	EET-253	Digital Electronics	5 (3-1-2)	15	20	15	50	50	100
3	PCC	ECS-251	Data Structure using C	4(3-0-2)	15	20	15	50	50	100
4	PCC	ECS-253	Python Programming	4 (2-1-2)	15	20	15	50	50	100
5	PCC	ECS-255	Computer Organization & Architecture	2 (2-0-0)	30	20	-	50	50	100
6	HSMC	HHS-251	Engineering Economics & Management	3 (3-0-0)	30	20	-	50	50	100
7	MC	HHS-255	Indian Constitution	0 (2-0-0)	30	20	-	50	50	100*
Total Credits				22						600

Semester-IV

Sr. No.	Course Type	Course Code	Course Name	Credits	Details of Sessional Marks				ESM	Total Marks
					CT	TA	Lab	Total		
1	BSC	BMA-254	Discrete Mathematical Structures	4 (3-1-0)	30	20	-	50	50	100
2	ESC	ECS-252	Software Engineering	5 (3-1-2)	15	20	15	50	50	100
3	PCC	ECS-254	Principles of Programming Languages	3 (2-1-0)	30	20	-	50	50	100
4	PCC	EIT-252	Web Technology	4 (2-1-2)	15	20	15	50	50	100
5	PCC	ECS-256	Operating Systems	3 (2-1-0)	30	20	-	50	50	100
6	HSMC	HHS-254	Organisational Behaviour	3 (3-0-0)	30	20	-	50	50	100
7	MC	ECS-260	Cyber Security	0 (2-0-0)	30	20	-	50	50	100*
	Total Credits			22						600

Course Structure of 2nd Year B.Tech., from 2023-24

III Semester

Sl no.	Course Type	Subject Code	Course Title	Credits (L-T-P)	Sessional Marks				ESE	Total Marks
					MSE	TA	Lab	Total		
1	BSC		Engineering Mathematics-II	4 (3-0-2)	15	20	15	50	50	100
2	ESC		Digital Electronics	4 (3-0-2)	15	20	15	50	50	100
3	PCC		Data Structure using C	5(3-1-2)	15	20	15	50	50	100
4	PCC		Python Programming	4(2-1-2)	15	20	15	50	50	100
5	PCC		Computer Organization	3(2-1-0)	30	20	-	50	50	100
6	PCC		Introduction to Emerging Technologies in ICT	4(3-1-0)	30	20	-	50	50	100
Total Credits				24						600

IV Semester

Sl no.	Course Type	Subject Code	Course Title	Credits (L-T-P)	Sessional Marks				ESE	Total Marks
					MSE	TA	Lab	Total		
1	BSC		Engineering Mathematics-III	4(3-1-0)	**30**	**20**	-	**50**	**50**	**100**
2	ESC		Web Technology	4(3-0-2)	15	20	15	50	50	100
3	PCC		Principals of Programming Languages	4(3-1-0)	30	20	-	50	50	100
4	PCC		Software Engineering	5(3-1-2)	15	20	15	50	50	100
5	PCC		Operating System	4(3-1-0)	30	20	-	50	50	100
6	HSMC		Engineering Economics & Management	3(2-1-0)	30	20	-	50	50	100
Total Credits				24						600

Feedback Analysis Department of Electrical Engineering for Design and Review of Syllabus (2023-2024)

- **Based on the feedback, the specific observations for B. Tech. Electrical Engineering in Academic Year 2023-24 are as mentioned below:**

  a) The university will add new courses to the curriculum in line with emerging technologies.
  b) An increase in focus on Project based learning.
  c) Course syllabus upgradation.
  d) Increase in flexibility in the selection of electives by adding more options to meet the changing needs of the industry.

- **Based on the feedback, the specific observations for M. Tech. Electrical Engineering in Academic Year 2023-24 are as mentioned below:**

  a) The evaluation scheme should be continuous in nature.
  b) The flexibility in the selection of electives should be increased by increasing the number of electives according to the changing need of the industry.
  c) Curriculum must include electives as per the needs of Industry.

Faculty Feedback analysis:

Sr. No.	Name of Faculty	Final Average Feedback
1.	Dr. Yaduvir Singh	4.6
2.	Dr. Sanjeev Kumar	4.7
3.	Dr. C.N. Singh	4.5
4.	Mr. J.K. Dwivedi	4.4
5.	Mr. Jameel Ahmed	4.2
6.	Dr. C.B. Vishwakarma	4.1

Course Structure of 2nd Year B.Tech., before 2023-24

IV Semester

Sr. No.	Course Type	Subject Code	Course Title	Credits (LTP)	Sessional Marks				ESE	Total
					MSE	TA	Lab.	Total		
1.	BSC	BMA-256	Computer Oriented Numerical Methods	4 (3-1-0)	30	20	-	50	50	100
2.	PCC	EEE-252	Electrical Machines-I	5 (3-1-2)	15	20	15	50	50	100
3.	PCC	EEE-254	Electrical Circuit Analysis	3 (2-1-0)	30	20	-	50	50	100
4.	PCC	EEE-256	Electrical Measurement and Measuring Instruments	4 (2-1-2)	15	20	15	50	50	100
5.	PCC	EEE-258	Bio-medical Instrumentation	3 (2-1-0)	30	20	-	50	50	100
6.	HSMC	HHS-254	Organizational Behavior	3 (3-0-0)	30	20	-	50	50	100
7.	MC (Non-credit)	ECS-260	Cyber Security	2 (2-0-0)	30	20	-	50	50	100
Total Credits				**22**						

