



# **KONERU LAKSHMAIAH EDUCATION FOUNDATION**

(Deemed to be University Estd. U/S 3 of the UGC Act 1956)

Vaddeswaram, Guntur, Andhra Pradesh, India – 522 302

## **STAKEHOLDERS FEEDBACK ANALYSIS REPORT 2023-24**



# Koneru Lakshmaiah Education Foundation

(Category -1, Deemed to be University estd. u/s. 3 of the UGC Act, 1956)

Accredited by **NAAC** as 'A++' ♦ Approved by **AICTE** ♦ ISO 21001:2018 Certified

**Campus:** Green Fields, Vaddeswaram - 522 302, Guntur District, Andhra Pradesh, INDIA.

Phone No. +91 8645 - 350 200; [www.klef.ac.in](http://www.klef.ac.in); [www.klef.edu.in](http://www.klef.edu.in); [www.kluniversity.in](http://www.kluniversity.in)

**Admin Off:** 29-36-38, Museum Road, Governorpet, Vijayawada - 520 002. Ph: +91 - 866 - 3500122, 2576129

## Department of Biotechnology

### Feedback Analysis Report

**A.Y. 2023-24**

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Department of 2023-2024

Koneru Lakshmaiah Education Foundation

(K L Deemed to be University)

Student Feedback on Curriculum Analysis Report

Academic Year: 2023-2024

Semester - ODD

PART - A

Q.No.	Excellent	Very Good	Good	Fair	Poor	Total
1	169	30	41	0	0	240
2	178	28	34	0	0	240
3	185	20	35	0	0	240
4	200	8	22	0	0	230
5	197	11	22	0	0	230
6	189	15	36	0	0	240
7	210	2	28	0	0	240
8	205	7	28	0	0	240
9	199	20	31	0	0	240
10	205	5	30	0	0	240
11	209	2	29	0	0	240
12	209	3	28	0	0	240
13	211	2	27	0	0	240
14	214	1	25	0	0	240
15	215	0	25	0	0	240
16	189	11	40	0	0	240
17	205	10	25	0	0	240
18	215	0	25	0	0	240
19	215	0	25	0	0	240
20	200	7	33	0	0	240
AVERAGE	200.45	9.1	29.45	0	0	240

Feedback Average Out of 5 Scale	4.7
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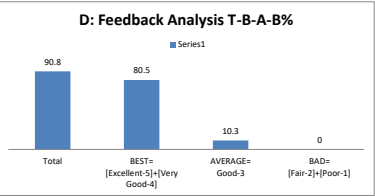
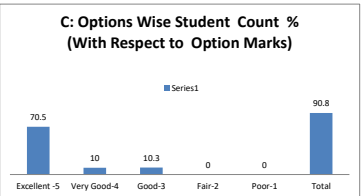
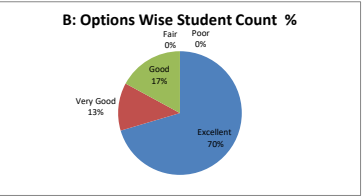
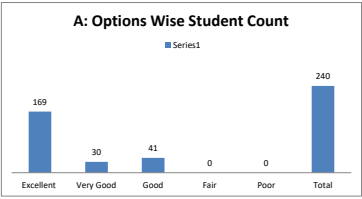
PART - B

Questions and Options						
Each Question Feedback Average out of 5 Scale						
Q.NO.1	How do you rate the sequence of the Courses that you have studied are in sequence to what you have studied in the previous semester?					4.54
OPTIONS	Excellent	Very Good	Good	Average	Poor	
Q.NO.2	How do you rate the syllabus of the courses that you have studied in relation to the competencies expected out of the course?					4.6
OPTIONS	Excellent	Very Good	Good	Average	Poor	
Q.NO.3	How do you rate the relevance of the units in Syllabus relevant to the course?					4.63
OPTIONS	Excellent	Very Good	Good	Average	Poor	
Q.NO.4	How do you rate the sequence of the units in the course?					4.78
OPTIONS	Excellent	Very Good	Good	Average	Poor	
Q.NO.5	How do you rate the allocation of the credits to the courses?					4.77
OPTIONS	Excellent	Very Good	Good	Average	Poor	
Q.NO.6	How do you rate the distribution of the contact hours among the course components (L-T-P)?					4.64
OPTIONS	Excellent	Very Good	Good	Average	Poor	
Q.NO.7	How do you rate the offering of the electives in terms of their relevance to the specialization streams?					4.76
OPTIONS	Excellent	Very Good	Good	Average	Poor	
Q.NO.8	How do you rate the electives offered in relation to the Technological advancements?					4.74
OPTIONS	Excellent	Very Good	Good	Average	Poor	
Q.NO.9	How do you rate the relevance of the Text Books and reference books by their International recognition to the Courses?					4.66
OPTIONS	Excellent	Very Good	Good	Average	Poor	
Q.NO.10	Rate the Size of syllabus in terms of the load on the student					4.73
OPTIONS	Excellent	Very Good	Good	Average	Poor	
Q.NO.11	Rate the courses in terms of extra learning or self learning considering the design of the courses					4.75
OPTIONS	Excellent	Very Good	Good	Average	Poor	
Q.NO.12	Rate the courses in terms of sequence of offering considering whether the preceding courses have been covered.					4.76
OPTIONS	Excellent	Very Good	Good	Average	Poor	
Q.NO.13	How do you rate the loading of the courses in a semester?					4.77
OPTIONS	Excellent	Very Good	Good	Average	Poor	
Q.NO.14	How do you rate the evaluation scheme designed for each of the course?					4.79
OPTIONS	Excellent	Very Good	Good	Average	Poor	
Q.NO.15	How do you rate the objectives stated for each of the course?					4.8
OPTIONS	Excellent	Very Good	Good	Average	Poor	
Q.NO.16	How do you rate competencies expected out of the course?					4.63
OPTIONS	Excellent	Very Good	Good	Average	Poor	
Q.NO.17	How do you rate the composition of the courses in terms of Basic science, Engineering science, Humanities, Discipline core, discipline elective, open					4.75
OPTIONS	Excellent	Very Good	Good	Average	Poor	
Q.NO.18	How do you rate the percentage of courses having LAB components?					4.8
OPTIONS	Excellent	Very Good	Good	Average	Poor	
Q.NO.19	How do you rate the domain used for designing the experiments for the LAB components?					4.8
OPTIONS	Excellent	Very Good	Good	Average	Poor	
Q.NO.20	How do you rate the experiments in relation to the real life Applications?					4.7
OPTIONS	Excellent	Very Good	Good	Average	Poor	

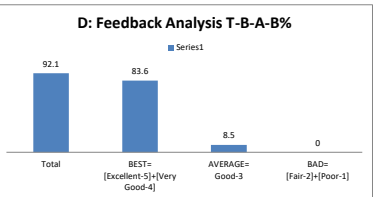
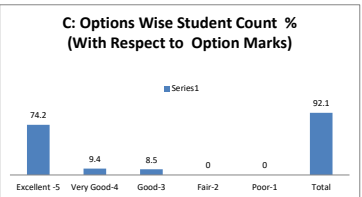
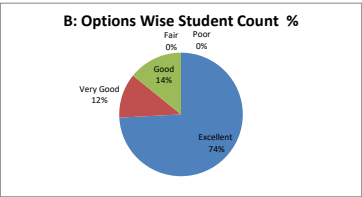
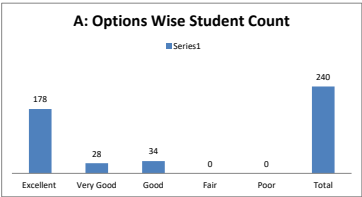
PART - C

Question Wise Analysis

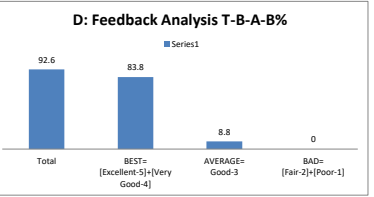
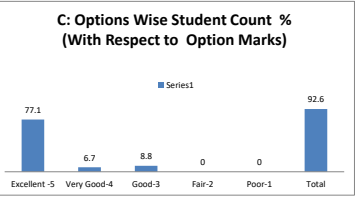
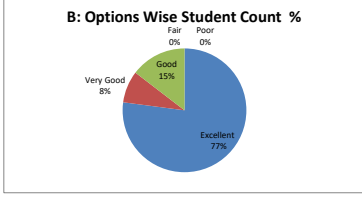
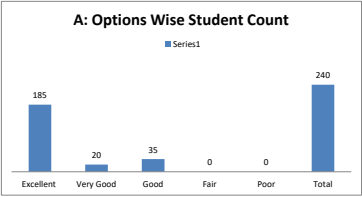
Q.NO.1	How do you rate the sequence of the Courses that you have studied are in sequence to what you have studied in the previous semester?					
OPTIONS	A	B	C	D	E	Students
	Excellent	Very Good	Good	Average	Poor	
RESULT	169	30	41	0	0	240
	Excellent	Very Good	Good	Fair	Poor	Total



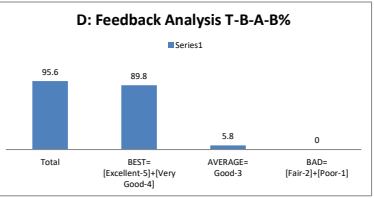
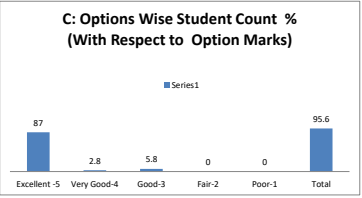
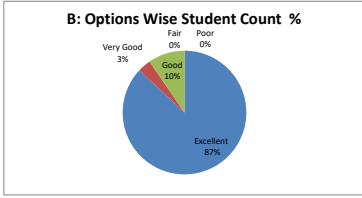
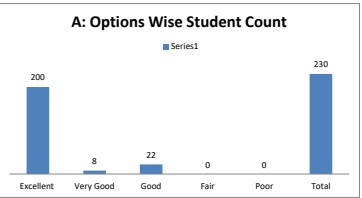
Q.NO.2	How do you rate the syllabus of the courses that you have studied in relation to the competencies expected out of the course?					
OPTIONS	A	B	C	D	E	Students
	Excellent	Very Good	Good	Average	Poor	
RESULT	178	28	34	0	0	240
	Excellent	Very Good	Good	Fair	Poor	Total



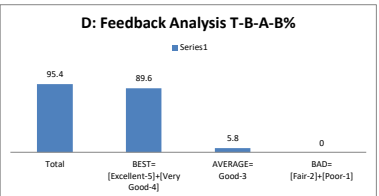
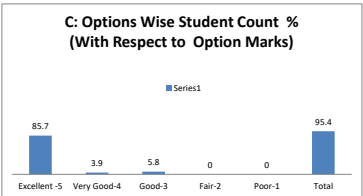
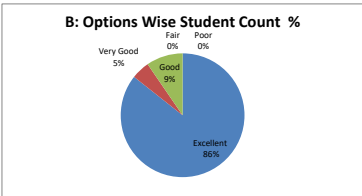
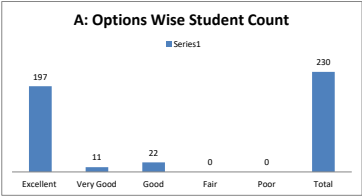
Q.NO.3	How do you rate the relevance of the units in Syllabus relevant to the course?					
OPTIONS	A	B	C	D	E	Students
	Excellent	Very Good	Good	Average	Poor	
RESULT	185	20	35	0	0	240
	Excellent	Very Good	Good	Fair	Poor	Total



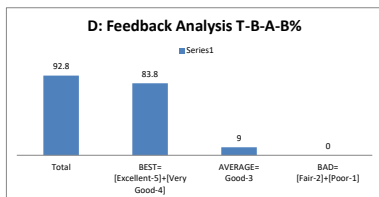
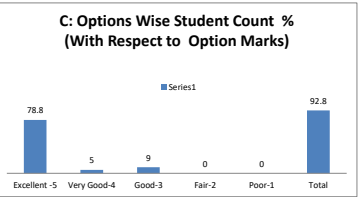
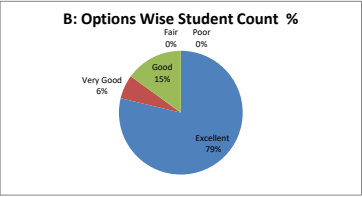
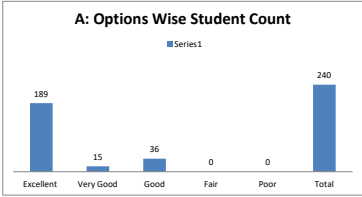
Q.NO.4	How do you rate the sequence of the units in the course?					
OPTIONS	A	B	C	D	E	Students
	Excellent	Very Good	Good	Average	Poor	
RESULT	200	8	22	0	0	230
	Excellent	Very Good	Good	Fair	Poor	Total



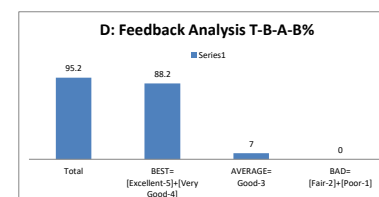
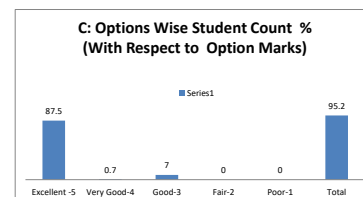
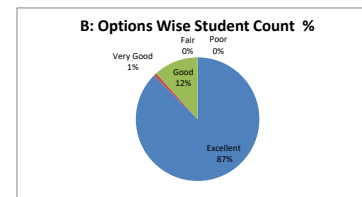
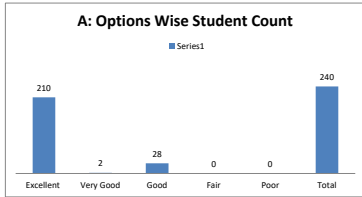
Q.NO.5	How do you rate the allocation of the credits to the courses?					
OPTIONS	A	B	C	D	E	Students
	Excellent	Very Good	Good	Average	Poor	
RESULT	197	11	22	0	0	230
	Excellent	Very Good	Good	Fair	Poor	Total



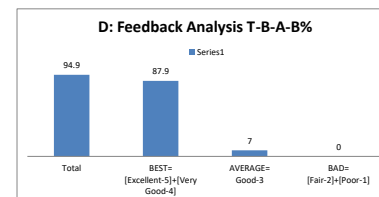
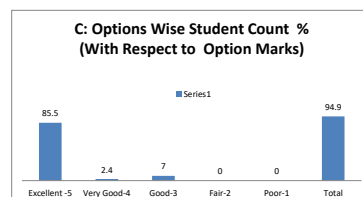
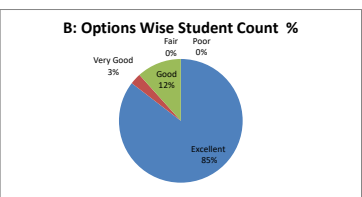
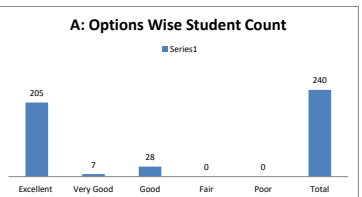
Q.NO.6	How do you rate the distribution of the contact hours among the course components (L-T-P)?					
OPTIONS	A	B	C	D	E	Students
	Excellent	Very Good	Good	Average	Poor	
RESULT	189	15	36	0	0	240
	Excellent	Very Good	Good	Fair	Poor	Total



Q.NO.7	How do you rate the offering of the electives in terms of their relevance to the specialization streams?					
OPTIONS	A	B	C	D	E	Students
	Excellent	Very Good	Good	Average	Poor	
RESULT	210	2	28	0	0	240
	Excellent	Very Good	Good	Fair	Poor	Total

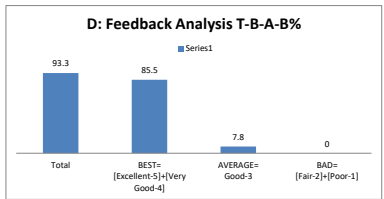
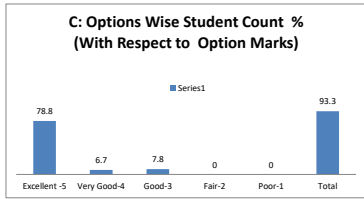
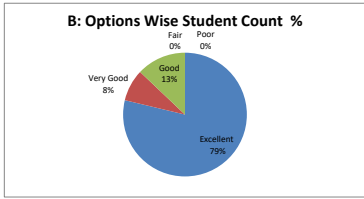
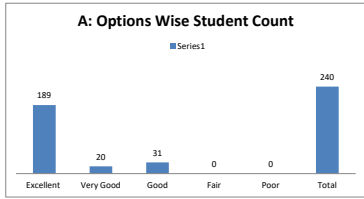


Q.NO.8	How do you rate the electives offered in relation to the Technological advancements?					
OPTIONS	A	B	C	D	E	Students
	Excellent	Very Good	Good	Average	Poor	
RESULT	205	7	28	0	0	240
	Excellent	Very Good	Good	Fair	Poor	Total

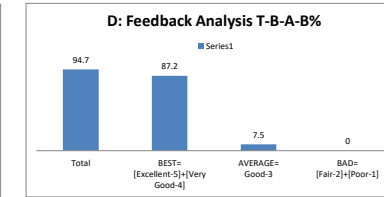
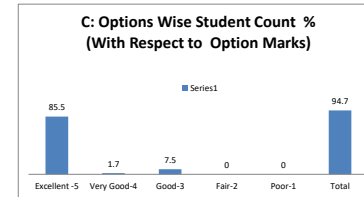
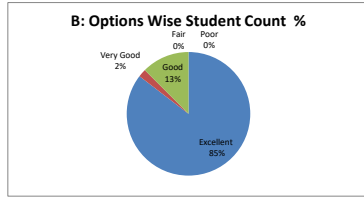
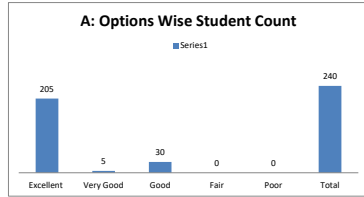


Q.No.9	How do you rate the relevance of the Text Books and reference books by their international recognition to the Courses?					
OPTIONS	A	B	C	D	E	Students
	Excellent	Very Good	Good	Average	Poor	
RESULT	189	20	31	0	0	240
	Excellent	Very Good	Good	Fair	Poor	Total

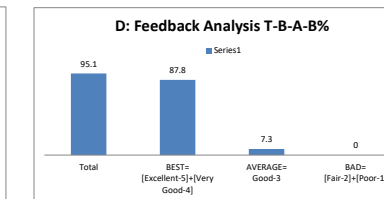
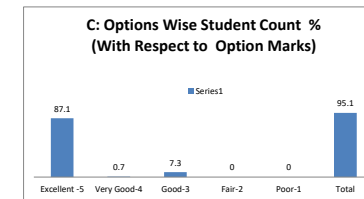
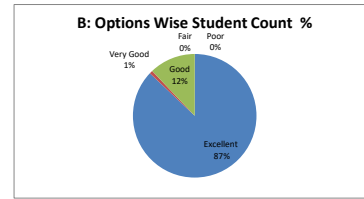
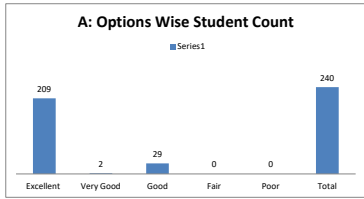




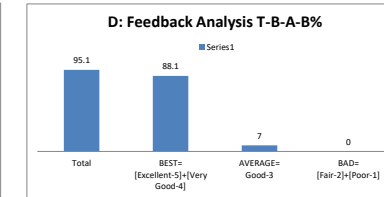
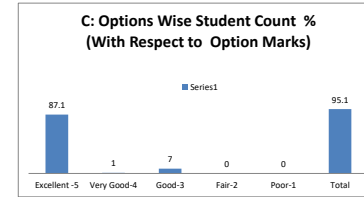
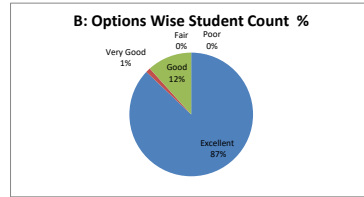
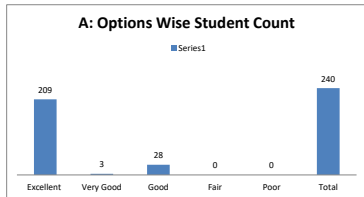
Q.NO.10 Rate the Size of syllabus in terms of the load on the student						
OPTIONS	A	B	C	D	E	Students
	Excellent	Very Good	Good	Average	Poor	
RESULT	205	5	30	0	0	240
	Excellent	Very Good	Good	Fair	Poor	Total



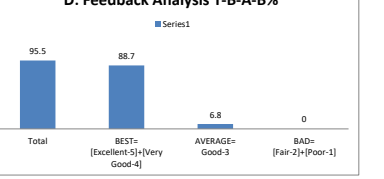
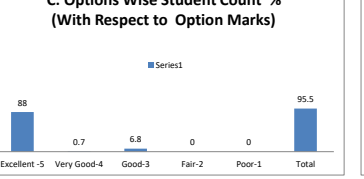
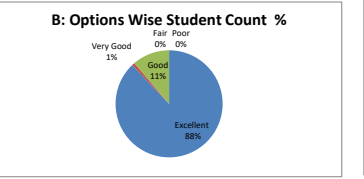
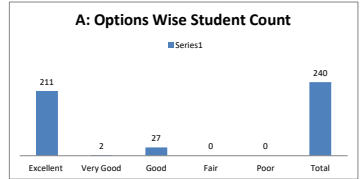
Q.NO.11 Rate the courses in terms of extra learning or self learning considering the design of the courses						
OPTIONS	A	B	C	D	E	Students
	Excellent	Very Good	Good	Average	Poor	
RESULT	209	2	29	0	0	240
	Excellent	Very Good	Good	Fair	Poor	Total



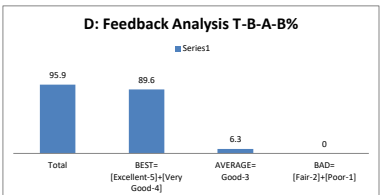
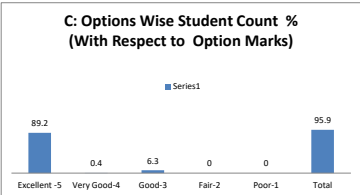
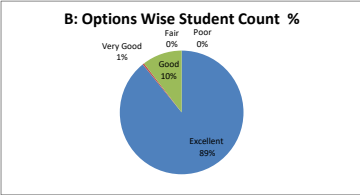
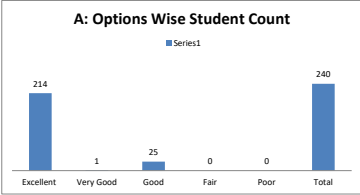
Q.NO.12 Rate the courses in terms of sequence of offering considering whether the preceding courses have been covered.						
OPTIONS	A	B	C	D	E	Students
	Excellent	Very Good	Good	Average	Poor	
RESULT	209	5	28	0	0	240
	Excellent	Very Good	Good	Fair	Poor	Total



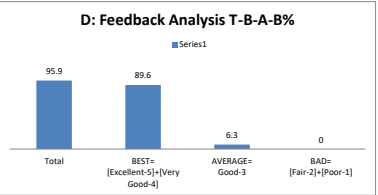
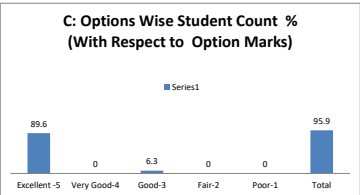
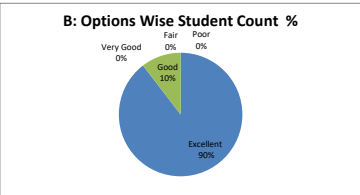
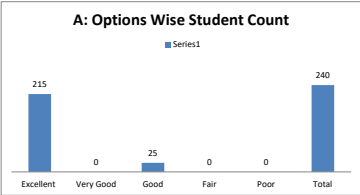
Q.NO.13 How do you Rate the loading of the courses in a semester?						
OPTIONS	A	B	C	D	E	Students
	Excellent	Very Good	Good	Average	Poor	
RESULT	211	2	27	0	0	240
	Excellent	Very Good	Good	Fair	Poor	Total



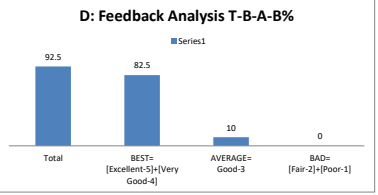
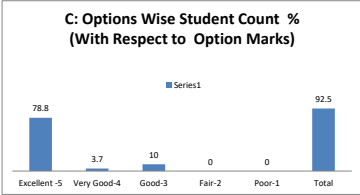
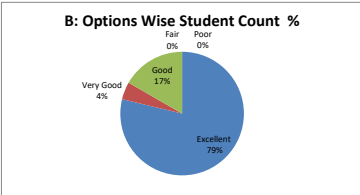
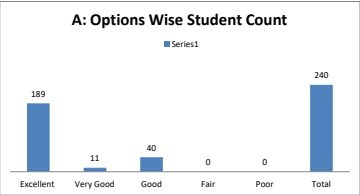
Q.NO.14	How do you rate the evaluation scheme designed for each of the course?					
OPTIONS	A	B	C	D	E	Students
	Excellent	Very Good	Good	Average	Poor	
RESULT	214	1	25	0	0	240
	Excellent	Very Good	Good	Fair	Poor	Total



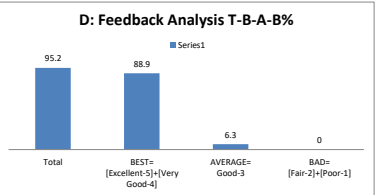
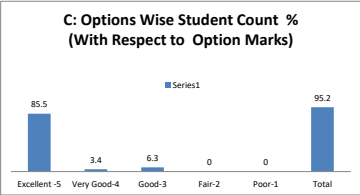
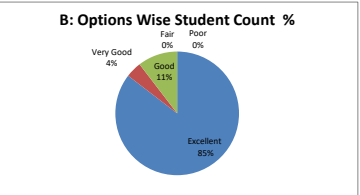
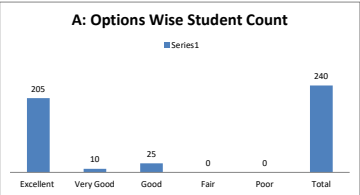
Q.NO.15	How do you rate the objectives stated for each of the course?					
OPTIONS	A	B	C	D	E	Students
	Excellent	Very Good	Good	Average	Poor	
RESULT	215	0	25	0	0	240
	Excellent	Very Good	Good	Fair	Poor	Total



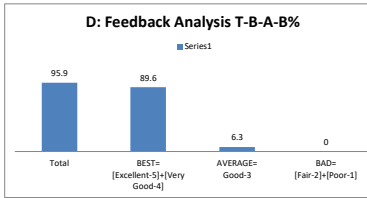
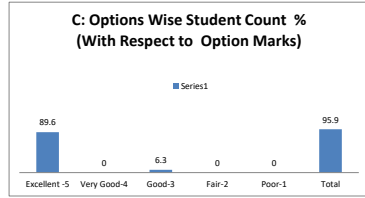
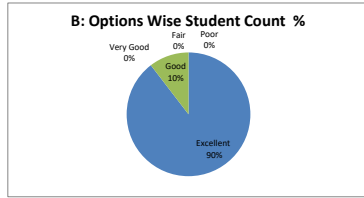
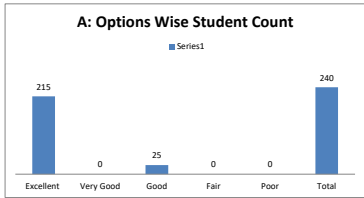
Q.NO.16	How do you rate competencies expected out of the course?					
OPTIONS	A	B	C	D	E	Students
	Excellent	Very Good	Good	Average	Poor	
RESULT	189	11	40	0	0	240
	Excellent	Very Good	Good	Fair	Poor	Total



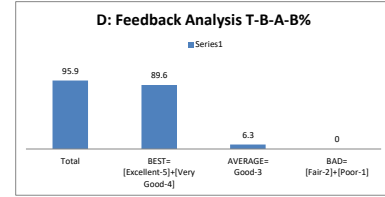
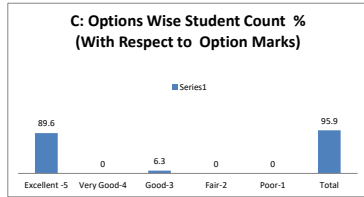
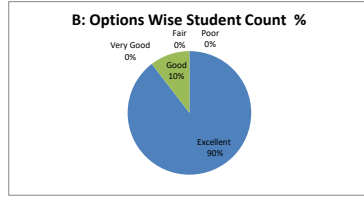
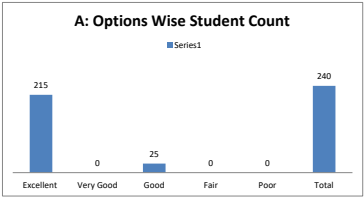
Q.NO.17	You rate the composition of the courses in terms of Basic science, Engineering science, Humanities, Discipline core, discipline elective, open elective, project					
OPTIONS	A	B	C	D	E	Students
	Excellent	Very Good	Good	Average	Poor	
RESULT	205	10	25	0	0	240
	Excellent	Very Good	Good	Fair	Poor	Total



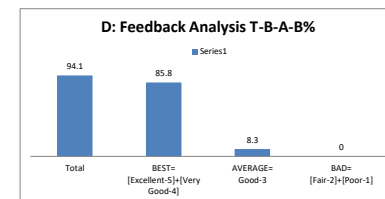
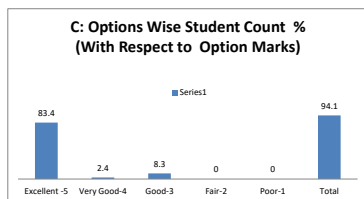
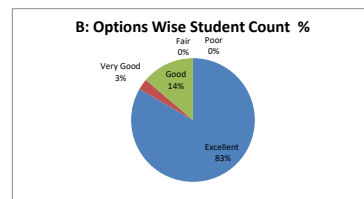
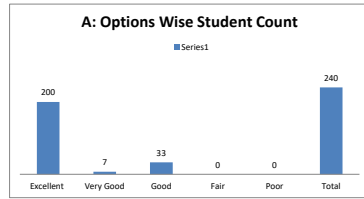
Q.NO.18	How do you rate the percentage of courses having LAB components?					
OPTIONS	A	B	C	D	E	Students
	Excellent	Very Good	Good	Average	Poor	
RESULT	215	0	25	0	0	240
	Excellent	Very Good	Good	Fair	Poor	Total



Q.NO.19	How do you rate the domain used for designing the experiments for the LAB components?					
OPTIONS	A	B	C	D	E	Students
	Excellent	Very Good	Good	Average	Poor	
RESULT	215	0	25	0	0	240
	Excellent	Very Good	Good	Fair	Poor	Total

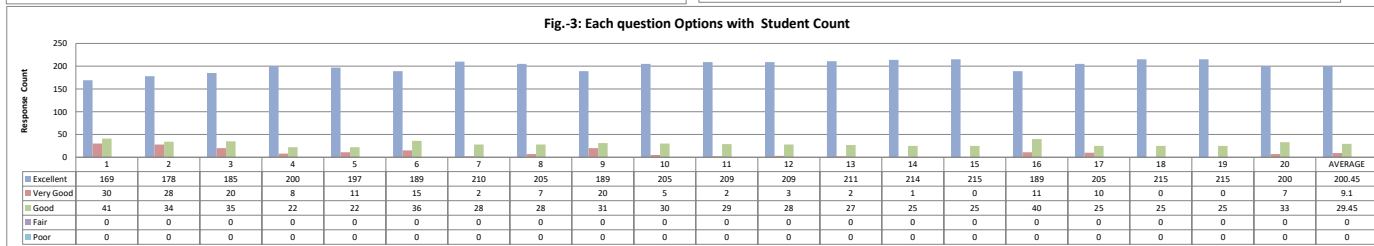
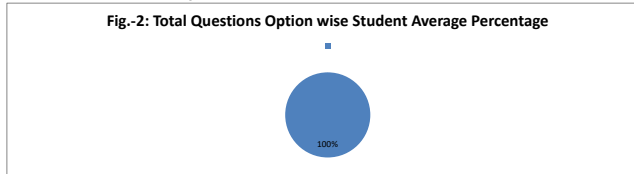
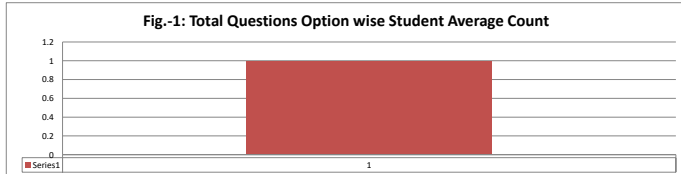


Q.NO.20	How do you rate the experiments in relation to the real life Applications?					
OPTIONS	A	B	C	D	E	Students
	Excellent	Very Good	Good	Average	Poor	
RESULT	200	7	33	0	0	240
	Excellent	Very Good	Good	Fair	Poor	Total



## PART - D

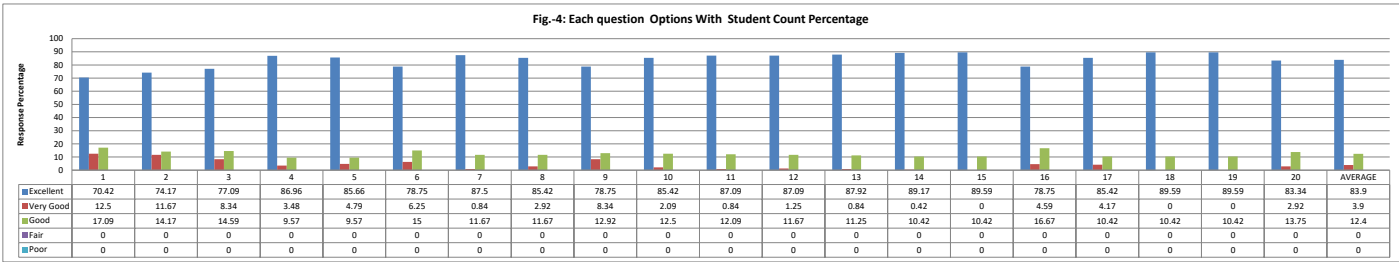
### Student Feedback on Curriculum Overall Analysis





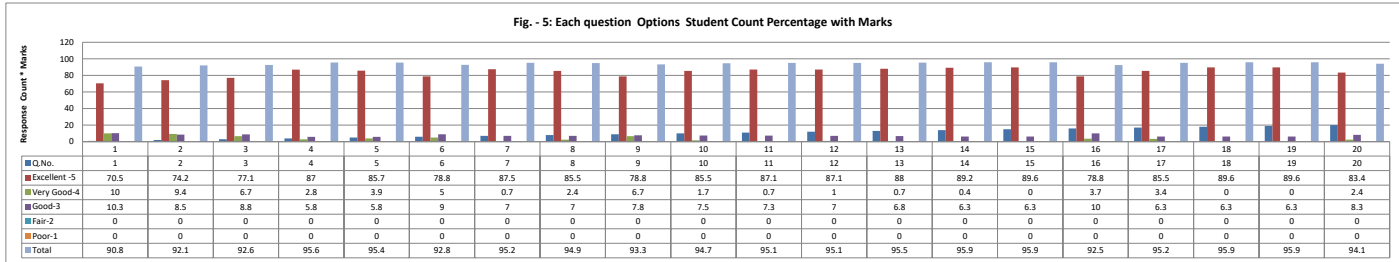
**Fig.-4: Each question Options With Student Count Percentage**

Question	Excellent	Very Good	Good	Fair	Poor
1	70.42	12.5	17.09	0	0
2	74.17	11.67	14.17	0	0
3	77.09	8.34	14.59	0	0
4	86.96	3.48	9.57	0	0
5	85.66	4.79	9.57	0	0
6	78.75	6.25	15	0	0
7	87.5	0.84	11.67	0	0
8	85.42	2.92	11.67	0	0
9	78.75	8.34	12.92	0	0
10	85.42	2.09	12.5	0	0
11	87.09	0.84	12.09	0	0
12	87.09	1.25	11.67	0	0
13	87.92	0.84	11.25	0	0
14	89.17	0.42	10.42	0	0
15	89.59	0	10.42	0	0
16	78.75	4.59	16.67	0	0
17	85.42	4.17	10.42	0	0
18	89.59	0	10.42	0	0
19	89.59	0	10.42	0	0
20	83.34	2.92	13.75	0	0
AVERAGE	83.9	3.9	12.4	0	0



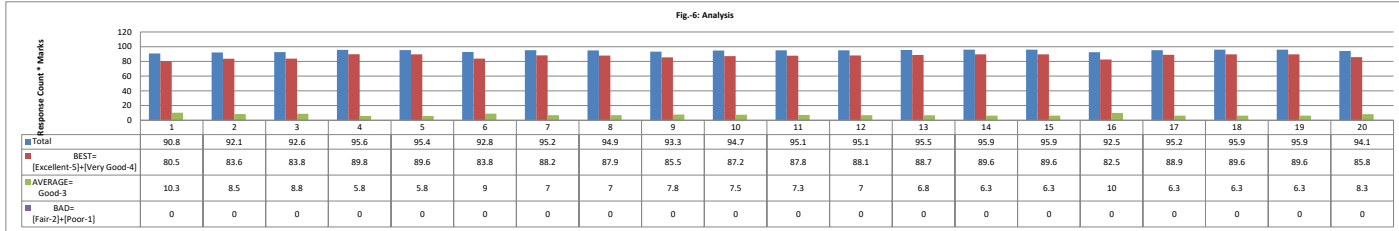
**Fig. - 5: Each question Options Student Count Percentage with Marks**

Q.No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Q.No.	70.5	74.2	77.1	87	85.7	78.8	87.5	85.5	78.8	85.5	87.1	87.1	88	89.2	89.6	78.8	85.5	89.6	89.6	83.4
Excellent-5	10	9.4	6.7	2.8	3.9	5	0	2.4	6.7	1.7	0.7	1	0.7	0.4	0	3.7	3.4	0	0	2.4
Very Good-4	10.3	8.5	8.8	5.8	5.8	9	7	7	7.8	7.5	7.3	7	6.8	6.3	6.3	10	6.3	6.3	6.3	8.3
Good-3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Fair-2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Poor-1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	90.8	92.1	92.6	95.6	95.4	92.8	95.2	94.9	93.3	94.7	95.1	95.1	95.5	95.9	95.9	92.5	95.2	95.9	95.9	94.1



**Fig-6: Analysis**

Marks	Total	BEST+ [Excellent-5]+[Very Good-4]	AVERAGE= Good-3	BAD= [Fair-2]+[Poor-1]
1	80.5	80.5	10.3	0
2	92.1	83.6	8.5	0
3	92.6	83.8	8.8	0
4	95.6	89.8	5.8	0
5	95.4	89.6	5.8	0
6	92.8	83.8	9	0
7	95.2	88.2	7	0
8	94.9	87.9	7	0
9	93.3	85.5	7.8	0
10	94.7	87.2	7.5	0
11	95.1	87.8	7.3	0
12	95.1	88.1	7	0
13	95.5	88.7	6.8	0
14	95.9	89.6	6.3	0
15	95.9	89.6	6.3	0
16	92.5	82.5	10	0
17	95.2	88.9	6.3	0
18	95.9	89.6	6.3	0
19	95.9	89.6	6.3	0
20	94.8	85.1	8.3	0



## PART-E

## Top Positive Feedback Questions and Action Taken on Top Negative Feedback Questions

Positive Feedback Questions: Threshold:- Positive: Total > 85 & BEST>75 & AVERAGE < 10 & BAD < 5;			Question
Sl.No.	Q.No.		
P_1	7	How do you rate the offering of the electives in terms of their relevance to the specialization streams?	
P_2	8	How do you rate the electives offered in relation to the Technological advancements?	
P_3	15	How do you rate the objectives stated for each of the course?	
P_4	18	How do you rate the percentage of courses having LAB components?	

Negative Feedback Questions: Threshold:- Negative: Total < 65 / BEST < 55 / AVERAGE > 10 / BAD > 5;			Question
Sl.No.	Q.No.		
N_1			NIL
N_2			
N_3			

Action Taken on Negative Feedback Questions:			Action Taken	DAC	Date
Sl.No.	Q.No.	Analysis			
N_1			NIL		
N_2					
N_3					

## Any other: Recommendations / Suggestion(s) given by Academic Peers

Sl.No.	Student details	Recommendation/Suggestion (s)	Analysis	Action Taken	Any other remarks	Department	Program	Specialization	DAC NO.	PAGE NO	Date
1	Ms. Bhavana P	Ms. Bhavana P, Recommended to add staining techniques in Microbiology	Adding staining techniques in microbiology enhances the visualization and characterization of microorganisms, improving diagnostic accuracy and enabling detailed morphological analysis.	Suggested topics have been incorporated in Microbiology approved by BOS and eventually recommended to Academic council.		BT	B.TECH	ET	XXXVI	5	29/06/2023
2	Ms. Sarvani Vemuri	Ms. Sarvani Vemuri, Suggested to enrich the syllabus in accordance with industrial needs	Proposing curriculum enhancements to align with industry demands for better workforce readiness and relevance.	Suggested modifications have been incorporated in 2022-2023 curriculum approved by BOS and eventually recommended to Academic council.		BT	B.TECH	BT	XXXVI	5	29/06/2023
3	Mr. Sibin	Mr. Sibin Recommended to alter the LTP structures for the courses like Indian Heritage & Culture and Indian Constitution and these courses to be offered as audited courses.	Modify the Lecture-Tutorial-Practical (LTP) structures to transform courses such as Indian Heritage & Culture and Indian Constitution into audited courses for enhanced academic engagement and comprehension.	0-0-2 has been modified as 2-0-0 and resolved to offer as audited courses from Y19 regulation approved by BOS and eventually recommended to Academic council.		BT	B.TECH	BT	XXXVI	5	29/06/2023
4	Ms Lasya V	Ms Lasya V, Recommended to add Phylogenetic analysis in Bioinformatics	Adding phylogenetic analysis in bioinformatics enhances evolutionary understanding and facilitates comparative genomics for comprehensive biological insights.	Suggested topics have been incorporated in Bioinformatics approved by BOS and eventually recommended to Academic council.		BT	B.TECH	BT	XXXVI	5	29/06/2023
5	Ms. Yochana	Ms. Yochana Advised to include Temperature dependency on rate of reaction in Biochemical Reaction Engineering	Integrating temperature dependency enhances precision and efficiency in modeling biochemical reactions, crucial for optimizing processes in biochemical engineering.	Suggested topics have been incorporated in Biochemical Reaction Engineering approved by BOS and eventually recommended to Academic council.		BT	B.TECH	BT	XXXVI	5	29/06/2023
6	Mr. Shaikh Khaja	Mr. Shaikh Khaja Recommended to add peptide hormones and biodegradable plastics in Plant Biotechnology	Integrating peptide hormones enhances plant growth and resilience, while incorporating biodegradable plastics fosters eco-friendly solutions in plant biotechnology.	Suggested topics have been incorporated in Plant Biotechnology approved by BOS and eventually recommended to Academic council.		BT	B.TECH	BT	XXXVI	5	29/06/2023

Head  
Department of Biotechnology  
Koneru Lakshmaiah Education Foundation  
(Deemed to be University)  
WADESWARAM, Guntur DT

**Department of Biotechnology  
Koneru Lakshmaiah Education Foundation  
(K L Deemed to be University)**

**Faculty Feedback on Curriculum Analysis Report**

**Academic Year: 2023-2024**

**Semester - ODD**

**PART - A**

Q.No.	Excellent	Very Good	Good	Fair	Poor	Total
1	21	12	2	0	0	35
2	22	11	2	0	0	35
3	17	12	6	0	0	35
4	18	10	7	0	0	35
5	20	9	6	0	0	35
6	20	9	6	0	0	35
7	20	9	6	0	0	35
8	20	9	6	0	0	35
9	20	9	6	0	0	35
10	19	12	4	0	0	35
AVERAGE	19.7	10.2	5.1	0	0	35

**Feedback Average Out of 5 Scale**

**4.42**

**PART - B**

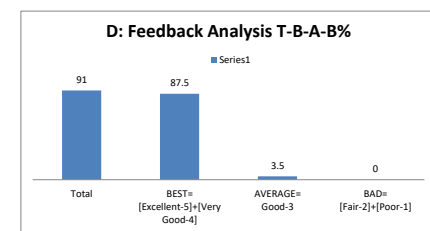
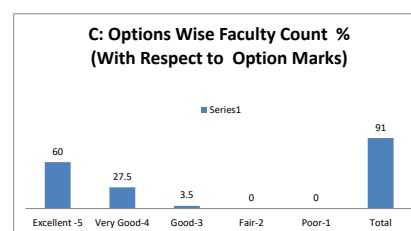
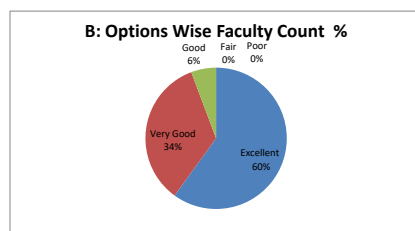
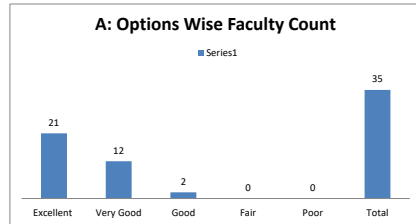
**Questions and Options**

Each Question Feedback Average out of 5 Scale						
Q.NO.1	Aims and objectives of the syllabi are well defined and clear to teachers and students.					4.55
OPTIONS	Strongly Agree	Agree	Not Sure	Disagree	Strongly Disagree	
Q.NO.2	The curriculum provides opportunity for the conducting research and project related activities.					4.58
OPTIONS	Strongly Agree	Agree	Not Sure	Disagree	Strongly Disagree	
Q.NO.3	The depth of the course content is adequate to have significant learning outcomes.					4.32
OPTIONS	Strongly Agree	Agree	Not Sure	Disagree	Strongly Disagree	
Q.NO.4	The opinion of the faculty members are taken in to account during curriculum revision.					4.32
OPTIONS	Strongly Agree	Agree	Not Sure	Disagree	Strongly Disagree	
Q.NO.5	The learning outcomes of the curriculum are of local, national and global standard.					4.4
OPTIONS	Strongly Agree	Agree	Not Sure	Disagree	Strongly Disagree	
Q.NO.6	The pre-requisite courses are appropriate for this course.					4.4
OPTIONS	Strongly Agree	Agree	Not Sure	Disagree	Strongly Disagree	
Q.NO.7	The students attain the POs, COs and PSOs satisfactorily.					4.4
OPTIONS	Strongly Agree	Agree	Not Sure	Disagree	Strongly Disagree	
Q.NO.8	The curriculum has the potential in developing the habit of self learning among the students.					4.4
OPTIONS	Strongly Agree	Agree	Not Sure	Disagree	Strongly Disagree	
Q.No.9	The course/syllabus has a good balance between theory and Laboratory-work.					4.4
OPTIONS	Strongly Agree	Agree	Not Sure	Disagree	Strongly Disagree	
Q.NO.10	Evaluation of the course is appropriate to discriminate the students.					4.43
OPTIONS	Strongly Agree	Agree	Not Sure	Disagree	Strongly Disagree	

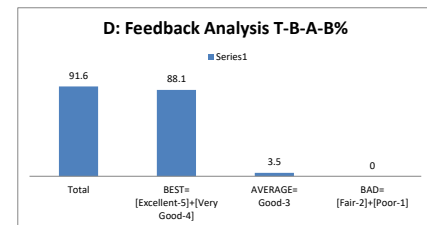
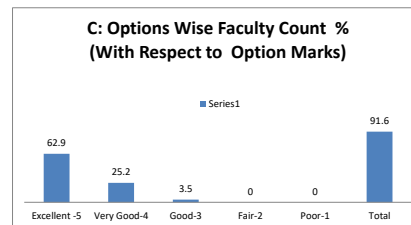
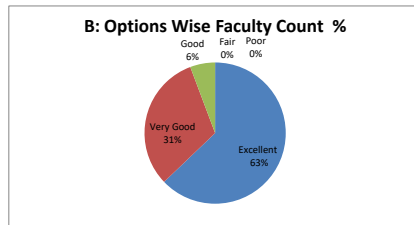
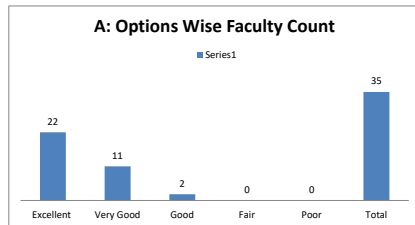
## PART - C