III Semester

Sr. No.	Course Type	Subject Code	Course Title	Credits (LTP)	Sessional Marks				ESE	Total
					MSE	TA	LAB	Total		
1.	BSC	BMA-251	Mathematics- III	4(3-1-0)	30	20	-	50	50	100
2.	PCC	EEE-251	Basic System Analysis	4(3-0-2)	15	20	15	50	50	100
3.	PCC	EEE-253	Introduction to Digital Systems	4(2-1-2)	15	20	15	50	50	100
4.	PCC	EEE-255	Introduction to Electrical Engineering Materials	2(2-0-0)	30	20	-	50	50	100
5.	ESC	EET-257	Solid State Devices & Circuits	5(3-1-2)	15	20	15	50	50	100
6.	HSMC	HHS-251	Engineering Economics and Management	3(3-0-0)	30	20	-	50	50	100
7.	MC (Non-credit)	HHS-255	Indian Constitution	2(2-0-0)	30	20	-	50	50	100
Total Credits					**22**					

Course Structure of 2nd Year B.Tech., from 2023-24

Year II Semester III

S. No	Course Type	Course Title	Subject Code*	Credits	Periods			Sessional marks				ESE	Total marks
					L	T	P	MSE	TA	Lab	Total		
1.	BSC	Engineering Mathematics -II		4	3	1	0	30	20	-	50	50	100
2.	ESC	Solid State Devices & Circuits		4	3	0	2	15	20	15	50	50	100
3.	PCC	Electrical Machines -I	NEE-201	5	3	1	2	15	20	15	50	50	100
4.	PCC	Basic system Analysis	NEE-203	4	3	0	2	15	20	15	50	50	100
5.	PCC	Electrical measurement and measuring instruments	NEE-205	3	3	0	0	30	20	-	50	50	100
6.	PCC	Electromagnetic field theory	NEE-207	4	3	1	0	30	20	-	50	50	100
	Total Credits: 24												600

Year II Semester IV

S.No	Course Type	Course Title	Subject Code*	Credits	Periods			Sessional marks				ESE	Total marks
					L	T	P	MSE	TA	Lab	Total		
1.	BSC	Engineering Mathematics - III		4	3	1	0	30	20	-	50	50	100
2.	ESC	Digital Electronics		4	3	0	2	15	20	15	50	50	100
3.	PCC	Electrical Machines -II	NEE-202	5	3	1	2	15	20	15	50	50	100
4.	PCC	Electrical Circuit analysis	NEE-204	5	3	1	2	15	20	15	50	50	100
5.	PCC	Electrical Engineering Materials	NEE-206	3	3	0	0	30	20	-	50	50	100
6.	HSMC	Engineering Economics & Management		3	3	0	0	30	20	-	50	50	100
	Total Credits: 24												600

Feedback Analysis Department of Electronics Engineering for Design and Review of Syllabus (2023-2024)

- **Based on the feedback, the specific observations for B. Tech. Electronics Engineering in Academic Year 2023-24 are as mentioned below:**

  e) The university will add new courses to the curriculum in line with emerging technologies.
  f) An increase in focus on Project based learning.
  g) Course syllabus upgradation.
  h) Increase in flexibility in the selection of electives by adding more options to meet the changing needs of the industry.

- **Based on the feedback, the specific observations for M. Tech. Electronics Engineering in Academic Year 2023-24 are as mentioned below:**

  d) The evaluation scheme should be continuous in nature.
  e) The flexibility in the selection of electives should be increased by increasing the number of electives according to the changing need of the industry.
  f) Curriculum must include electives as per the needs of Industry.

Faculty Feedback analysis:

Sr. No.	Name of Faculty	Final Average Feedback
1.	Dr. Krishna Raj	4.5
2.	Dr. A.K. Shankhwar	4.7
3.	Dr. Ashutosh	4.5
4.	Dr. Archana Singh	4.4

Feedback Analysis Department of Plastic Engineering for Design and Review of Syllabus (2023-2024)

- **Based on the feedback, the specific observations for B. Tech. Chemical Technology (Plastic Engineering) in Academic Year 2023-24 are as mentioned below:**
  e) The university will add new courses to the curriculum in line with emerging technologies.
  f) An increase in focus on Project based learning.
  g) Course syllabus upgradation.
  h) Increase in flexibility in the selection of electives by adding more options to meet the changing needs of the industry.

- **Based on the feedback, the specific observations for M. Tech. Chemical Technology (Plastic Engineering) in Academic Year 2023-24 are as mentioned below:**
  d) The evaluation scheme should be continuous in nature.
  e) The flexibility in the selection of electives should be increased by increasing the number of electives according to the changing need of the industry.
  f) Curriculum must include electives as per the needs of Industry.

Faculty Feedback analysis:

Sr. No.	Name of Faculty	Final Average Feedback
1.	Dr. Indira Nigam	4.9
2.	Dr. Deepak Srivastava	4.8
3.	Dr. Reena Singhal	4.3