### Question Wise Analysis

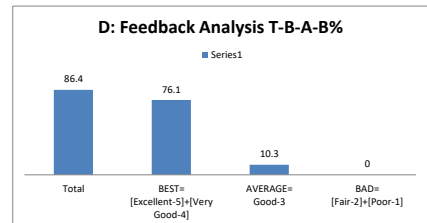
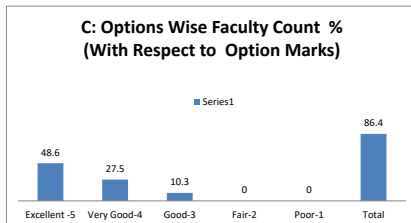
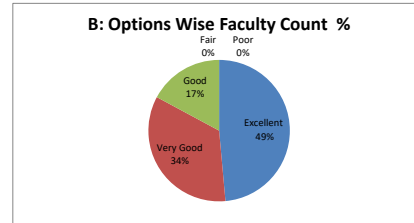
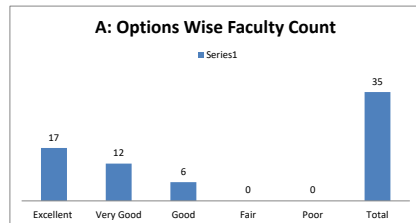
Q.NO.1	Aims and objectives of the syllabi are well defined and clear to teachers and students.					
OPTIONS	A	B	C	D	E	Alumini
	Strongly Agree	Agree	Not Sure	Disagree	Strongly Disagree	
RESULT	21	12	2	0	0	35
	Excellent	Very Good	Good	Fair	Poor	Total



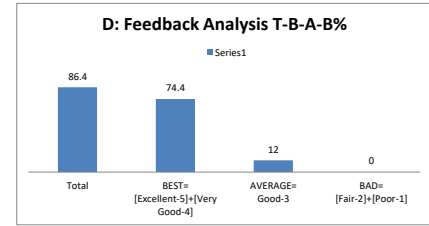
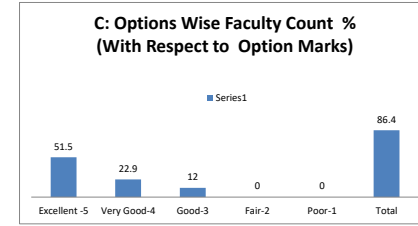
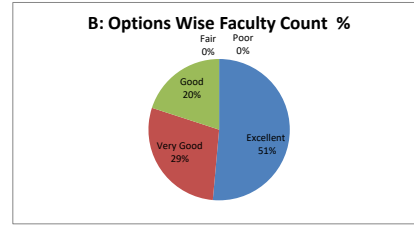
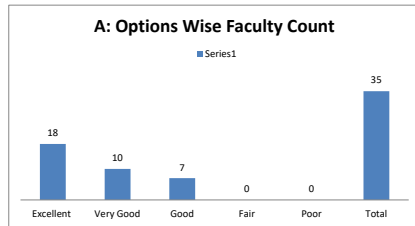
Q.NO.2	The curriculum provides opportunity for the conducting research and project related activities.					
OPTIONS	A	B	C	D	E	Alumini
	Strongly Agree	Agree	Not Sure	Disagree	Strongly Disagree	
RESULT	22	11	2	0	0	35
	Excellent	Very Good	Good	Fair	Poor	Total



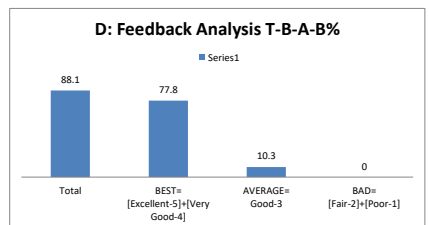
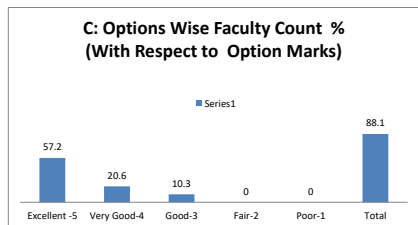
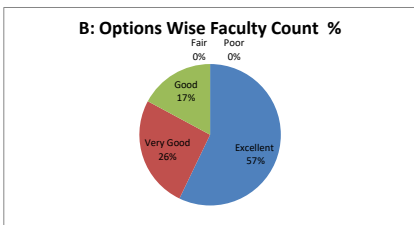
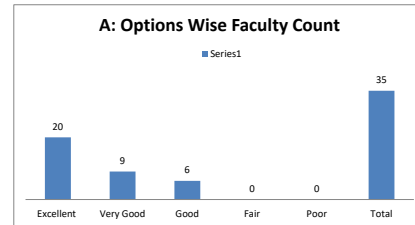
Q.NO.3	The depth of the course content is adequate to have significant learning outcomes.					
OPTIONS	A	B	C	D	E	Alumini
	Strongly Agree	Agree	Not Sure	Disagree	Strongly Disagree	
RESULT	17	12	6	0	0	35
	Excellent	Very Good	Good	Fair	Poor	Total



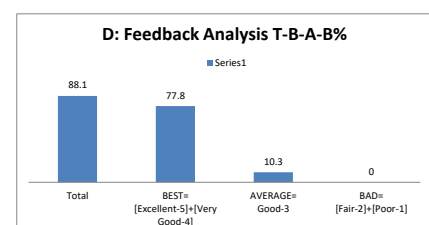
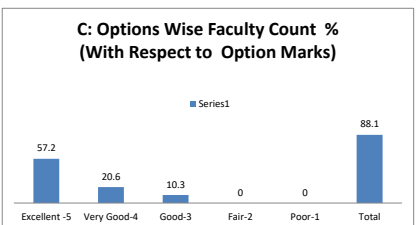
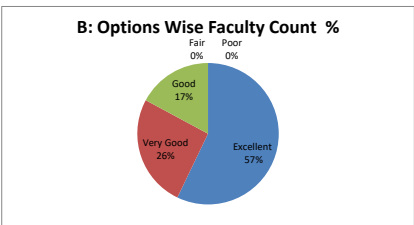
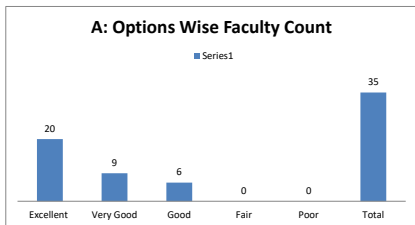
Q.NO.4	The opinion of the faculty members are taken in to account during curriculum revision.					
OPTIONS	A	B	C	D	E	Alumini
	Strongly Agree	Agree	Not Sure	Disagree	Strongly Disagree	
RESULT	18	10	7	0	0	35
	Excellent	Very Good	Good	Fair	Poor	Total



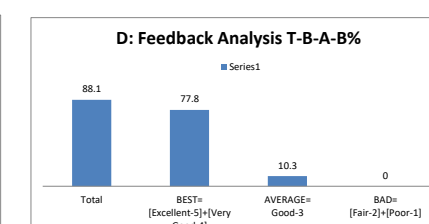
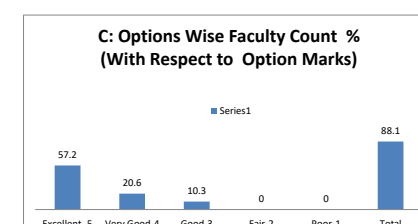
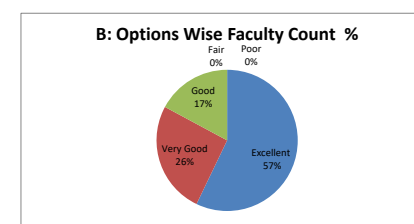
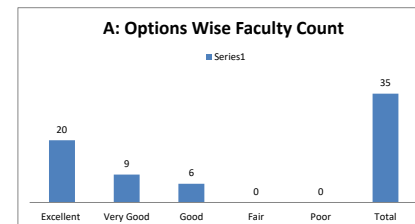
Q.NO.5	The learning outcomes of the curriculum are of local, national and global standard.					
OPTIONS	A	B	C	D	E	Alumini
	Strongly Agree	Agree	Not Sure	Disagree	Strongly Disagree	
RESULT	20	9	6	0	0	35
	Excellent	Very Good	Good	Fair	Poor	Total



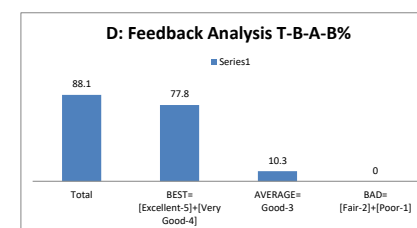
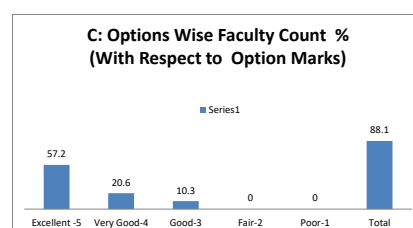
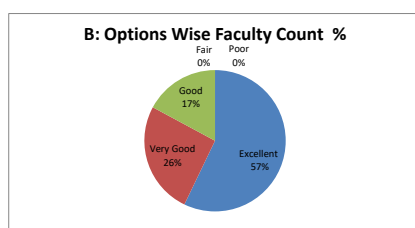
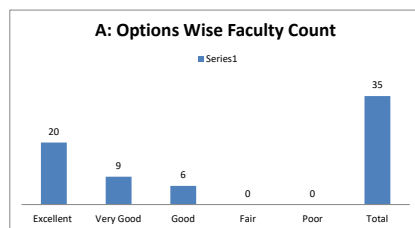
Q.NO.6	The pre-requisite courses are appropriate for this course.					
OPTIONS	A	B	C	D	E	Alumini
	Strongly Agree	Agree	Not Sure	Disagree	Strongly Disagree	
RESULT	20	9	6	0	0	35
	Excellent	Very Good	Good	Fair	Poor	Total



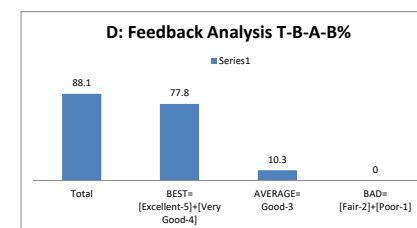
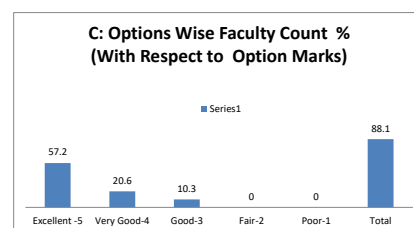
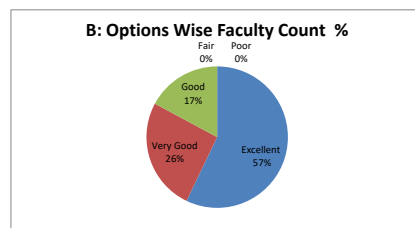
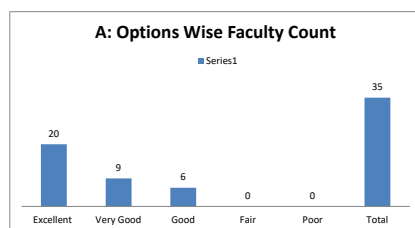
Q.NO.7	The students attain the POs, COs and PSOs satisfactorily.					
OPTIONS	A	B	C	D	E	Alumini
	Strongly Agree	Agree	Not Sure	Disagree	Strongly Disagree	
RESULT	20	9	6	0	0	35
	Excellent	Very Good	Good	Fair	Poor	Total



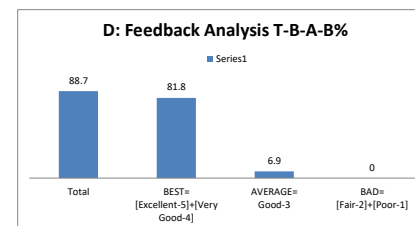
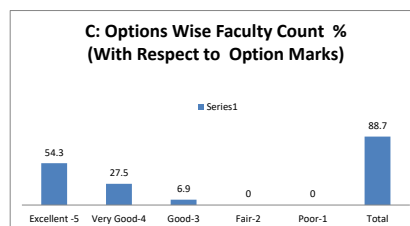
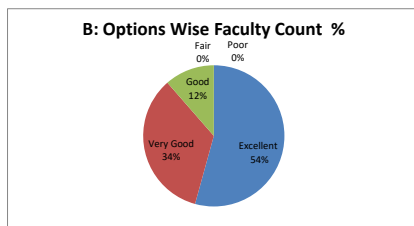
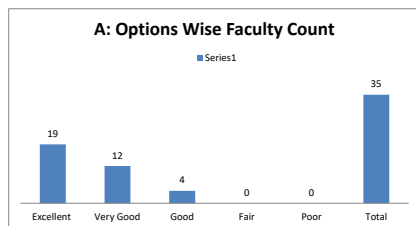
Q.NO.8	The curriculum has the potential in developing the habit of self learning among the students.					
OPTIONS	A	B	C	D	E	Alumini
	Strongly Agree	Agree	Not Sure	Disagree	Strongly Disagree	
RESULT	20	9	6	0	0	35
	Excellent	Very Good	Good	Fair	Poor	Total



Q.No.9	The course/syllabus has a good balance between theory and Laboratory-work.					
OPTIONS	A	B	C	D	E	Alumini
	Strongly Agree	Agree	Not Sure	Disagree	Strongly Disagree	
RESULT	20	9	6	0	0	35
	Excellent	Very Good	Good	Fair	Poor	
						Total

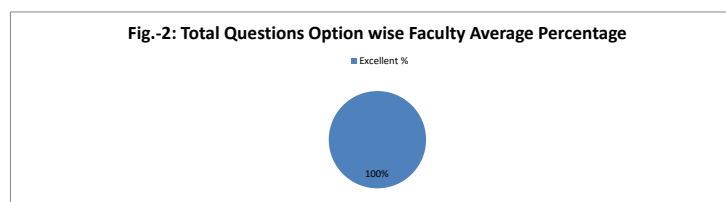
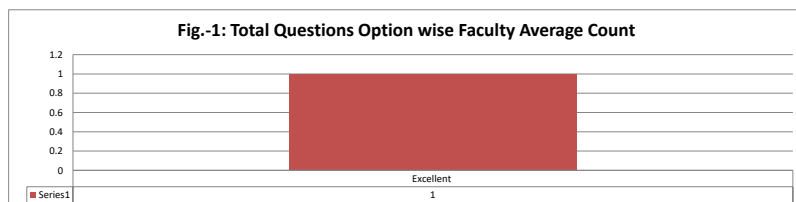


Q.NO.10	Evaluation of the course is appropriate to discriminate the students.					
OPTIONS	A	B	C	D	E	Alumini
	Strongly Agree	Agree	Not Sure	Disagree	Strongly Disagree	
RESULT	19	12	4	0	0	35
	Excellent	Very Good	Good	Fair	Poor	
						Total

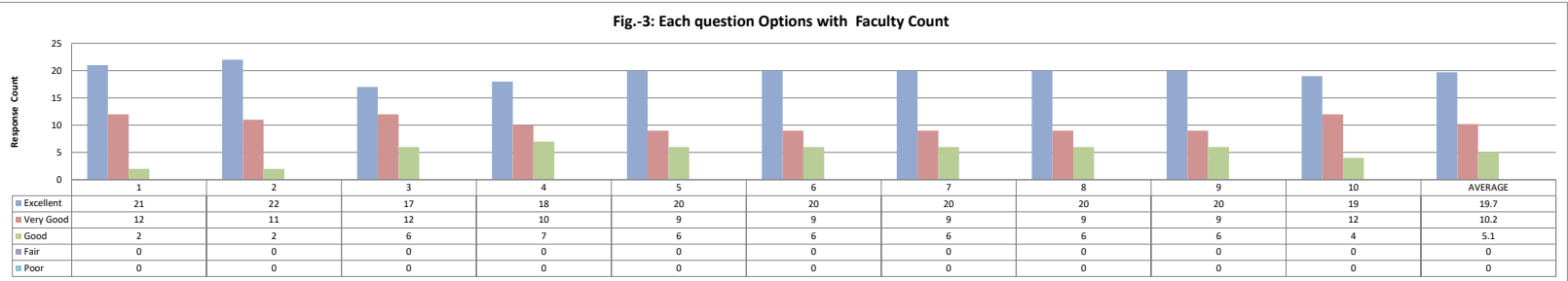


## PART - D

### Faculty Feedback on Curriculum Analysis Summary





[illegible]

**Fig.-4: Each question Options With Faculty Count Percentage**

Question	Excellent	Very Good	Good	Fair	Poor
1	60	34.29	5.72	0	0
2	62.86	31.43	5.72	0	0
3	48.58	34.29	17.15	0	0
4	51.43	28.58	20	0	0
5	57.15	25.72	17.15	0	0
6	57.15	25.72	17.15	0	0
7	57.15	25.72	17.15	0	0
8	57.15	25.72	17.15	0	0
9	57.15	25.72	17.15	0	0
10	54.29	34.29	11.43	0	0
AVERAGE	56.3	29.2	14.6	0	0

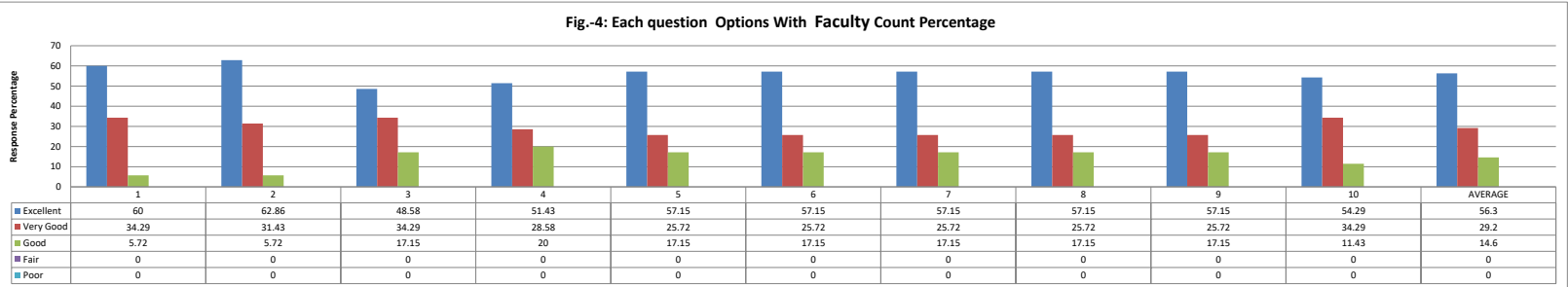
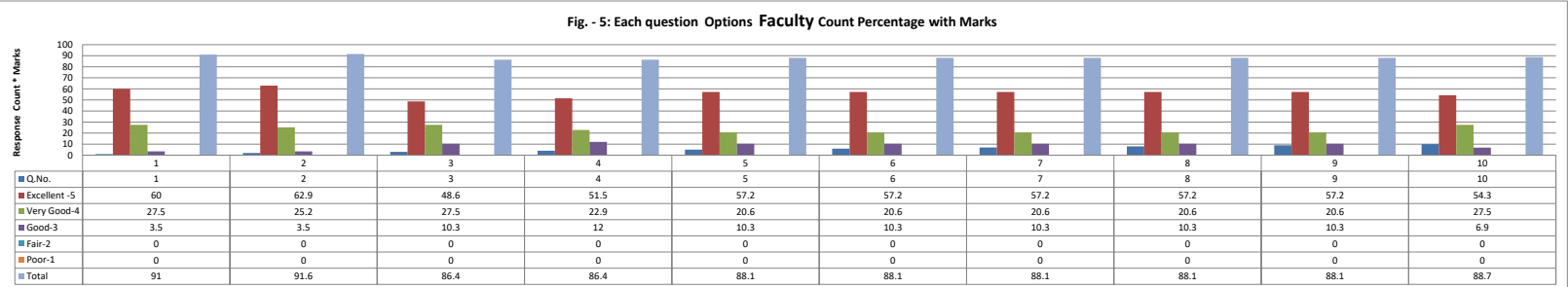
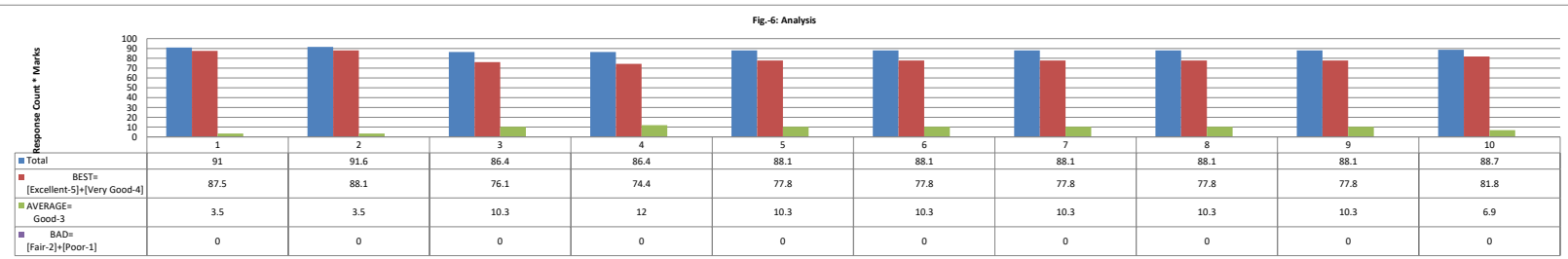


Fig. - 5: Each question Options Faculty Count Percentage with Marks

[illegible]

**PART-E**

**Top Positive Feedback Questions and Action Taken on Top Negative Feedback Questions**

Positive Feedback Questions: Threshold:- Positive: Total > 85 & BEST>75 & AVERAGE < 10 & BAD < 5;		
Sl.No.	Q.No.	Question
P_1	5	The learning outcomes of the curriculum are of local, national and global standard.
P_2	6	The pre-requisite courses are appropriate for this course.
P_3	7	The students attain the POs, COs and PSO's satisfactorily.
P_4	8	The curriculum has the potential in developing the habit of self learning among the students.

Negative Feedback Questions: Threshold:- Negative: Total <65 / BEST<55 / AVERAGE>10 / BAD >5;		
Sl.No.	Q.No.	Question
N_1		NIL
N_2		
N_3		

**Any other Recommendations / Suggestion(s) given by Academic Peers - Analysis and Action Taken**

Sl.No.	Faculty Details	Recommendations / Suggestion(s)	Analysis	Action Taken	Any other Remarks	Program	Specialization	DAC No.	Page No.	Date	BOS No.	Page No.
N_1			NIL									
N_2												
N_3												

**Any other Recommendations / Suggestion(s) given by Academic Peers**

Sl.No.	Faculty details	Recommendations/Suggestions	Analysis	Action Taken	Any other remarks	Department	Program	Specialization	DAC No.	Page NO.	Date
1	Dr. Sirsendu Ray, NIT Rourkela	Dr. Sirsendu Ray, NIT Rourkela, Suggested to incorporate Technical skills-1 for computing in 2023-2024 curriculum	Incorporating Technical skills-1 for computing into the 2023-2024 curriculum aims to enhance students' foundational technical competencies and prepare them for advanced studies and professional demands in the field.	Technical skills-1 (Coding) have been incorporated to 2023-24 admitted batch approved by BOS and eventually recommended to Academic council.		BT	B.TECH	BT	XXXVI	2	29/06/2023

PART - A

Q.No.	Excellent	Very Good	Good	Fair	Poor	Total
1	160	60	68	0	0	288
2	170	58	60	0	0	288
3	182	60	46	0	0	288
4	188	50	50	0	0	288
5	200	60	28	0	0	288
6	247	35	6	0	0	288
7	257	15	16	0	0	288
8	249	18	21	0	0	288
9	162	50	76	0	0	288
10	161	51	76	0	0	288
AVERAGE	197.6	45.7	44.7	0	0	288

Feedback Average Out of 5 Scale	4.54
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PART - B

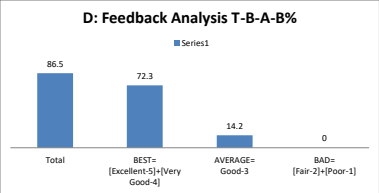
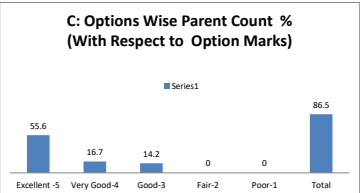
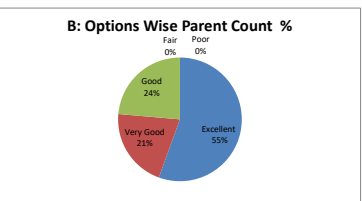
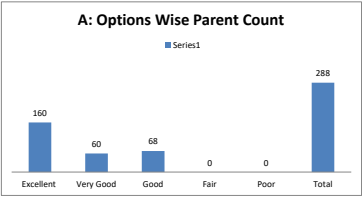
Questions and Options

Each Question Feedback Average out of 5 Scale						
Q.NO.1	How do you rate the program that your ward is undergoing in terms of the load of the courses in different semesters?					4.32
OPTIONS	Excellent	Very Good	Good	Average	Poor	
Q.NO.2	How do you rate the availability of the Text and reference books in the Market?					4.39
OPTIONS	Excellent	Very Good	Good	Average	Poor	
Q.NO.3	How do you rate the quality and relevance of the courses included into the semester?					4.48
OPTIONS	Excellent	Very Good	Good	Average	Poor	
Q.NO.4	How do you rate the treatment of the students by the faculty irrespective of the background of the student that includes Gender, cast,					4.48
OPTIONS	Excellent	Very Good	Good	Average	Poor	
Q.NO.5	How do you rate ambience of the KLEF for effective delivery of the academic programs?					4.6
OPTIONS	Excellent	Very Good	Good	Average	Poor	
Q.NO.6	How do you rate the courses in terms of their relevance to the latest technologies or future technologies?					4.84
OPTIONS	Excellent	Very Good	Good	Average	Poor	
Q.NO.7	How do you rate the programs based on the comfort of your ward in coping with the workload?					4.84
OPTIONS	Excellent	Very Good	Good	Average	Poor	
Q.No.8	How do you rate the quality of teaching in the KLEF?					4.8
OPTIONS	Excellent	Very Good	Good	Average	Poor	
Q.No.9	How do you rate the outcomes that your ward has achieved from the courses					4.3
OPTIONS	Excellent	Very Good	Good	Average	Poor	
Q.No.10	How do you rate the transparency of the evaluation system in the KLEF?					4.3
OPTIONS	Excellent	Very Good	Good	Average	Poor	

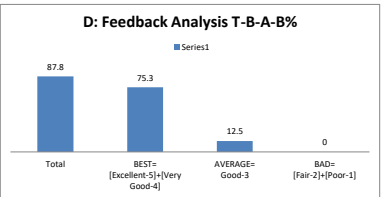
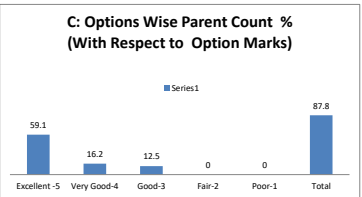
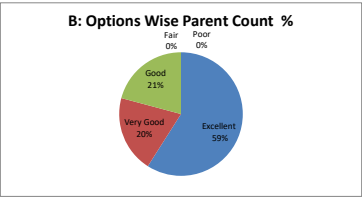
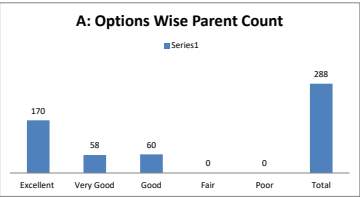
PART - C

Question Wise Analysis

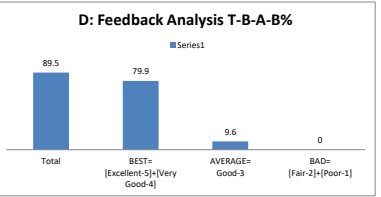
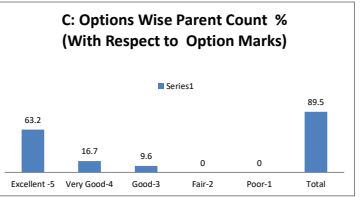
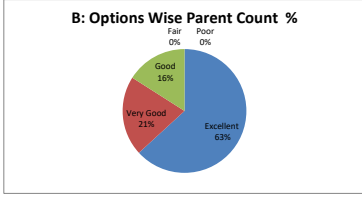
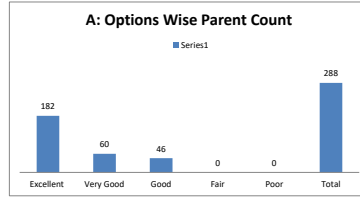
Q.NO.1	How do you rate the program that your ward is undergoing in terms of the load of the courses in different semesters?					
OPTIONS	A	B	C	D	E	Parents
	Excellent	Very Good	Good	Average	Poor	
RESULT	160	60	68	0	0	288
	Excellent	Very Good	Good	Fair	Poor	Total



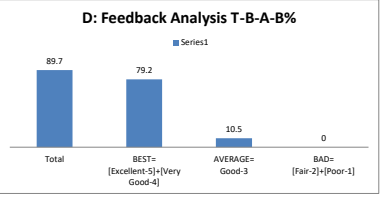
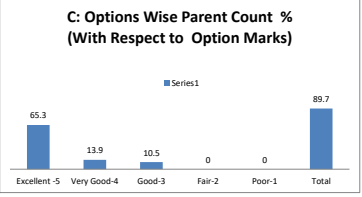
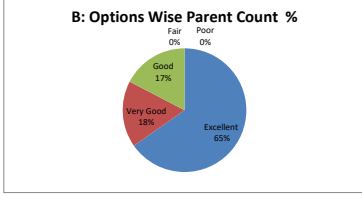
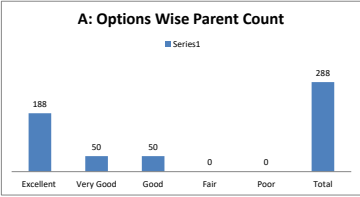
Q.NO.2	How do you rate the availability of the Text and reference books in the Market?					
OPTIONS	A	B	C	D	E	Parents
	Excellent	Very Good	Good	Average	Poor	
RESULT	170	58	60	0	0	288
	Excellent	Very Good	Good	Fair	Poor	Total



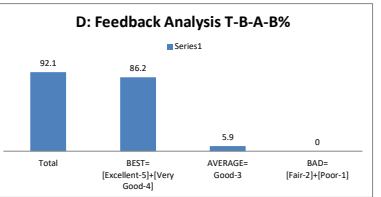
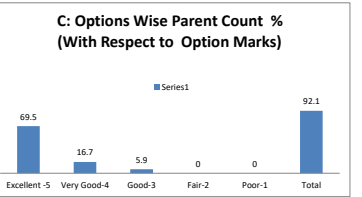
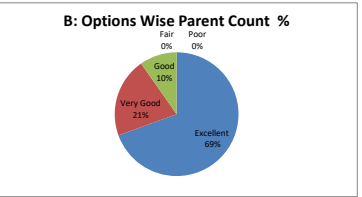
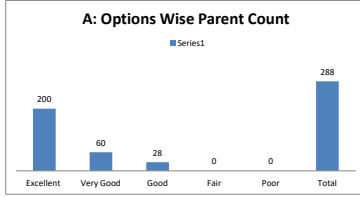
Q.NO.3	How do you rate the quality and relevance of the courses included into the semester?					
OPTIONS	A	B	C	D	E	Parents
	Excellent	Very Good	Good	Average	Poor	
RESULT	182	60	46	0	0	288
	Excellent	Very Good	Good	Fair	Poor	Total



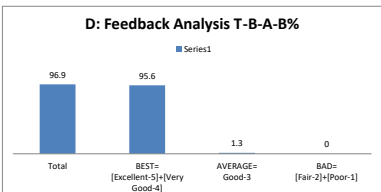
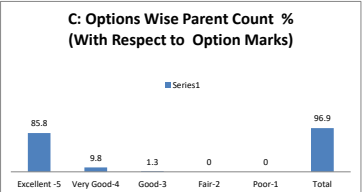
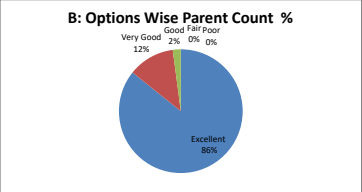
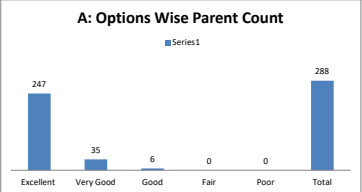
Q.NO.4	Is the treatment of the students by the faculty irrespective of the background of the student that includes Gender, cast, community creed etc. in teaching					
OPTIONS	A	B	C	D	E	Parents
	Excellent	Very Good	Good	Average	Poor	
RESULT	188	50	50	0	0	288
	Excellent	Very Good	Good	Fair	Poor	Total



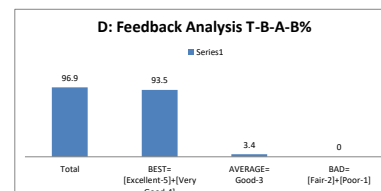
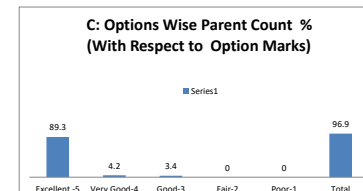
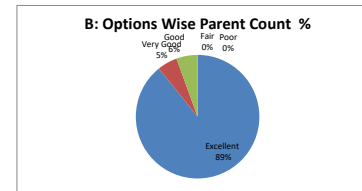
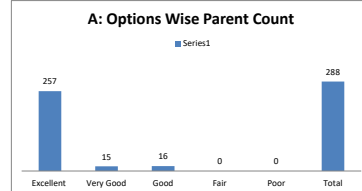
Q.NO.5	How do you rate ambience of the KLEF for effective delivery of the academic programs?					
OPTIONS	A	B	C	D	E	Parents
	Excellent	Very Good	Good	Average	Poor	
RESULT	200	60	28	0	0	288
	Excellent	Very Good	Good	Fair	Poor	Total



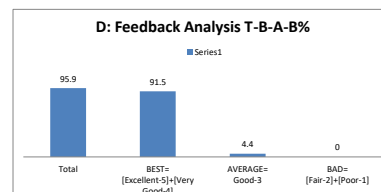
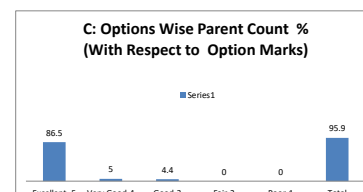
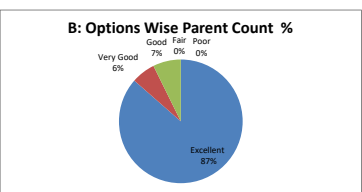
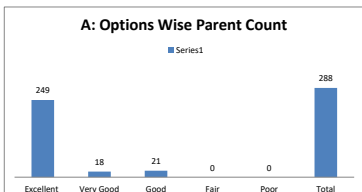
Q.NO.6	How do you rate the courses in terms of their relevance to the latest technologies or future technologies?					
OPTIONS	A	B	C	D	E	Parents
	Excellent	Very Good	Good	Average	Poor	
RESULT	247	35	6	0	0	288
	Excellent	Very Good	Good	Fair	Poor	Total



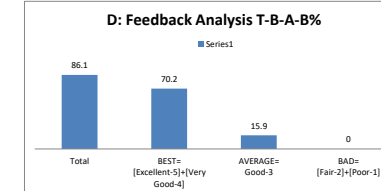
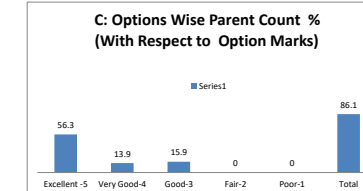
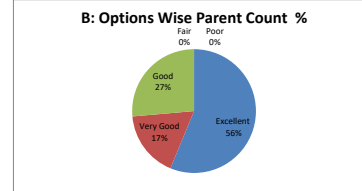
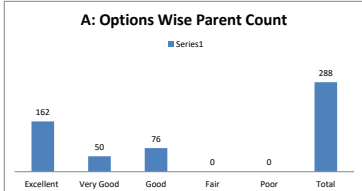
Q.NO.7	How do you rate the programs based on the comfort of your ward in coping with the workload?					
OPTIONS	A	B	C	D	E	Parents
	Excellent	Very Good	Good	Average	Poor	
RESULT	257	15	16	0	0	288
	Excellent	Very Good	Good	Fair	Poor	Total



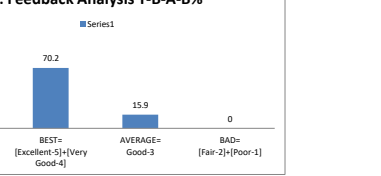
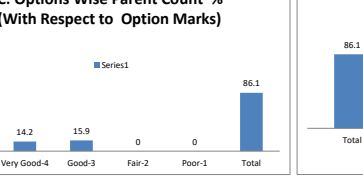
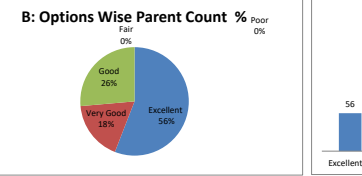
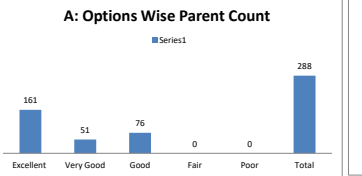
Q.No.8	How do you rate the quality of teaching in the KLEF?					
OPTIONS	A	B	C	D	E	Parents
	Excellent	Very Good	Good	Average	Poor	
RESULT	249	18	21	0	0	288
	Excellent	Very Good	Good	Fair	Poor	Total



Q.No.9	How do you rate the outcomes that your ward has achieved from the courses					
OPTIONS	A	B	C	D	E	Parents
	Excellent	Very Good	Good	Average	Poor	
RESULT	162	50	76	0	0	288
	Excellent	Very Good	Good	Fair	Poor	Total

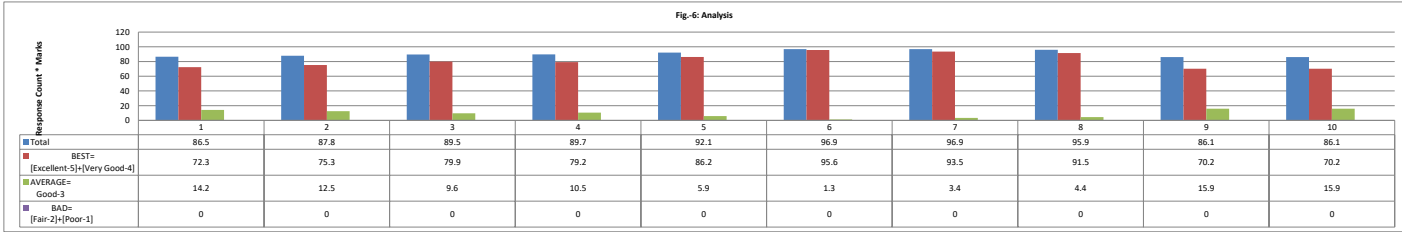
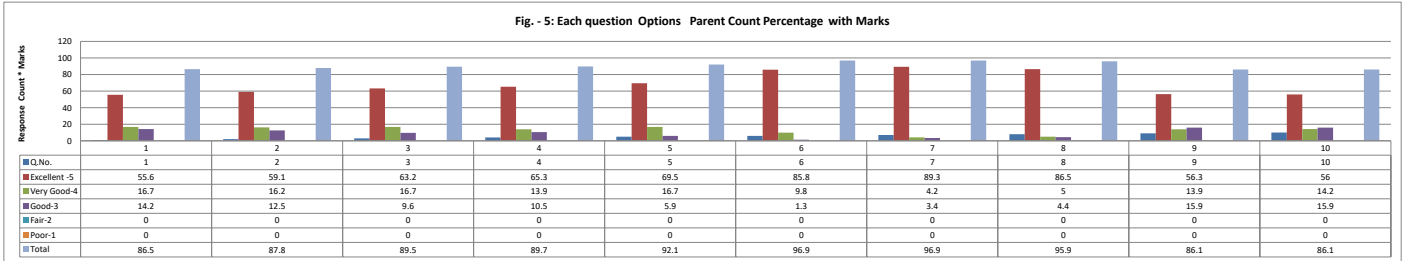
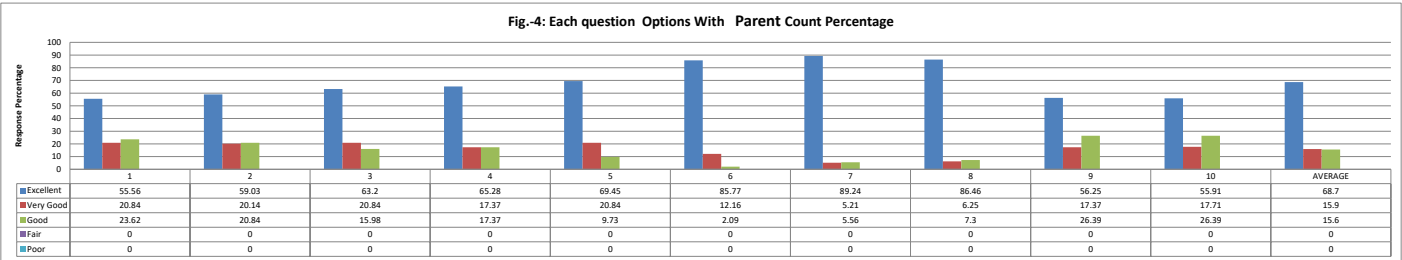
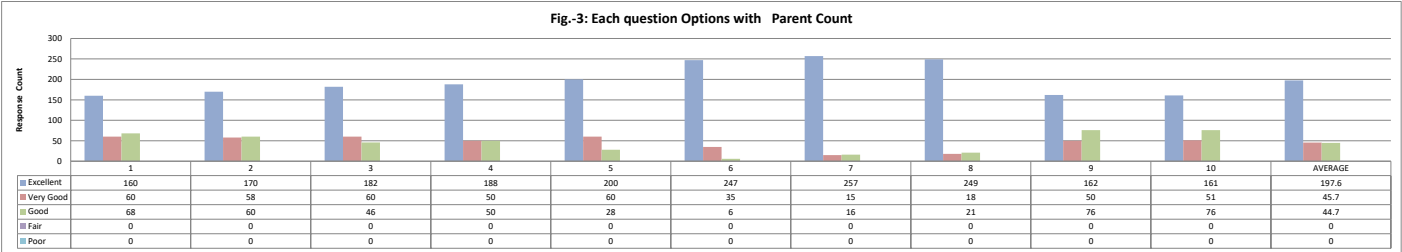
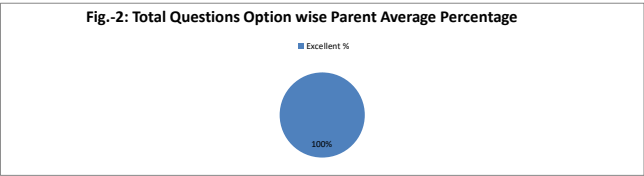
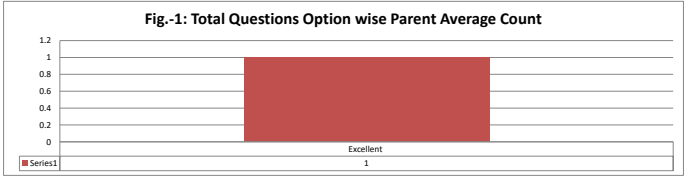


Q.No.10	How do you rate the transparency of the evaluation system in the KLEF?					
OPTIONS	A	B	C	D	E	Parents
	Excellent	Very Good	Good	Average	Poor	
RESULT	161	51	76	0	0	288
	Excellent	Very Good	Good	Fair	Poor	Total



PART - D

Parent Feedback on Curriculum Analysis Overall Analysis





**PART-E**
**Top Positive Feedback Questions and Action Taken on Top Negative Feedback Questions**

Positive Feedback Questions: Threshold:- Positive: Total &gt; 85 &amp; BEST&gt;75 &amp; AVERAGE &lt; 10 &amp; BAD &lt; 5;

S/N o.	Q.No.	Question
P_1	6	How do you rate the courses in terms of their relevance to the latest technologies or future technologies?
P_2	7	How do you rate the programs based on the comfort of your ward in coping with the workload?

Negative Feedback Questions: Threshold:- Negative: Total &lt;65 / BEST &lt;55 / AVERAGE&gt;10 / BAD &gt;5;


S/N o.	Q.No.	Question
N_1		NIL
N_2		
N_3		

Action Taken on Negative Feedback Questions:

S/N o.	Q.No.	Analysis	Action Taken	DAC	Date
N_1		NIL			
N_2					
N_3					

Any other Recommendations / Suggestion(s) given by Academic Peers

S/N o.	Parent details	Recommendation/Suggestion (s)	Analysis	Action Taken	Another remarks	Department	Program	Specialization	DAC No.	PAGE NO	Date
1	Mr. Satyanarayana Rao	Mr. Satyanarayana Rao, Telangana, Advised to include isotopic techniques in Bio analytical Techniques	Incorporating isotopic techniques enhances precision and depth in bioanalytical methods, revolutionizing research and enabling more accurate insights into biological processes.	Suggested topics have been incorporated in Bio analytical Techniques approved by BOS and eventually recommended to Academic council.		BT	B.TECH	BT	XXXVI	5	29/06/2023
2	Mrs. Sravanthi Naidu	Ms. Sravanthi Naidu, Vijayawada, Suggested to add concepts such as Media optimization techniques in Fermentation Technology	Integrating media optimization techniques enhances fermentation technology's efficiency and productivity, optimizing nutrient utilization and improving yield.	Suggested topics have been incorporated in Fermentation Technology approved by BOS and eventually recommended to Academic council.		BT	B.TECH	BT	XXXVI	5	29/06/2023

  
**Head**  
**Department of Biotechnology**  
**Koneru Lakshmaiah Education Foundation**  
**(Deemed to be University)**  
**VADESWARAM, Guntur Dt.**

Department of Biotechnology  
Koneru Lakshmaiah Education Foundation  
(K L Deemed to be University)  
Academic Peers 2023-2024

**Academic Peers Feedback on Curriculum Analysis Report**

Academic Year: 2023-2024  
Semester - ODD

**PART - A**

Q.No.	Excellent	Very Good	Good	Fair	Poor	Total
1	60	15	20	0	0	95
2	67	12	16	0	0	95
3	55	17	23	0	0	95
4	65	14	16	0	0	95
5	59	17	19	0	0	95
6	62	17	16	0	0	95
7	59	17	19	0	0	95
8	58	17	20	0	0	95
9	63	12	20	0	0	95
10	55	20	20	0	0	95
11	58	15	22	0	0	95
12	65	12	18	0	0	95
13	55	15	25	0	0	95
14	65	12	18	0	0	95
15	59	15	21	0	0	95
16	62	15	18	0	0	95
17	59	15	21	0	0	95
18	58	15	22	0	0	95
19	62	13	20	0	0	95
20	55	20	20	0	0	95
AVERAGE	60.05	15.25	19.7	0	0	95

**Feedback Average Out of 5 Scale**

**4.43**

## PART - B

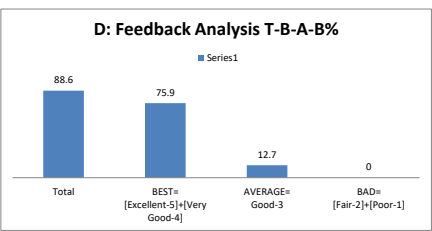
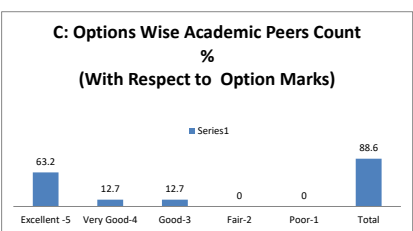
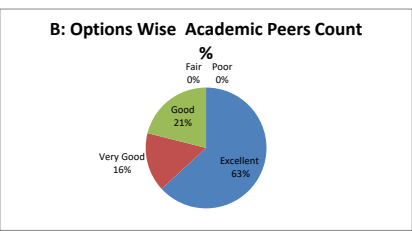
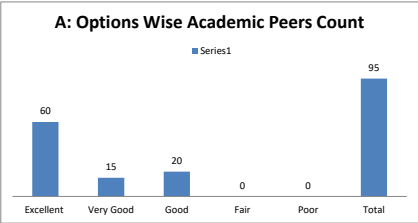
### Questions and Options

Each Question Feedback Average out of 5 Scale						
Q.NO.1	How do you rate the sequence of the Courses provided in the curriculum?					4.43
OPTIONS	Excellent	Very Good	Good	Average	Poor	
Q.NO.2	How do you rate the syllabus of the courses in relation to the competencies expected out of the course?					4.54
OPTIONS	Excellent	Very Good	Good	Average	Poor	
Q.NO.3	How do you rate the structure framed for entire program?					4.34
OPTIONS	Excellent	Very Good	Good	Average	Poor	
Q.NO.4	How do you rate the sequence of the units in the course?					4.52
OPTIONS	Excellent	Very Good	Good	Average	Poor	
Q.NO.5	How do you rate the allocation of the credits to the courses?					4.43
OPTIONS	Excellent	Very Good	Good	Average	Poor	
Q.NO.6	How do you rate the distribution of the contact hours among the course components (L-T-P)?					4.49
OPTIONS	Excellent	Very Good	Good	Average	Poor	
Q.NO.7	How do you rate the offering of the electives in terms of their relevance to the specialization stream?					4.43
OPTIONS	Excellent	Very Good	Good	Average	Poor	
Q.NO.8	How do you rate the electives offered in relation to the Technological advancements?					4.4
OPTIONS	Excellent	Very Good	Good	Average	Poor	
Q.No.9	How do you rate the relevance of the Text Books and reference books by their International recognition?					4.46
OPTIONS	Excellent	Very Good	Good	Average	Poor	
Q.NO.10	How do you rate the sequence of the Courses that you have studied are in sequence to what you have to study?					4.37
OPTIONS	Excellent	Very Good	Good	Average	Poor	
Q.NO.11	Rate the Size of syllabus in terms of the load on the student					4.38
OPTIONS	Excellent	Very Good	Good	Average	Poor	
Q.NO.12	Rate the courses in terms of extra learning or self learning considering the design of the courses					4.5
OPTIONS	Excellent	Very Good	Good	Average	Poor	
Q.NO.13	Rate the courses in terms of sequence of offering considering whether the preceding courses have been completed?					4.32
OPTIONS	Excellent	Very Good	Good	Average	Poor	
Q.NO.14	How do you Rate the loading of the courses in a semester?					4.5
OPTIONS	Excellent	Very Good	Good	Average	Poor	
Q.NO.15	How do you rate the evaluation scheme designed for each of the course?					4.4
OPTIONS	Excellent	Very Good	Good	Average	Poor	
Q.NO.16	How do you rate the objectives stated for each of the course?					4.47
OPTIONS	Excellent	Very Good	Good	Average	Poor	
Q.NO.17	How do you rate competencies expected out of the course?					4.4
OPTIONS	Excellent	Very Good	Good	Average	Poor	
Q.NO.18	How do you rate the composition of the courses in terms of Basic science, Engineering science, Humanities and Social Science?					4.38
OPTIONS	Excellent	Very Good	Good	Average	Poor	
Q.NO.19	How do you rate the percentage of courses having LAB components?					4.45
OPTIONS	Excellent	Very Good	Good	Average	Poor	
Q.NO.20	How do you rate the domain used for designing the experiments for the LAB components?					4.37
OPTIONS	Excellent	Very Good	Good	Average	Poor	

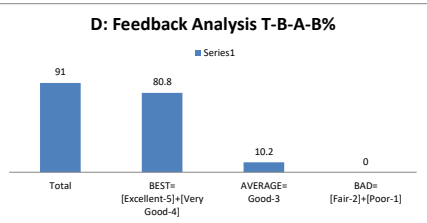
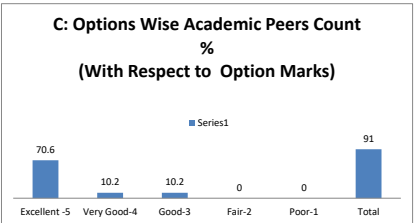
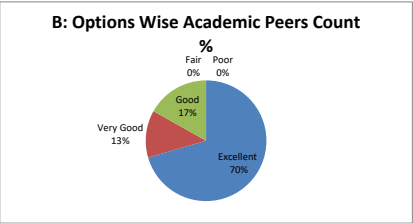
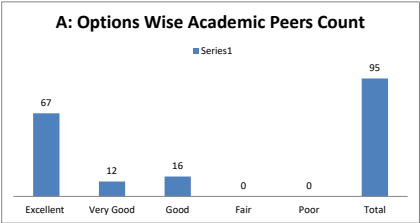
PART - C

Question Wise Analysis

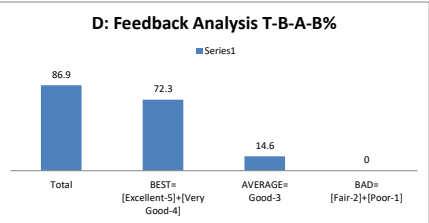
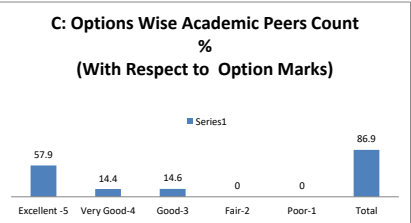
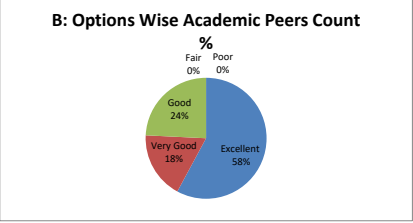
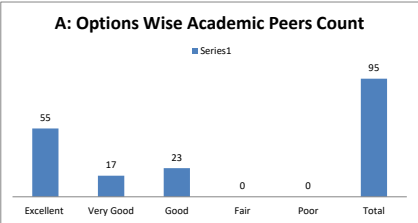
Q.NO.1	How do you rate the sequence of the Courses provided in the curriculum?					
OPTIONS	A	B	C	D	E	Academic Peers
	Excellent	Very Good	Good	Average	Poor	
RESULT	60	15	20	0	0	95
	Excellent	Very Good	Good	Fair	Poor	Total



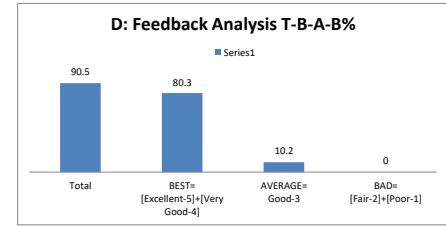
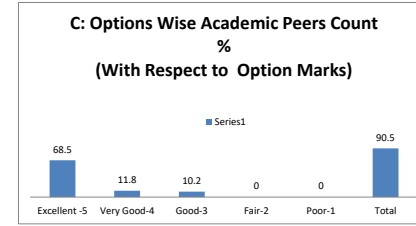
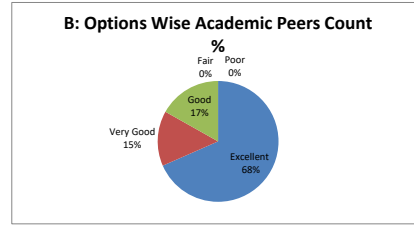
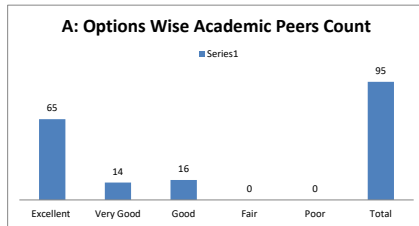
Q.NO.2	How do you rate the syllabus of the courses in relation to the competencies expected out of the course?					
OPTIONS	A	B	C	D	E	Academic Peers
	Excellent	Very Good	Good	Average	Poor	
RESULT	67	12	16	0	0	95
	Excellent	Very Good	Good	Fair	Poor	Total



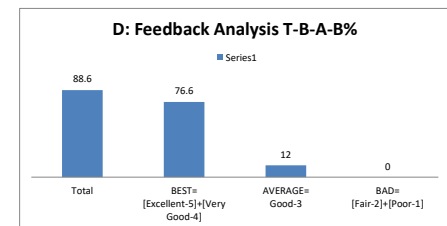
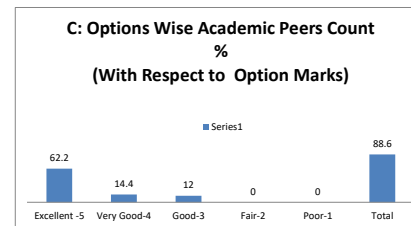
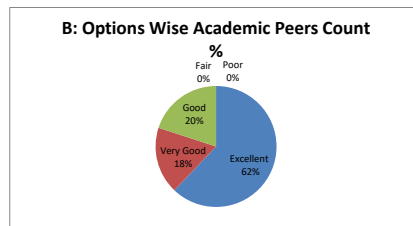
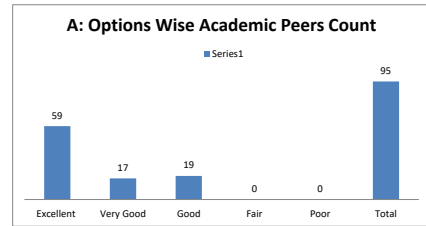
Q.NO.3	How do you rate the structure framed for entire program?					
OPTIONS	A	B	C	D	E	Academic Peers
	Excellent	Very Good	Good	Average	Poor	
RESULT	55	17	23	0	0	95
	Excellent	Very Good	Good	Fair	Poor	Total



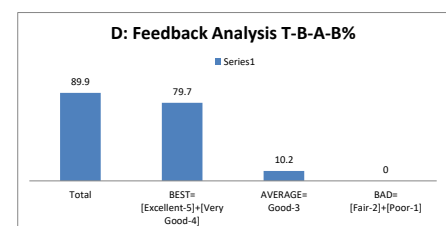
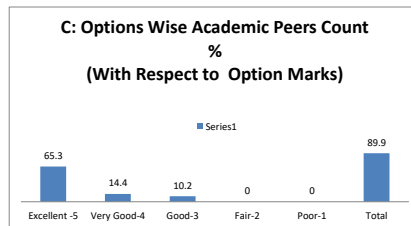
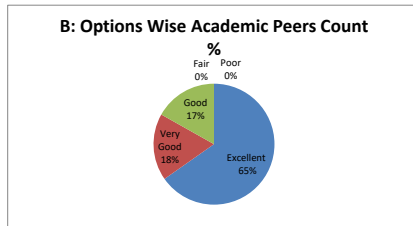
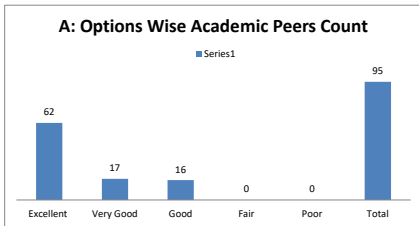
Q.NO.4	How do you rate the sequence of the units in the course?					
OPTIONS	A	B	C	D	E	Academic Peers
	Excellent	Very Good	Good	Average	Poor	
RESULT	65	14	16	0	0	95
	Excellent	Very Good	Good	Fair	Poor	Total



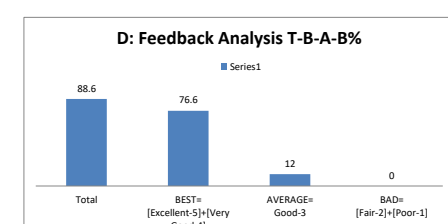
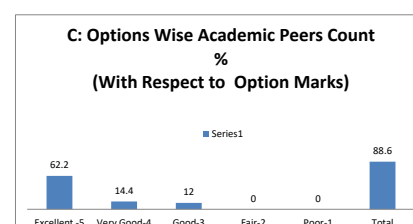
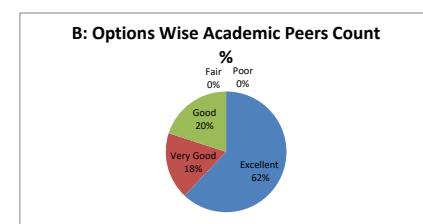
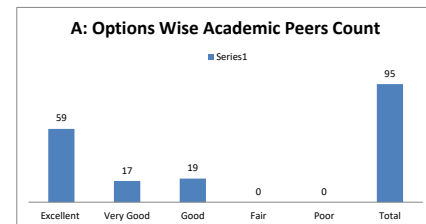
Q.NO.5	How do you rate the allocation of the credits to the courses?					
OPTIONS	A	B	C	D	E	Academic Peers
	Excellent	Very Good	Good	Average	Poor	
RESULT	59	17	19	0	0	95
	Excellent	Very Good	Good	Fair	Poor	Total



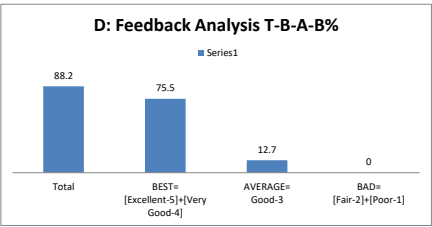
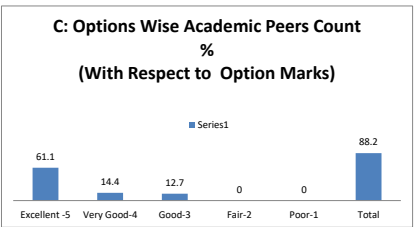
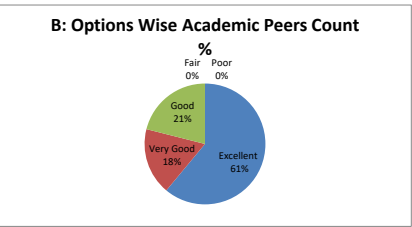
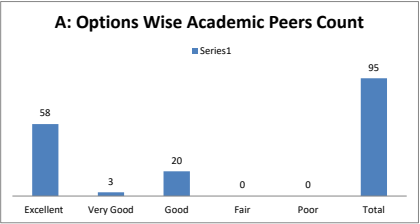
Q.NO.6	How do you rate the distribution of the contact hours among the course components (L-T-P)?					
OPTIONS	A	B	C	D	E	Academic Peers
	Excellent	Very Good	Good	Average	Poor	
RESULT	62	17	16	0	0	95
	Excellent	Very Good	Good	Fair	Poor	Total



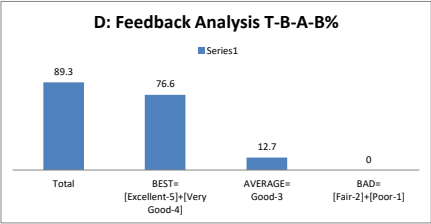
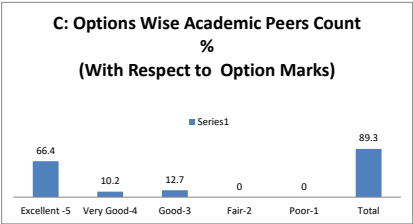
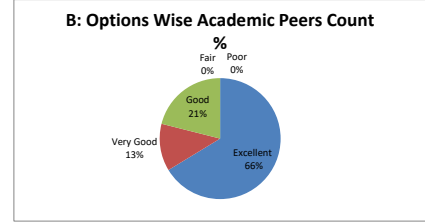
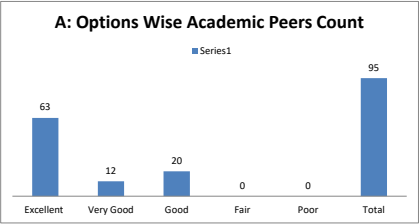
Q.NO.7	How do you rate the offering of the electives in terms of their relevance to the specialization streams?					
OPTIONS	A	B	C	D	E	Academic Peers
	Excellent	Very Good	Good	Average	Poor	
RESULT	59	17	19	0	0	95
	Excellent	Very Good	Good	Fair	Poor	Total



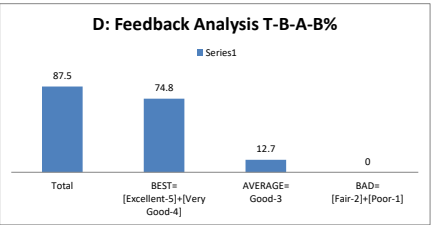
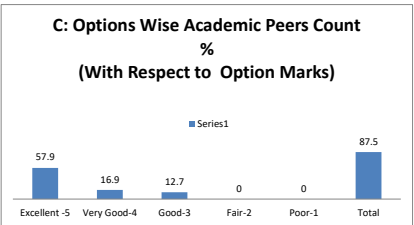
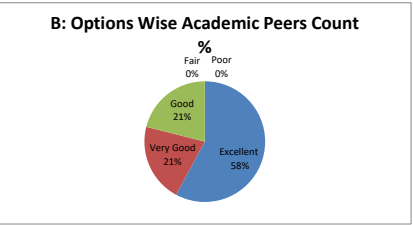
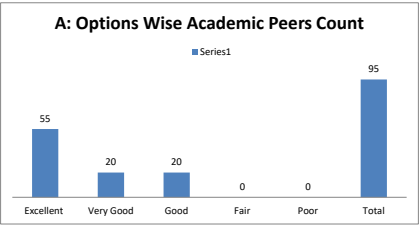
Q.NO.8	How do you rate the electives offered in relation to the Technological advancements?					
OPTIONS	A	B	C	D	E	Academic Peers
	Excellent	Very Good	Good	Average	Poor	
RESULT	58	3	20	0	0	95
	Excellent	Very Good	Good	Fair	Poor	Total



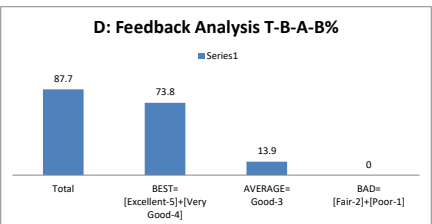
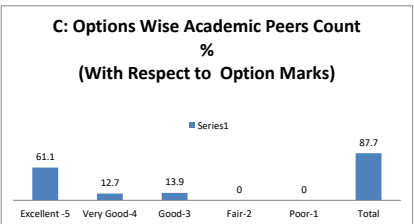
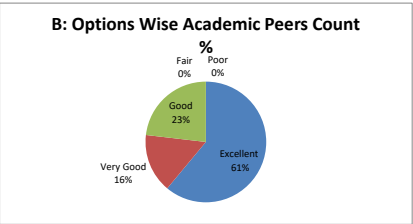
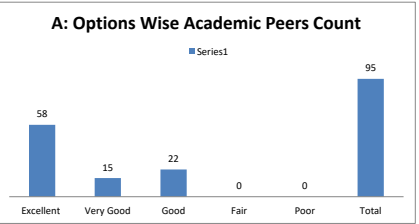
Q.No.9	How do you rate the relevance of the Text Books and reference books by their International recognition to the Courses?					
OPTIONS	A	B	C	D	E	Academic Peers
	Excellent	Very Good	Good	Average	Poor	
RESULT	63	12	20	0	0	95
	Excellent	Very Good	Good	Fair	Poor	Total



Q.NO.10	How do you rate the sequence of the Courses that you have studied are in sequence to what you have studied in the previous semester?					
OPTIONS	A	B	C	D	E	Academic Peers
	Excellent	Very Good	Good	Average	Poor	
RESULT	55	20	20	0	0	95
	Excellent	Very Good	Good	Fair	Poor	Total

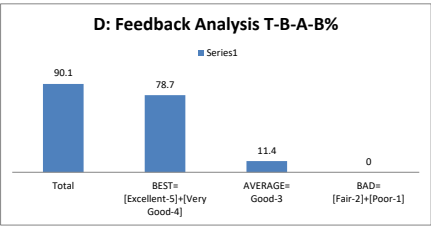
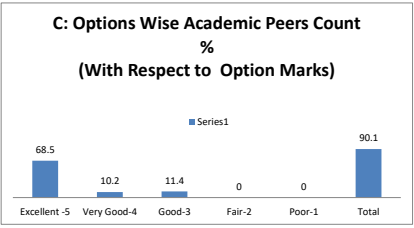
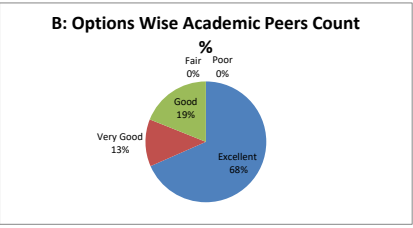
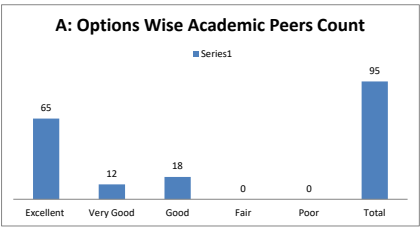


Q.NO.11	Rate the Size of syllabus in terms of the load on the student					
OPTIONS	A	B	C	D	E	Academic Peers
	Excellent	Very Good	Good	Average	Poor	
RESULT	58	15	22	0	0	95
	Excellent	Very Good	Good	Fair	Poor	Total

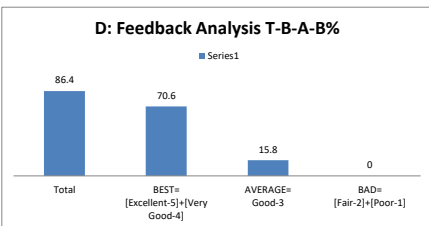
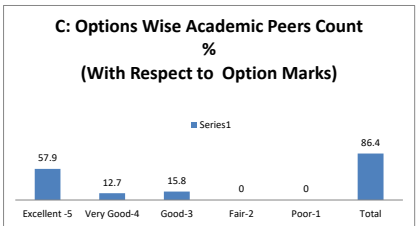
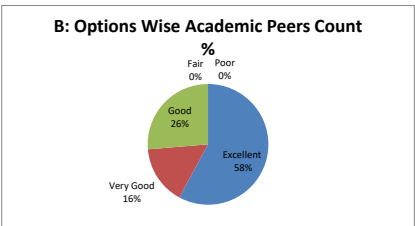
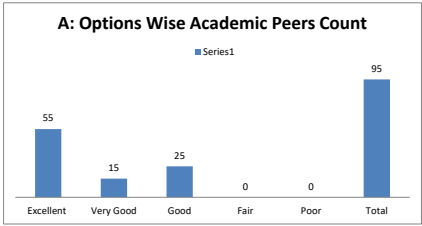




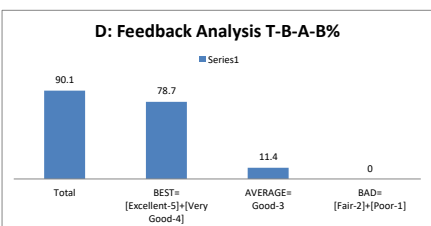
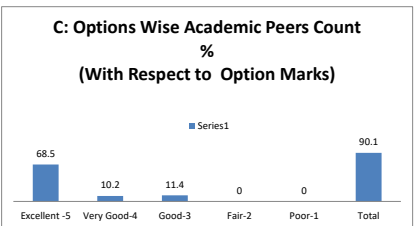
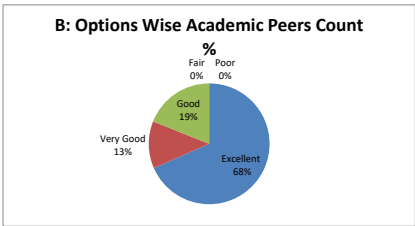
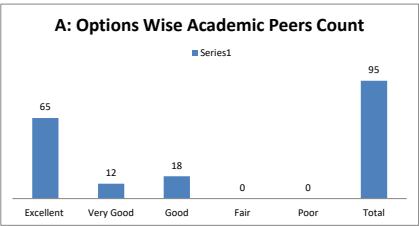
Q.NO.12	Rate the courses in terms of extra learning or self learning considering the design of the courses					
OPTIONS	A	B	C	D	E	Academic Peers
	Excellent	Very Good	Good	Average	Poor	
RESULT	65	12	18	0	0	95
	Excellent	Very Good	Good	Fair	Poor	Total



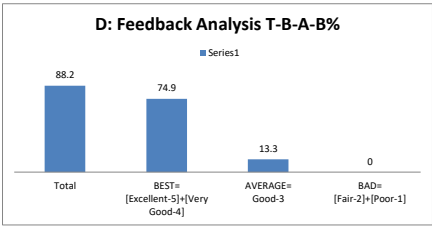
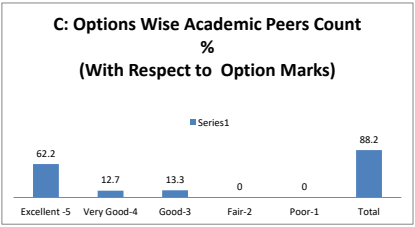
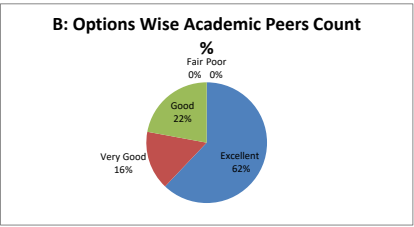
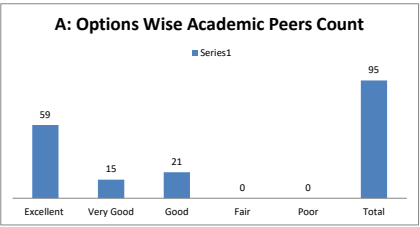
Q.NO.13	Rate the courses in terms of sequence of offering considering whether the preceding courses have been covered.					
OPTIONS	A	B	C	D	E	Academic Peers
	Excellent	Very Good	Good	Average	Poor	
RESULT	55	15	25	0	0	95
	Excellent	Very Good	Good	Fair	Poor	Total



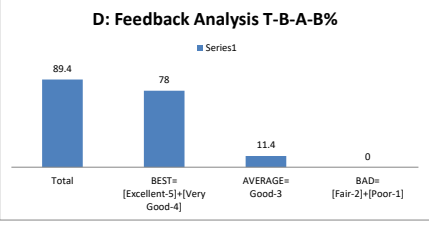
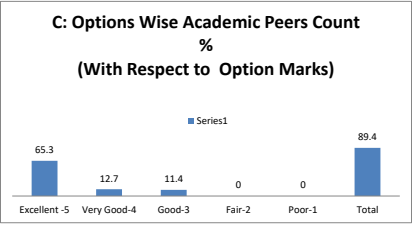
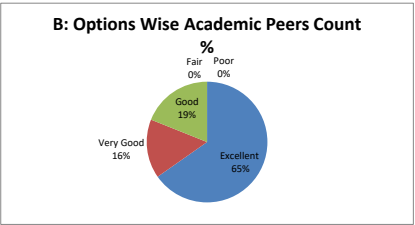
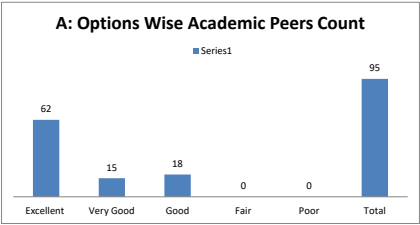
Q.NO.14	How do you Rate the loading of the courses in a semester?					
OPTIONS	A	B	C	D	E	Academic Peers
	Excellent	Very Good	Good	Average	Poor	
RESULT	65	12	18	0	0	95
	Excellent	Very Good	Good	Fair	Poor	Total



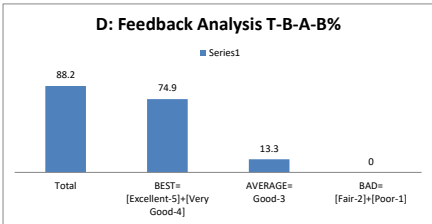
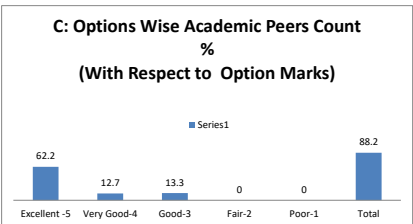
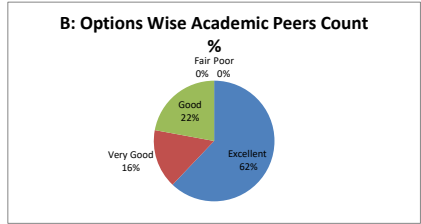
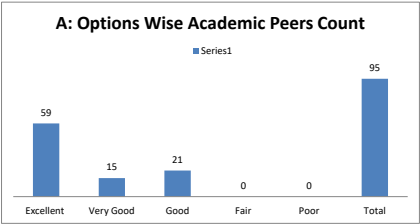
Q.NO.15	How do you rate the evaluation scheme designed for each of the course?					
OPTIONS	A	B	C	D	E	Academic Peers
	Excellent	Very Good	Good	Average	Poor	
RESULT	59	15	21	0	0	95
	Excellent	Very Good	Good	Fair	Poor	Total



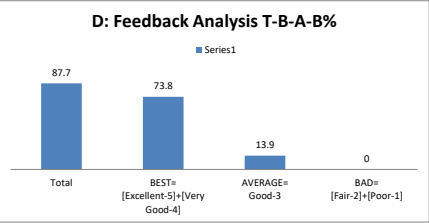
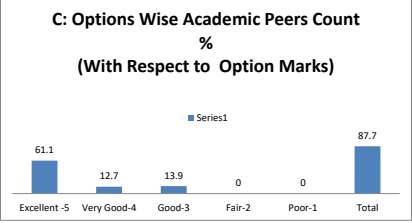
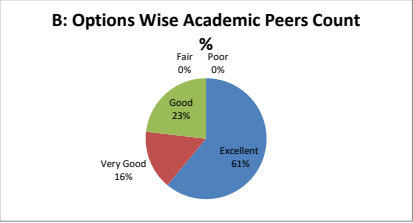
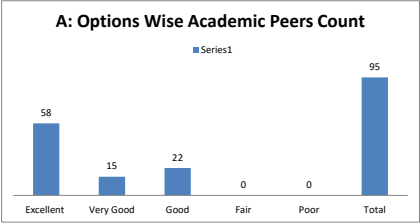
Q.NO.16	How do you rate the objectives stated for each of the course?					
OPTIONS	A	B	C	D	E	Academic Peers
	Excellent	Very Good	Good	Average	Poor	
RESULT	62	15	18	0	0	95
	Excellent	Very Good	Good	Fair	Poor	Total



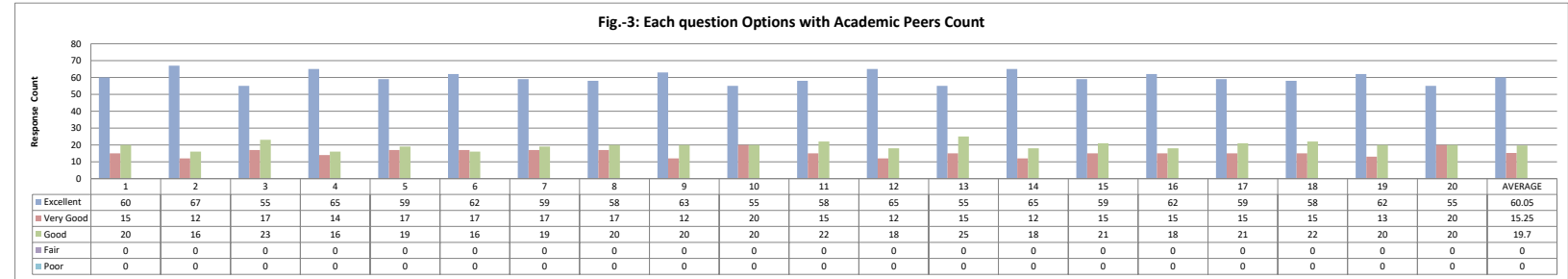
Q.NO.17	How do you rate competencies expected out of the course?					
OPTIONS	A	B	C	D	E	Academic Peers
	Excellent	Very Good	Good	Average	Poor	
RESULT	59	15	21	0	0	95
	Excellent	Very Good	Good	Fair	Poor	Total



Q.NO.18	How do you rate the composition of the courses in terms of Basic science, Engineering science, Humanities, Discipline core, discipline elective, open elective, project etc.?					
OPTIONS	A	B	C	D	E	Academic Peers
	Excellent	Very Good	Good	Average	Poor	
RESULT	58	15	22	0	0	95
	Excellent	Very Good	Good	Fair	Poor	Total



Q.NO.19	How do you rate the percentage of courses having LAB components?					
OPTIONS	A	B	C	D	E	Academic Peers
	Excellent	Very Good	Good	Average	Poor	
RESULT	62	13	20	0	0	95
	Excellent	Very Good	Good	Fair	Poor	Total



[illegible]

Fig. - 5: Each question Options Academic Peers Count Percentage with Marks

[illegible]

# PART-E

## Top Positive Feedback Questions and Action Taken on Top Negative Feedback Questions

Positive Feedback Questions: Threshold:- Positive: Total > 85 & BEST>75 & AVERAGE < 10 & BAD < 5;

Sl.No.	Q.No.	Question
P_1	2	How do you rate the syllabus of the courses in relation to the competencies expected out of the course?
P_2	4	How do you rate the sequence of the units in the course?
P_3	12	Rate the courses in terms of extra learning or self-learning considering the design of the courses
P_4	14	How do you Rate the loading of the courses in a semester?

Negative Feedback Questions: Threshold:- Negative: Total <65 / BEST <55 / AVERAGE>10 / BAD >5;

Sl.No.	Q.No.	Question
N_1		
N_2		
N_3		NIL

Action Taken on Negative Feedback Questions:

Sl.No.	Q.No.	Analysis	Action Taken	Department	Prog	Specialization	DAC No	Page No.	Date
N_1									
N_2									
N_3			NIL						

Any other Recommendations / Suggestion(s) given by Academic Peers - Analysis and Action Taken

Sl.NO.	Academic Peers Details	Recommendations / Suggestion(s)	Analysis	Action Taken	Any other Remarks	Department	Program	Specialization	DAC NO.	Page No.	Date
1	Dr.Konda Reddy	Dr.Konda Reddy, Suggested to revise course name of Basic Mathematics.	Consider rebranding Basic Mathematics course to enhance its appeal and align better with the core content and target audience.	Resolved to modify as Mathematical methods and the same was approved by BoS and recommended to Academic council.		BT	B.TECH	BT	XXXVI	3	29/06/2023

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2	Dr. Sarda Prasanna	Dr. Sarda Prasanna, Suggested to include New skilling courses in 2023-2024 academic year.	Integrate new skilling courses into the 2023-2024 academic year to meet evolving industry demands and enhance students' employability.	Medical Laboratory Technology and Process Engineering Tools skilling courses has been floated from Y23 batch and the same was approved by BoS and recommended to Academic council.		BT	B.TECH	BT	XXXVI	3	29/06/2023
3	Dr. P. Sreenivasulu, NIT Warangal, Telangana, India	Dr. P. Sreenivasulu, NIT Warangal, Telangana, India, Suggested to include lab for Process Engineering principles and Microbial genetics should be added with lytic and lysogenic cycles.	Enhancing the curriculum with a dedicated lab for Process Engineering principles and integrating Microbial genetics, including lytic and lysogenic cycles, enriches hands-on learning and deepens understanding in biological processes.	Lab for PEP was included as per the suggestions received and the same was approved by BoS and recommended to Academic council.		BT	B.TECH	BT	XXXVI	3	29/06/2023

4.	Dr. Urmila Saxena, NIT Warangal	Dr. Urmila Saxena, NIT Warangal, Suggested to include more skill based experiments in practical component.	Encourage integration of skill-based experiments to enhance the practical component's efficacy and relevance	Increased the number of experiments in skilling related courses and the same was approved by BoS and recommended to Academic council.		BT	B.TECH	BT	XXXVI	3	29/06/2023
5	Dr. Krishna Pramanik, NIT Rourkela	Dr. Krishna Pramanik, NIT Rourkela, Increase the number of industrial visits and to add production cycles of amino acids and alcohols in Microbial Technology	Expanding industrial visits enhances practical learning, while augmenting production cycles of amino acids and alcohols in Microbial Technology fosters innovation and efficiency.	Suggested topics were added and number of industrial visits will be increased from 2 to 4 and the same was approved by BoS and recommended to Academic council.		BT	B.TECH	BT	XXXVI	3	29/06/2023
6	Dr. Sirsendu Ray, NIT Rourkela	Dr. Sirsendu Ray, NIT Rourkela, Transfusion products and RBC control of blood products can be added	Integration of transfusion products with enhanced RBC control promises optimized management and utilization of blood resources.	Suggested topics were added and the same was approved by BoS and recommended to Academic council.		BT	B.TECH	BT	XXXVI	3	29/06/2023
7	Dr. Amit Srivastava, IIT BHU, UP	Dr. Amit Srivastava, IIT BHU, UP, Recovery of ethanol, octane ring should be added in Bio resource Technology.	Integrating octane ring enhances ethanol recovery efficiency in Bio resource Technology, advancing biofuel production.	As per the suggestions, Suggested topics were added approved by BoS and eventually recommended to Academic council.		BT	B.TECH	BT	XXXVI	3	29/06/2023

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8	Dr. Suresh Chandra, Uttarakhand University	Dr. Suresh Chandra, Uttarakhand University, Concepts of capital cost, recombinant products can be add in Bioprocess Economics and Plant design.	Incorporating concepts of capital cost and recombinant products enhances efficiency and profitability in bioprocess economics and plant design through optimized resource allocation and value-added product development	Suggested topics were added approved by BoS and eventually recommended to Academic council.		BT	B.TECH	BT	XXX VI	3	29/06/2023
9	Dr. Ayan Sadhu khan, IIT Jodhpur, Rajasthan	Dr. Ayan Sadhu khan, IIT Jodhpur, Rajasthan, suggested to include introduction of skilling for plant based labs	Introducing skilling for plant-based labs enhances workforce versatility and sustainability in scientific research.	Skilling for Plant Biotechnology has been incorporated approved by BoS and eventually recommended to Academic council.		BT	B.TECH	BT	XXX VI	3	29/06/2023
10	Dr. Amjad Ali, NIT Patna	Dr. Amjad Ali, NIT Patna, Emerging techniques in food preservation should be added in Food technology course	Integration of emerging food preservation techniques into Food Technology courses fosters adaptability to evolving industry demands and enhances students' ability to address contemporary food safety and sustainability Challenges.	Suggested topics were added approved by BoS and eventually recommended to Academic council.		BT	B.TECH	BT	XXX VI	3	29/06/2023


11	Dr. Rakesh Naidu, NIT Tiruchirapalli	Dr. Rakesh Naidu, NIT Tiruchirapalli, Change of LTP structure for Indian Heritage Culture and Indian Constitution courses and these courses to be offered as Audited courses	Reforming the structure of Lecture- Tutorial-Practical (LTP) for Indian Heritage Culture and Indian Constitution courses to offer them as Audited courses reflects a strategic shift towards fostering deeper engagement and critical examination of India's rich cultural legacy and constitutional principles.	0-0-2 has been modified as 2-0-0, and resolved to offer as audited courses from Y18 regulation approved by BoS and eventually recommended to the Academic council.		BT	B.TECH	BT	XXX VI	3	29/06/2023
12	Dr. Pragyan Ranjan Rout, NIT Jalandhar	Dr. Pragyan Ranjan Rout, NIT Jalandhar Faculty recommended having choice in revision or modification of course outcomes and ETL levels in their respective courses	Empowering faculty with the autonomy to revise course outcomes and Bloom's Taxonomy levels promotes a dynamic and responsive learning environment tailored to student needs.	Resolved to have flexibility in change of course outcomes and BTL levels that can match with market potential.		BT	B.TECH	BT	XXX VI	3	29/06/2023

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13	Dr. Bhisham Narayan Singh	Dr. Bhisham Narayan Singh, MAHE, Karnataka, Suggested to include lab for Process Engineering principles and Microbial genetics should be added with lytic and lysogenic cycles.	Enhancing the curriculum by integrating a laboratory component for Process Engineering principles and incorporating Microbial genetics, encompassing both lytic and lysogenic cycles, for a comprehensive understanding of applied biological processes.	Lab for PEP was included as per the suggestions received and approved by BoS and eventually recommended to the Academic council.		BT	B.TECH	BT	XXX VI	3	29/06/2023
14	Dr. Mahesh Kumar Sah, NIT Jalandhar	Dr. Mahesh Kumar Sah, NIT Jalandhar, Conduction of more skill-based experiments	Increasing the conduction of skill-based experiments enhances practical proficiency and fosters hands-on learning experiences.	Increased the number of experiments in skilling-related courses approved by BoS and eventually recommended to the Academic council.		BT	B.TECH	BT	XXX VI	3	29/06/2023
15	Dr. Vijay Rajesh, NRI Medical College	Dr. Vijay Rajesh, NRI Medical College, Increase the number of industrial visits and added production cycles of amino acids and alcohols in Microbial Technology	Expanding industrial visits and production cycles enhances practical understanding and boosts output in Microbial Technology, particularly in amino acid and alcohol production.	Suggested topics were added and a number of industrial visits will be increased from 2 to 4 approved by BoS and eventually recommended to the Academic council.		BT	B.TECH	BT	XXX VI	3	29/06/2023
16	Dr. Lakshmi Prasuna, NIT Bhopal	Dr. Lakshmi Prasuna, NIT Bhopal, Transfusion products, and RBC control of blood products can be added	Transfusion products provide vital support in healthcare, with RBC control ensuring optimal quality and safety of blood-based therapies.	Suggested topics were added approved by BoS and eventually recommended to the Academic council.		BT	B.TECH	BT	XXX VI	3	29/06/2023
17	Dr. G. Siva Reddy, KLEF	Dr. G. Siva Reddy, KLEF, Recovery of ethanol, octane ring should be added in Bio resource Technology.	Enhancing ethanol recovery through the integration of octane ring augmentation in Bio resource Technology promises improved efficiency and sustainability in biofuel production.	As per the suggestions, topics were added approved by BoS. and eventually recommended to the Academic council.		BT	B.TECH	BT	XXX VI	3	29/06/2023

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18	Dr. G.Koteswara Reddy	Dr. G.Koteswara Reddy, KLEF, Concepts of capital cost, recombinant products can be added in Bioprocess Economics and Plant design	Incorporating capital costs and the potential for recombinant products in bioprocess economics and plant design enhances efficiency and competitiveness through optimized resource allocation and innovation-driven product diversification	Suggested topics were added approved by BoS and eventually recommended to the Academic council.		BT	B.TECH	BT	XXX VI	3	29/06/2023
19	Dr. K. Srinivasulu, KLEF	Dr. K. Srinivasulu, KLEF, Introduction of skilling for plant-based labs	Introducing plant-based labs heralds a transformative shift towards sustainable scientific practices, aligning research endeavors with environmental stewardship and ethical innovation.	Skilling for Plant Biotechnology has been incorporated and approved by BoS and eventually recommended to the Academic council.		BT	B.TECH	BT	XXX VI	3	29/06/2023
20	Dr. Vemuri Praveen, KL	Dr. Vemuri Praveen, KLEF, Emerging techniques in food preservation should be added to Food technology course	Integrating emerging techniques in food preservation enhances Food Technology courses by equipping students with innovative skills vital for addressing contemporary challenges in food safety and sustainability.	Suggested topics were added approved by BoS and eventually recommended to the Academic council.		BT	B.TECH	BT	XXX VI	3	29/06/2023

  
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**Alumni Feedback on Curriculum Analysis Report  
Academic Year: 2023-2024  
Semester - ODD**

**PART - A**

Q.No.	Excellent	Very Good	Good	Fair	Poor	Total
1	30	67	38	0	0	135
2	70	28	37	0	0	135
3	68	31	36	0	0	135
4	70	26	39	0	0	135
5	67	31	37	0	0	135
6	64	35	36	0	0	135
7	67	31	37	0	0	135
8	65	34	36	0	0	135
9	66	27	42	0	0	135
10	67	28	40	0	0	135
AVERAGE	63.4	33.8	37.8	0	0	135

**Feedback Average Out of 5 Scale**

**4.19**

**PART - B**

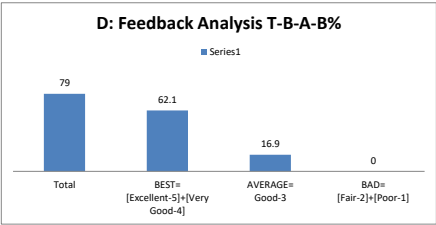
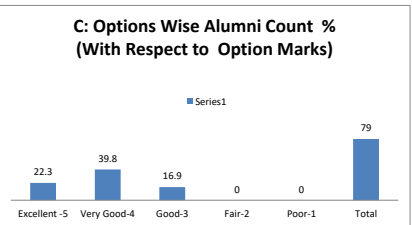
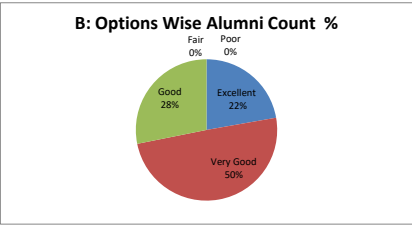
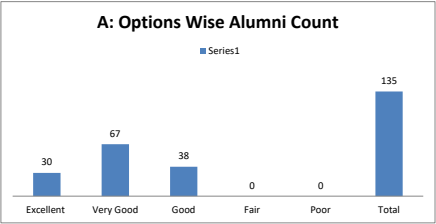
**Questions and Options**

Each Question Feedback Average out of 5 Scale						
Q.NO.1	How do you rate relevance of the courses in relation to the program?					3.95
OPTIONS	Excellent	Very Good	Good	Average	Poor	
Q.NO.2	How do you rate the sequence of the courses included into the programs?					4.25
OPTIONS	Excellent	Very Good	Good	Average	Poor	
Q.NO.3	How do you rate the competencies in relation to the course content?					4.24
OPTIONS	Excellent	Very Good	Good	Average	Poor	
Q.NO.4	How do rate the sequence of the topics in the units?					4.23
OPTIONS	Excellent	Very Good	Good	Average	Poor	
Q.NO.5	Rate the offering of the in relation to the specialization streams?					4.23
OPTIONS	Excellent	Very Good	Good	Average	Poor	
Q.NO.6	How do you rate the offering of the electives in relation to the Technological advancements?					4.21
OPTIONS	Excellent	Very Good	Good	Average	Poor	
Q.NO.7	How do you rate the courses which are skills related suiting to the Industry included into the programs?					4.23
OPTIONS	Excellent	Very Good	Good	Average	Poor	
Q.NO.8	How do you rate the domain used for designing the experiments in terms of the suitability of the Tools to the domain?					4.22
OPTIONS	Excellent	Very Good	Good	Average	Poor	
Q.NO.9	How do you rate the experiments in terms of their relevance to the real life application?					4.18
OPTIONS	Excellent	Very Good	Good	Average	Poor	
Q.NO.10	How do you rate the courses that you have learnt in relation to your current Job					4.2
OPTIONS	Excellent	Very Good	Good	Average	Poor	

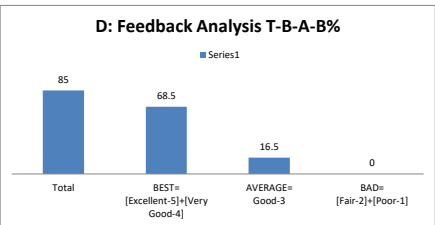
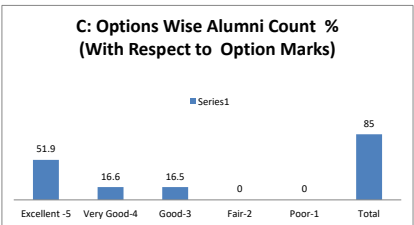
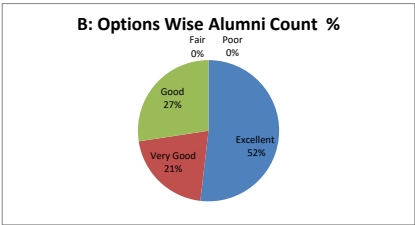
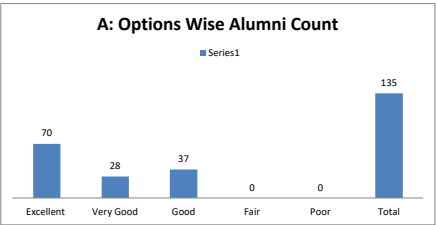
PART - C

Question Wise Analysis

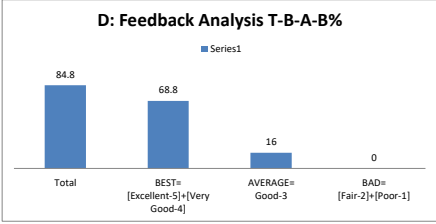
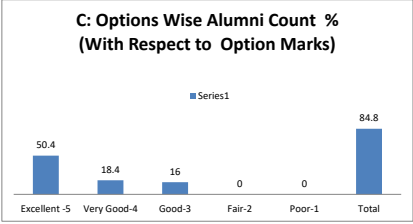
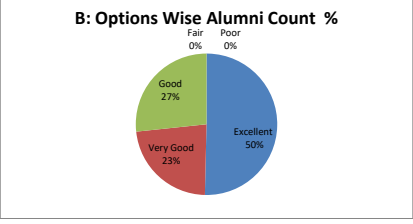
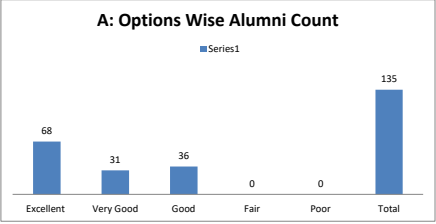
Q.NO.1	How do you rate relevance of the courses in relation to the program?					
OPTIONS	A	B	C	D	E	Alumini
	Excellent	Very Good	Good	Average	Poor	135
RESULT	30	67	38	0	0	135
	Excellent	Very Good	Good	Fair	Poor	Total



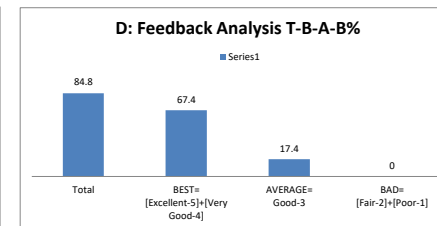
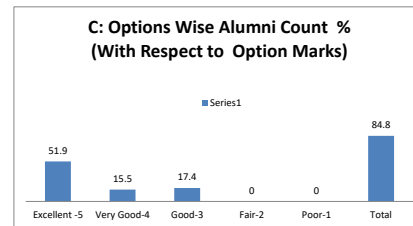
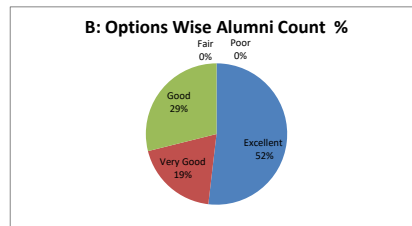
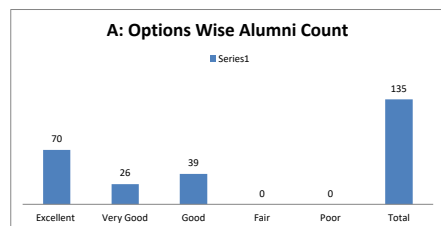
Q.NO.2	How do you rate the sequence of the courses included into the programs?					
OPTIONS	A	B	C	D	E	Alumini
	Excellent	Very Good	Good	Average	Poor	135
RESULT	70	28	37	0	0	135
	Excellent	Very Good	Good	Fair	Poor	Total



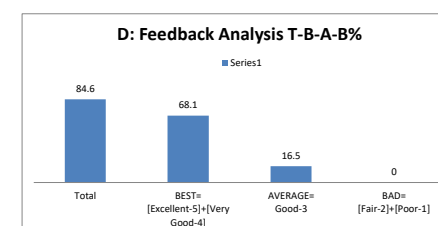
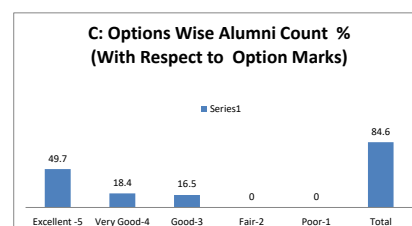
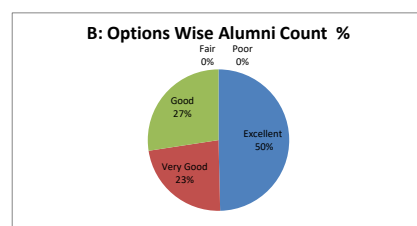
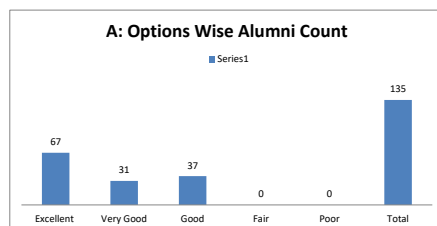
Q.NO.3	How do you rate the competencies in relation to the course content?					
OPTIONS	A	B	C	D	E	Alumini
	Excellent	Very Good	Good	Average	Poor	135
RESULT	68	31	36	0	0	135
	Excellent	Very Good	Good	Fair	Poor	Total



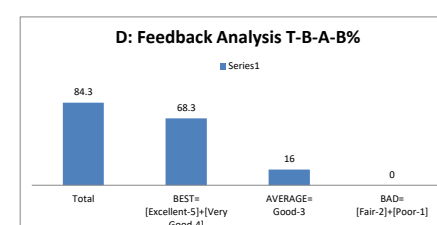
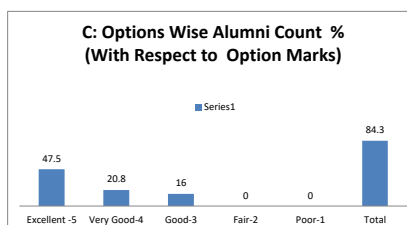
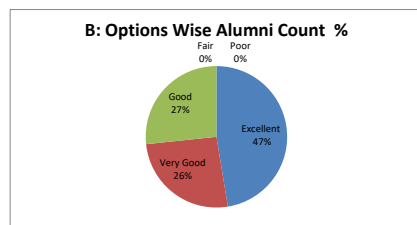
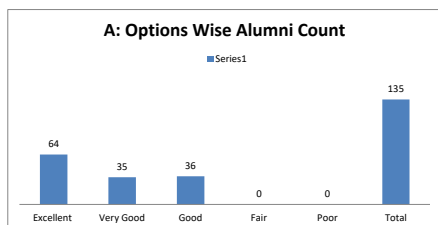
Q.NO.4	How do rate the sequence of the topics in the units?					
OPTIONS	A	B	C	D	E	Alumini
	Excellent	Very Good	Good	Average	Poor	135
RESULT	70	26	39	0	0	135
	Excellent	Very Good	Good	Fair	Poor	Total



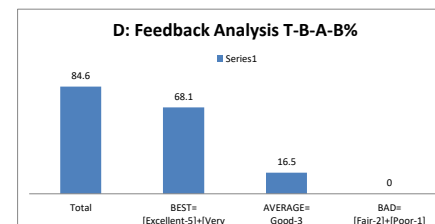
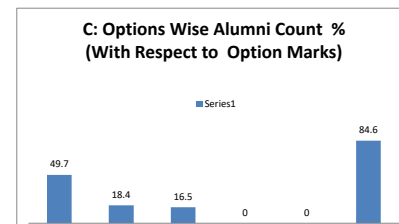
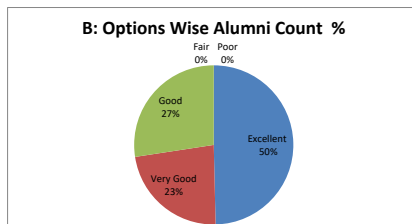
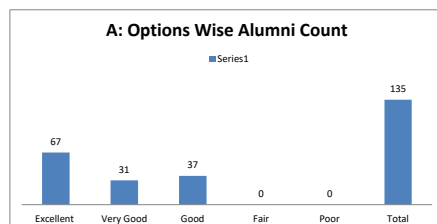
Q.NO.5	Rate the offering of the in relation to the specialization streams?					
OPTIONS	A	B	C	D	E	Alumini
	Excellent	Very Good	Good	Average	Poor	
RESULT	67	31	37	0	0	135
	Excellent	Very Good	Good	Fair	Poor	Total



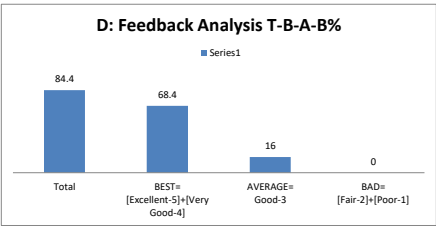
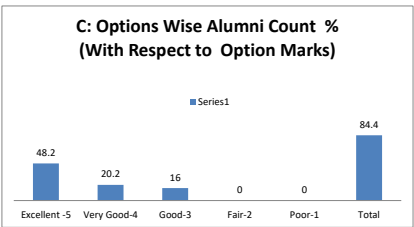
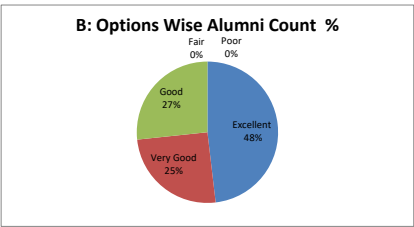
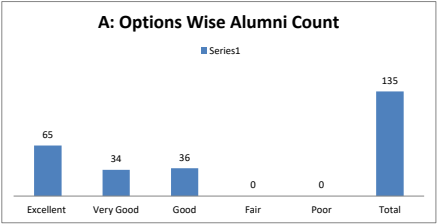
Q.NO.6	How do you rate the offering of the electives in relation to the Technological advancements?					
OPTIONS	A	B	C	D	E	Alumini
	Excellent	Very Good	Good	Average	Poor	
RESULT	64	35	36	0	0	135
	Excellent	Very Good	Good	Fair	Poor	Total



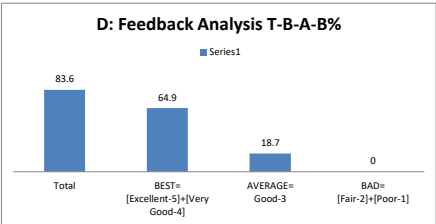
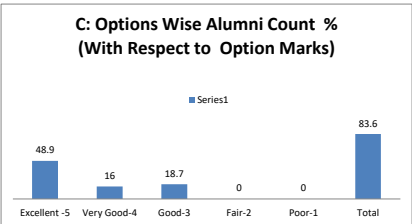
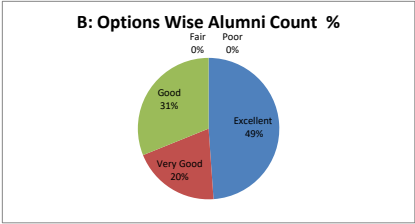
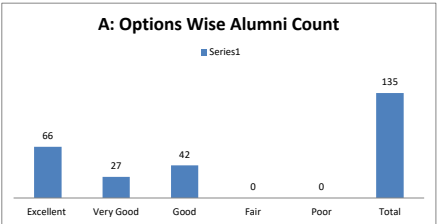
Q.NO.7	How do you rate the courses which are skills related suiting to the Industry included into the programs?					
OPTIONS	A	B	C	D	E	Alumini
	Excellent	Very Good	Good	Average	Poor	
RESULT	67	31	37	0	0	135
	Excellent	Very Good	Good	Fair	Poor	Total



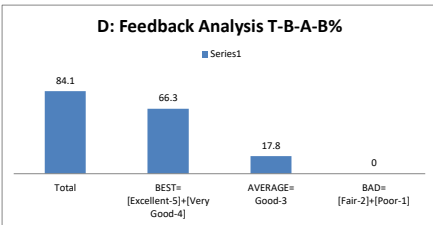
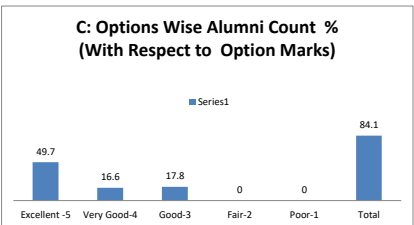
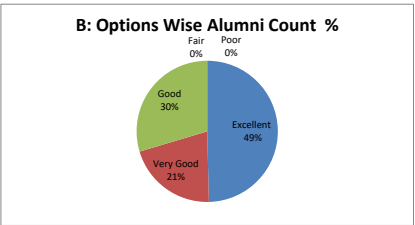
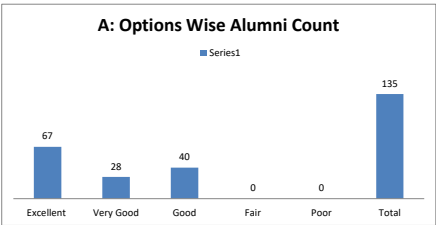
Q.NO.8	How do you rate the domain used for designing the experiments in terms of the suitability of the Tools to the domain?					
OPTIONS	A	B	C	D	E	Alumini
	Excellent	Very Good	Good	Average	Poor	
RESULT	65	34	36	0	0	135
	Excellent	Very Good	Good	Fair	Poor	Total



Q.No.9	How do you rate the experiments in terms of their relevance to the real life application?					
OPTIONS	A	B	C	D	E	Alumini
	Excellent	Very Good	Good	Average	Poor	
RESULT	66	27	42	0	0	135
	Excellent	Very Good	Good	Fair	Poor	Total



Q.NO.10	How do you rate the courses that you have learnt in relation to your current Job					
OPTIONS	A	B	C	D	E	Alumini
	Excellent	Very Good	Good	Average	Poor	
RESULT	67	28	40	0	0	135
	Excellent	Very Good	Good	Fair	Poor	Total



Alumni Feedback on Curriculum Analysis Overall Analysis

Fig.-1: Total Questions Option wise Alumni Average Count



Fig.-2: Total Questions Option wise Alumni Average Percentage

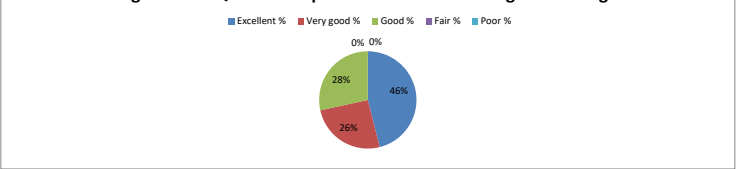


Fig.-3: Each question Options with Alumni Count

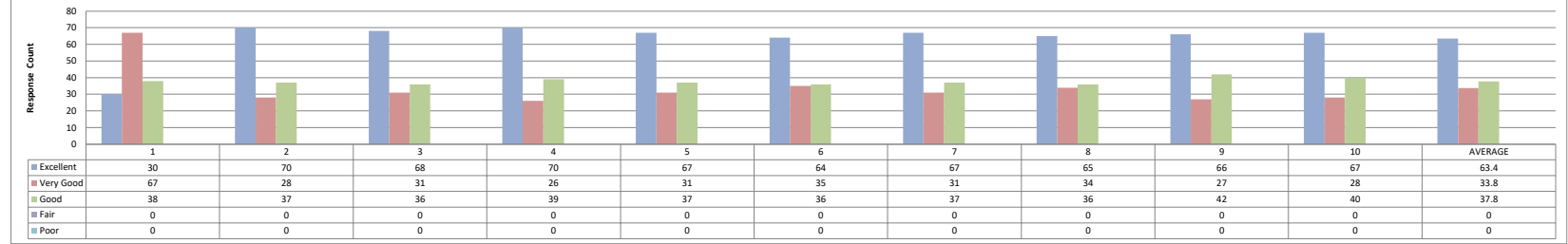


Fig.-4: Each question Options With Alumni Count Percentage

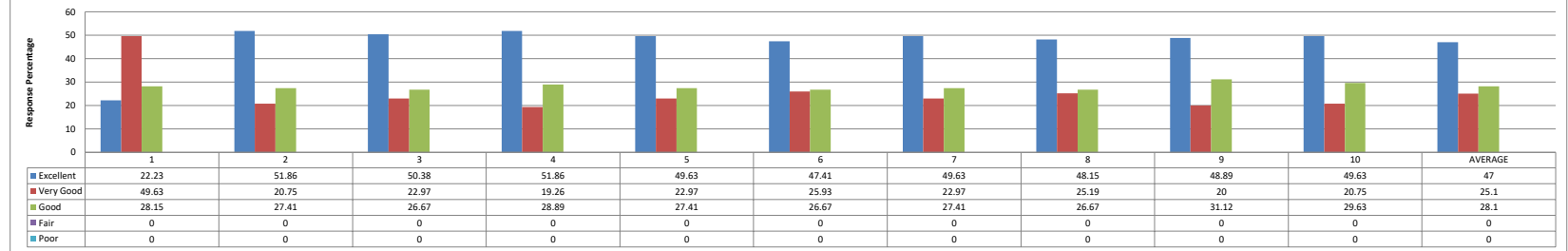
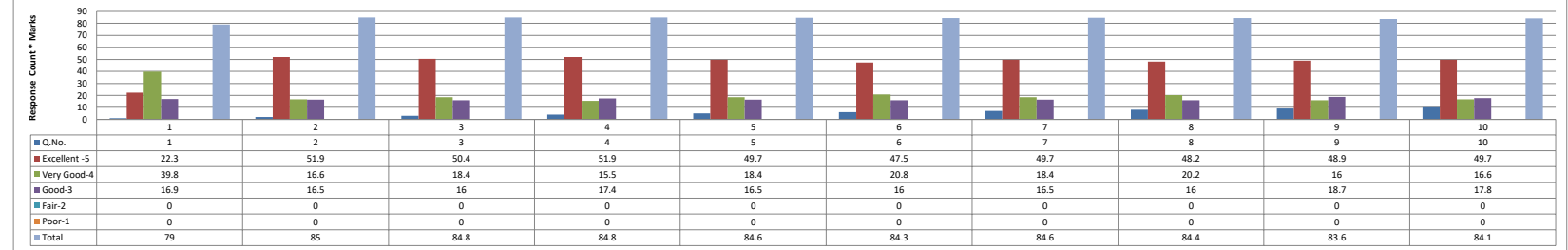
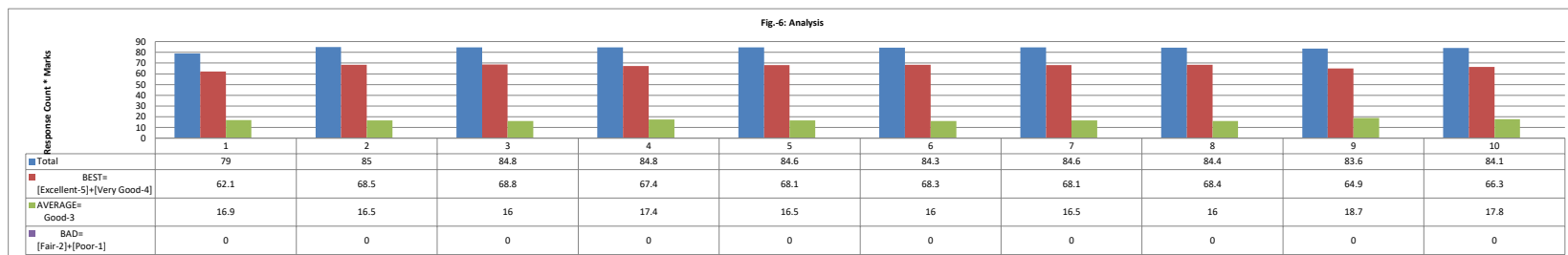


Fig.- 5: Each question Options Alumni Count Percentage with Marks







## PART-E

## Top Positive Feedback Questions and Action Taken on Top Negative Feedback Questions


Positive Feedback Questions: Threshold:-Positive: Total > 85 & BEST>75 & AVERAGE < 10 & BAD < 5;		
Sl.No.	Q.No.	Question
P_1	5	Rate the offering of the in relation to the specialization streams?
P_2	10	How do you rate the courses that you have learnt in relation to your current job
Negative Feedback Questions: Threshold - Negative: Total <65 / BEST <55 / AVERAGE >10 / BAD >5;		
Sl.No.	Q.No.	Question
N_1		NIL
N_2		
N_3		

Action Taken on Negative Feedback Questions:											
Sl.No.	Q.No.	Analysis	Action Taken			DAC & BOS Proofs			Date		
N_1			NIL								
N_2											
N_3											
Any other Recommendations / Suggestion(s) given by Academic Peers											
Sl.No.	Alumni details	Recommendation/Suggestion (S)	Analysis	Action Taken	An other Remarks	Department	Program	Specialization	DAC No.	PAGE NO	Date
1	Mr. Naresh Varma, Hetero drugs	Mr. Naresh Varma, Hetero drugs, Suggested to include concepts like cloning of PCR products in Genetic Engineering course	Enhancing the Genetic Engineering curriculum with PCR product cloning integrates contemporary techniques, fostering practical understanding of molecular biology advancements.	Suggested topics have been incorporated in Genetic Engineering approved by BOS and eventually recommended to Academic council.		BT	B.TECH	BT	XXXVI	4	29/06/2023
2	Ms. V. Sravya, Biocon Bangalore	Ms. V. Sravya, Biocon Bangalore, Advised to incorporate topics like heteropolysaccharides in Biochemistry	Incorporating topics on heteropolysaccharides in Biochemistry enhances understanding of complex carbohydrate structures and their diverse biological roles, enriching biochemical studies with broader insights into cellular processes and molecular interactions.	Suggested topics have been incorporated in Biochemistry approved by BOS and eventually recommended to Academic council.		BT	B.TECH	BT	XXXVI	4	29/06/2023
3	Ms. Satya Madhuri B, Amazon Hyderabad	Ms. Satya Madhuri B, Amazon Hyderabad, Suggested to include Energy balance concepts in Process engineering principles	Incorporating energy balance concepts enhances process engineering principles by optimizing resource utilization and promoting sustainable operations.	Suggested topics have been incorporated in Process Engineering Principles approved by BOS and eventually recommended to Academic council.		BT	B.TECH	BT	XXXVI	4	29/06/2023

Head

Department of Biotechnology

4	Mr. B.Mahesh, Dr.Reddys labs Pvt ltd Hyderabad	Mr. B.Mahesh, Dr.Reddys labs Pvt ltd Hyderabad, Advised to add Skilling for Engineers-1 (Medical Lab Technology) in course curriculum for 2022-23	Recommendation to integrate Skilling for Engineers-1 (Medical Lab Technology) into the 2022- 23 course curriculum aims to enhance practical competencies and bridge industry-academia gaps.	Course is floated Under Skilling categorization approved by BOS and eventually recommended to Academic council.		BT	B.TECH	BT	XXXVI	4	29/06/2023
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 Head  
 Department of Biotechnology  
 Joneru Lakshmalah Education Foundation  
 (Deemed to be University)  
 VADDESWAREM, Guntur Dt.

<div>Department of Biotechnology</div> <div>Koneru Lakshmaiah Education Foundation</div> <div>(K L Deemed to be University)</div>
<div>Industry Personnel Feedback on Curriculum Analysis Report</div> <div>Academic Year: 2023-2024</div> <div>Semester - ODD</div>

PART - A

Q.No.	Excellent	Very Good	Good	Fair	Poor	Total
1	30	25	20	0	0	75
2	28	27	20	0	0	75
3	33	22	20	0	0	75
4	25	25	25	0	0	75
5	34	20	21	0	0	75
6	37	24	14	0	0	75
7	25	30	20	0	0	75
8	44	25	6	0	0	75
9	55	15	5	0	0	75
10	53	16	6	0	0	75
AVERAGE	36.4	22.9	15.7	0	0	75

Feedback Average Out of 5 Scale	4.28
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PART - B

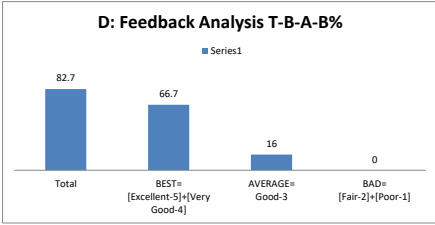
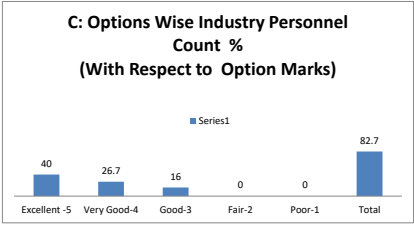
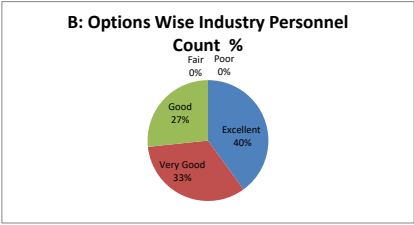
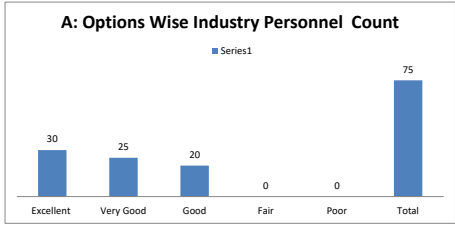
Questions and Options

Each Question Feedback Average out of 5 Scale						
Q.NO.1	How do you rate relevance of the courses in relation to the program?					4.14
OPTIONS	Excellent	Very Good	Good	Average	Poor	
Q.NO.2	How do you rate the sufficiency of the courses related to industry that are included in the program?					4.18
OPTIONS	Excellent	Very Good	Good	Average	Poor	
Q.NO.3	How do you rate the competencies in relation to the course content?					4
OPTIONS	Excellent	Very Good	Good	Average	Poor	
Q.NO.4	How do you rate the sequence of the units in the syllabus?					4.18
OPTIONS	Excellent	Very Good	Good	Average	Poor	
Q.NO.5	How do you rate the relevance of the topics to the Industry?					4.31
OPTIONS	Excellent	Very Good	Good	Average	Poor	
Q.NO.6	Rate the offering of the in relation to the specialization streams?					4.07
OPTIONS	Excellent	Very Good	Good	Average	Poor	
Q.NO.7	How do you rate the offering of the electives in relation to the Technological advancements?					4.51
OPTIONS	Excellent	Very Good	Good	Average	Poor	
Q.NO.8	How do you rate the courses which are skills related suiting to the Industry included into the programs?					4.67
OPTIONS	Excellent	Very Good	Good	Average	Poor	
Q.No.9	How do you rate the applicability of the domains and the tools used for designing the experiments in terms of existing practices in the Industry?					4.63
OPTIONS	Excellent	Very Good	Good	Average	Poor	
Q.NO.10	How do you rate the experiments in terms of their relevance to the real life application?					4.28
OPTIONS	Excellent	Very Good	Good	Average	Poor	

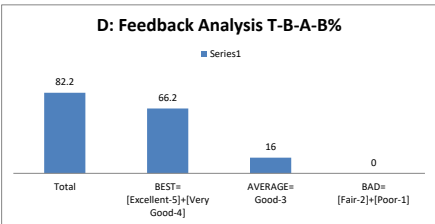
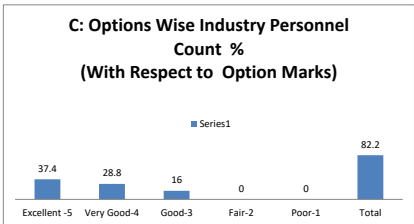
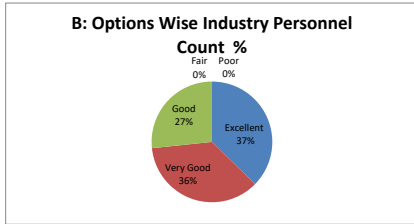
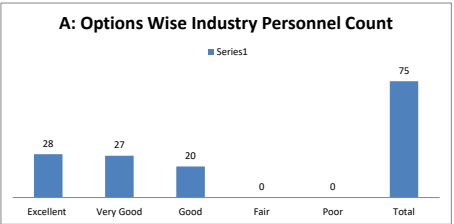
PART - C

Question Wise Analysis

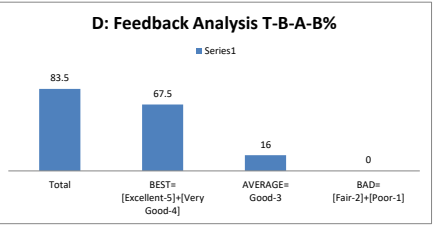
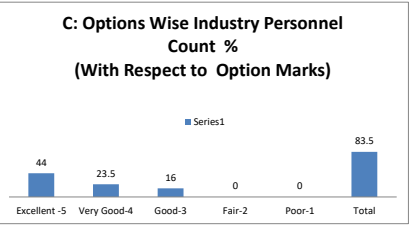
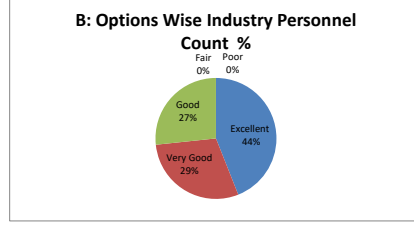
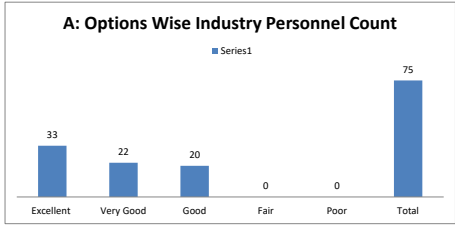
Q.NO.1	How do you rate relevance of the courses in relation to the program?					
OPTIONS	A	B	C	D	E	Industry
	Excellent	Very Good	Good	Average	Poor	Personnels
RESULT	30	25	20	0	0	75
	Excellent	Very Good	Good	Fair	Poor	Total



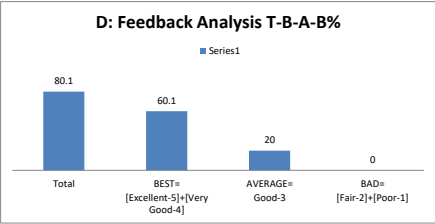
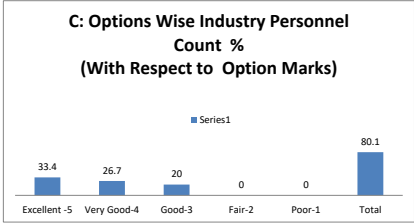
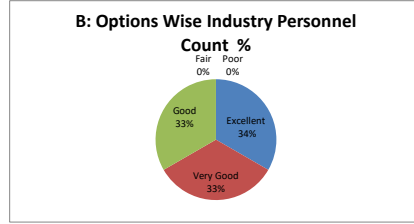
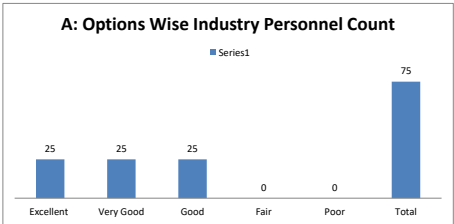
Q.NO.2	How do you rate the sufficiency of the courses related to industry that are included in the program?					
OPTIONS	A	B	C	D	E	Industry Personnels
	Excellent	Very Good	Good	Average	Poor	
RESULT	28	27	20	0	0	75
	Excellent	Very Good	Good	Fair	Poor	Total



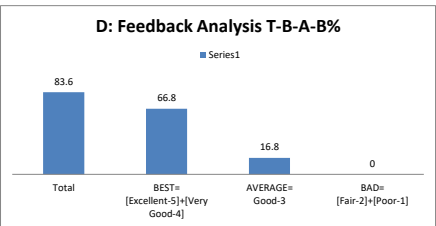
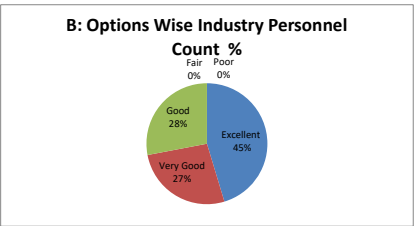
Q.NO.3	How do you rate the competencies in relation to the course content?					
OPTIONS	A	B	C	D	E	Industry Personnels
	Excellent	Very Good	Good	Average	Poor	
RESULT	33	22	20	0	0	75
	Excellent	Very Good	Good	Fair	Poor	Total



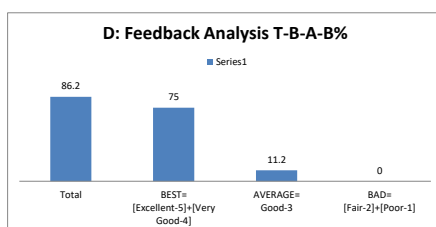
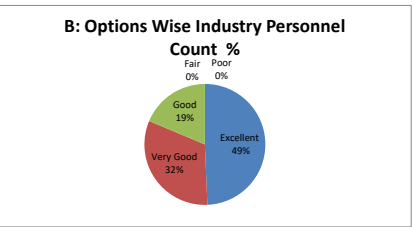
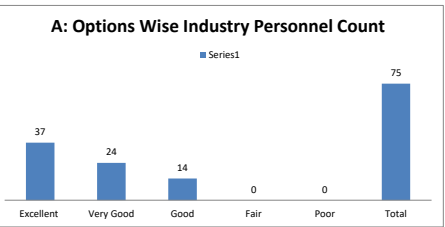
Q.NO.4	How do you rate the sequence of the units in the syllabus?					
OPTIONS	A	B	C	D	E	Industry Personnels
	Excellent	Very Good	Good	Average	Poor	
RESULT	25	25	25	0	0	75
	Excellent	Very Good	Good	Fair	Poor	Total



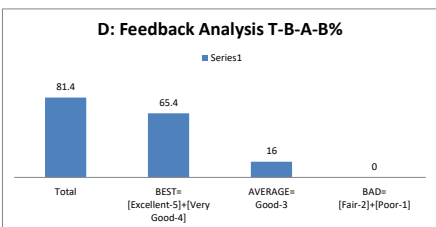
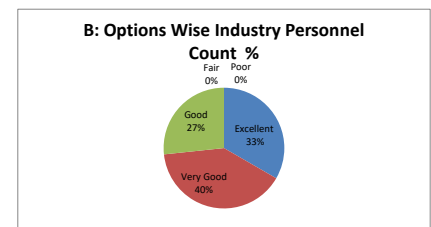
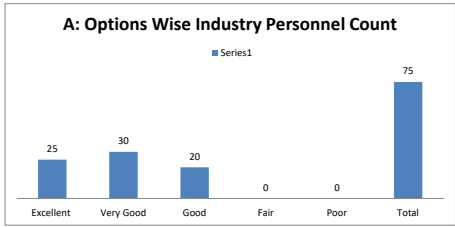
Q.NO.5	How do you rate the relevance of the topics to the industry?					
OPTIONS	A	B	C	D	E	Industry Personnels
	Excellent	Very Good	Good	Average	Poor	
RESULT	34	20	21	0	0	75
	Excellent	Very Good	Good	Fair	Poor	Total



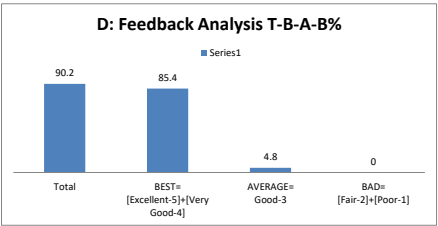
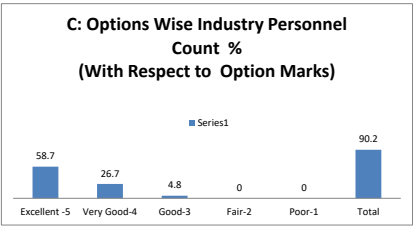
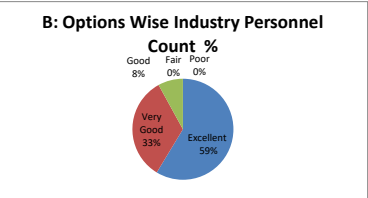
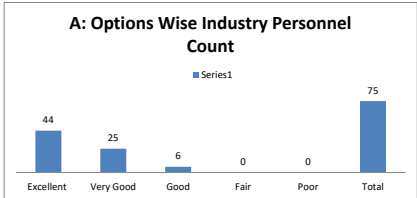
Q.NO.6	Rate the offering of the in relation to the specialization streams?					
OPTIONS	A	B	C	D	E	Industry Personnels
	Excellent	Very Good	Good	Average	Poor	
RESULT	37	24	14	0	0	75
	Excellent	Very Good	Good	Fair	Poor	Total



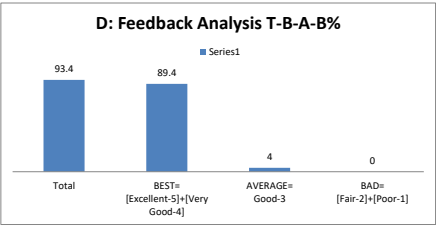
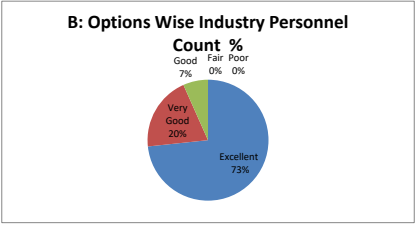
Q.NO.7	How do you rate the offering of the electives in relation to the Technological advancements?					
OPTIONS	A	B	C	D	E	Industry Personnels
	Excellent	Very Good	Good	Average	Poor	
RESULT	25	30	20	0	0	75
	Excellent	Very Good	Good	Fair	Poor	Total



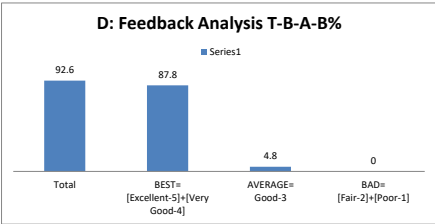
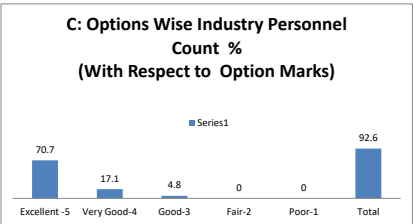
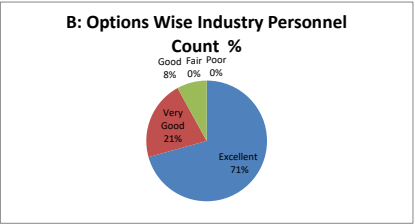
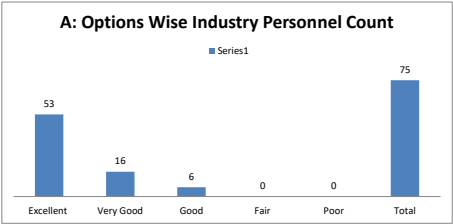
Q.NO.8	How do you rate the courses which are skills related suiting to the Industry included into the programs?					
OPTIONS	A	B	C	D	E	Industry Personnels
	Excellent	Very Good	Good	Average	Poor	
RESULT	44	25	6	0	0	75
	Excellent	Very Good	Good	Fair	Poor	Total



Q.No.9	How do you rate the applicability of the domains and the tools used for designing the experiments in terms of existing practices in the industry?					
OPTIONS	A	B	C	D	E	Industry Personnels
	Excellent	Very Good	Good	Average	Poor	
RESULT	55	15	5	0	0	75
	Excellent	Very Good	Good	Fair	Poor	Total

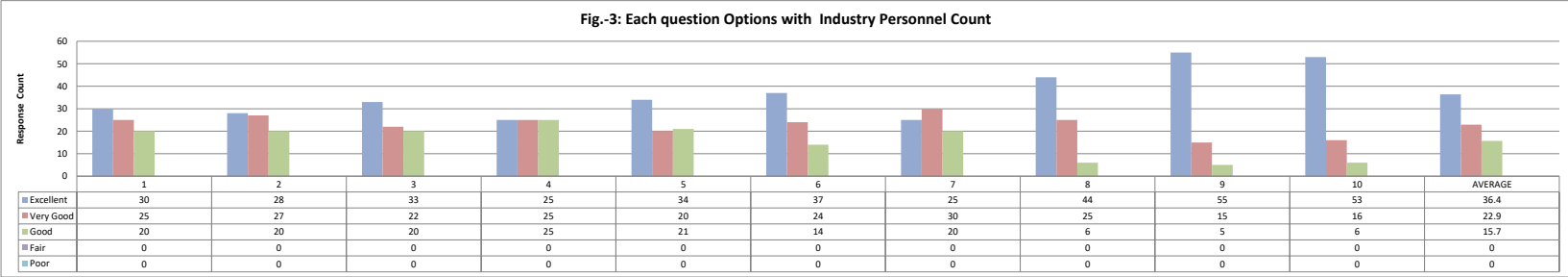
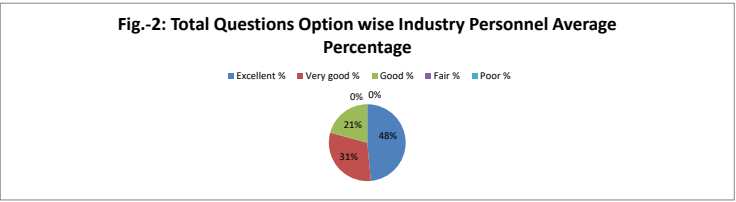
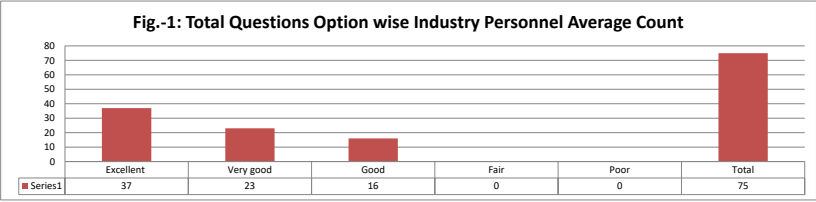


Q.NO.10	How do you rate the experiments in terms of their relevance to the real life application?					
OPTIONS	A	B	C	D	E	Industry Personnels
	Excellent	Very Good	Good	Average	Poor	
RESULT	53	16	6	0	0	75
	Excellent	Very Good	Good	Fair	Poor	Total

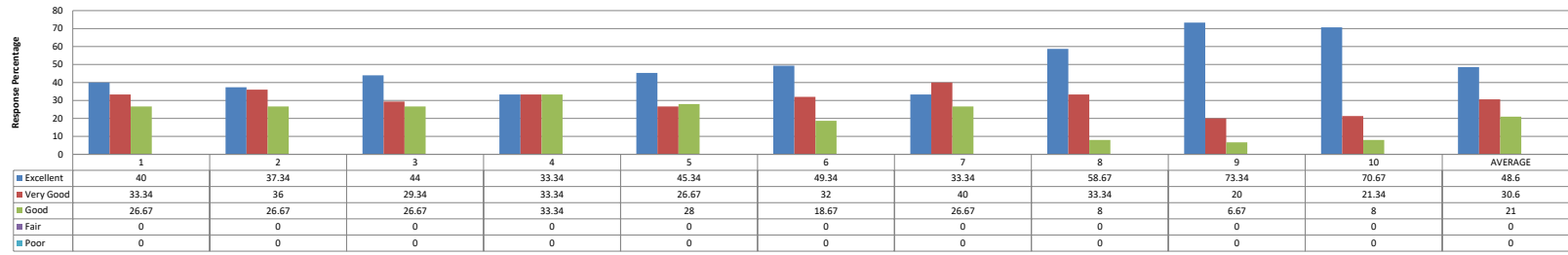


**PART - D**

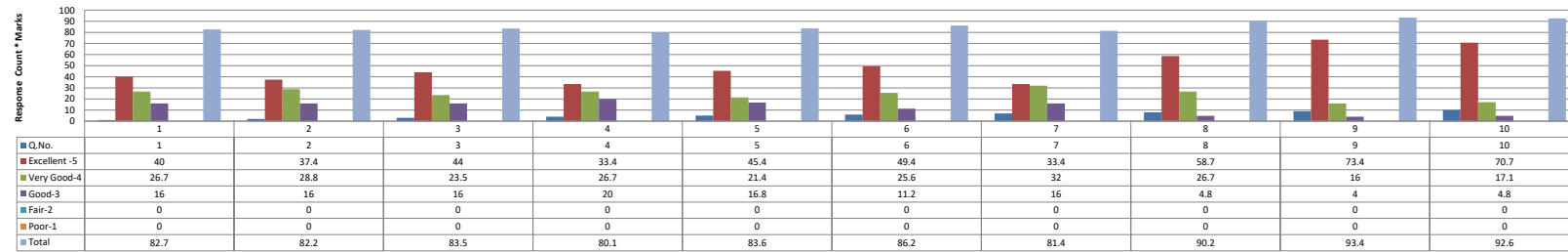
**Industry Personnel Feedback on Curriculum Analysis Overall Analysis**



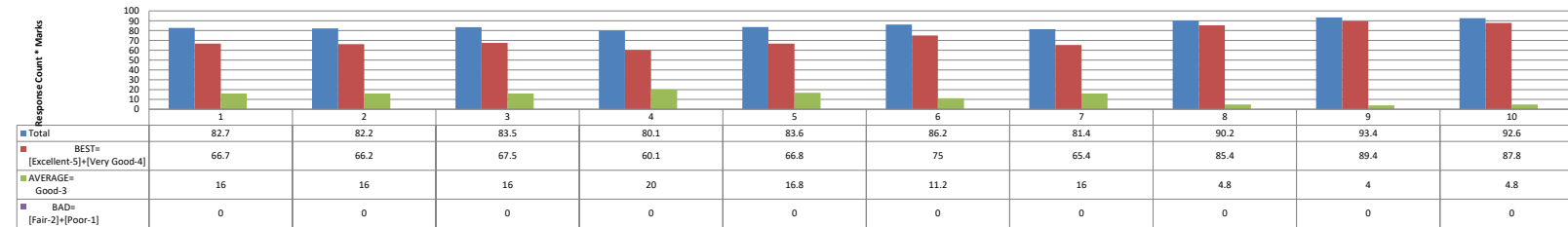
**Fig.-4: Each question Options With Industry Personnel Percentage**



**Fig. - 5: Each question Options Industry Personnel Percentage with Marks**



**Fig.-6: Analysis**





**PART-E**

**Top Positive Feedback Questions and Action Taken on Top Negative Feedback Questions**

Positive Feedback Questions: Threshold:- Positive: Total > 85 & BEST>75 & AVERAGE < 10 & BAD < 5;		
S.No.	Q.No.	Question
P_1	9	How do you rate the applicability of the domains and the tools used for designing the experiments in terms of existing practices in the industry?
P_2	10	How do you rate the experiments in terms of their relevance to the real life application?

Negative Feedback Questions: Threshold:- Negative: Total < 65 / BEST < 55 / AVERAGE > 10 / BAD > 5;		
S.No.	Q.No.	Question
N_1		NIL
N_2		
N_3		

Action Taken on Negative Feedback Questions:				
S.No.	Q.No.	Analysis	Action taken	DAC & BOS Proofs
N_1		NIL		
N_2				
N_3				

**Any other Recommendations / Suggestion(s) given by Academic Peers**

S.No.	Industry Peers details	Recommendations/Suggestions	Analysis	Action Taken	Any other Remarks	Department	Program	Specialization	DAC NO	PAGE NO	Date
1	Dr. Ratna Sudha, MD, Unique Biotech Pvt.Ltd, Hyderabad	Dr. Ratna Sudha, MD, Unique Biotech Pvt.Ltd, Hyderabad, NGS and RNA Sequences course to be floated	Introduction to Next-Generation Sequencing and RNA Analysis: Equipping students with cutting-edge techniques and computational tools for genomic and transcriptomic research.	Course is floated under "Bioinformatics" specialization approved by BoS and eventually recommended to Academic council.		BT	B.TECH	BT	XXXVI	5	29/06/2023
2	Dr. Indrani, Research Head, Unique Biotech Pvt.Ltd, Hyderabad	Dr. Indrani, Research Head, Unique Biotech Pvt.Ltd, Hyderabad, Genetics course to be incorporated	A comprehensive exploration of genetic principles, techniques, and their applications in modern biology and medicine.	Course is incorporated under professional courses approved by BoS and eventually recommended to Academic council.		BT	B.TECH	BT	XXXVI	5	29/06/2023
3	Dr. Rajesh, Scientist E, Sanofi Biotech, Medchal, Telangana	Dr. Rajesh, Scientist E, Sanofi Biotech, Medchal, Telangana, Biomaterials course to be floated	A Biomaterials course offers interdisciplinary insights into the development and application of materials for medical and biological use, crucial for advancing healthcare technologies.	Course is floated under Open electives approved by BoS and eventually recommended to Academic council.		BT	B.TECH	BT	XXXVI	5	29/06/2023
4	Dr. Alok Kumar, Sanofi Biotech, Medchal, Telangana	Dr. Alok Kumar, Sanofi Biotech, Medchal, Telangana, Computer aided drug design course to be floated	A course on Computer-Aided Drug Design will equip students with essential skills in using computational tools to accelerate the drug discovery process.	Course is floated under Open electives approved by BoS and eventually recommended to Academic council.		BT	B.TECH	BT	XXXVI	5	29/06/2023
5	Dr. Easwaran, Biocon Research Academy, Bangalore	Dr. Easwaran, Biocon Research Academy, Bangalore, Advised to add concepts of tissue & receptors in Cell Biology	Integrating tissue and receptor concepts into Cell Biology enhances the understanding of cellular functions and interactions within complex biological systems.	Suggested topics were added approved by BoS and eventually recommended to Academic council.		BT	B.TECH	BT	XXXVI	5	29/06/2023
6	Dr. Ramgopal, Biocon Research Academy, Bangalore	Dr. Ramgopal, Biocon Research Academy, Bangalore, Suggested to add Enzymes, carbohydrates and Bioenergetics to Biochemistry	Including enzymes, carbohydrates, and bioenergetics in the biochemistry curriculum enriches students' understanding of essential metabolic processes and biochemical interactions.	As per the suggestions, Suggested topics were added and the same was approved by BoS and recommended to Academic council.		BT	B.TECH	BT	XXXVI	5	29/06/2023

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7	Miss. Rishitha Challagulla, North Carolina, USA	Miss. Rishitha Challagulla, North Carolina, USA, Advised to add various DNA repair mechanisms to Molecular Biology	Incorporating diverse DNA repair mechanisms into molecular biology enhances understanding of genomic stability and the maintenance of cellular integrity.	Suggested topics were added and the same was approved by BoS and recommended to Academic council.		BT	B.TECH	BT	XXXVI	5	29/06/2023
8	Miss. Pavitra Etukuri Challagulla, North Carolina, USA	Miss. Pavitra Etukuri Challagulla, North Carolina, USA, Suggested to add structure of Immunoglobulin in Immunology subject	Adding the structure of Immunoglobulin to the Immunology subject provides a foundational understanding of antibody function and immune response mechanisms.	As per the suggestions, Suggested topics were added and the same was approved by BoS and recommended to Academic council.		BT	B.TECH	BT	XXXVI	5	29/06/2023
9	Mr. Nikhil Reddy, Maryland, USA	Mr. Nikhil Reddy, Maryland, USA, Add some microorganism to Food Technology course	Incorporating microorganisms into the Food Technology course will enhance students' understanding of fermentation, food safety, and biotechnology applications.	As per the suggestions, Suggested topics were added and the same was approved by BoS and recommended to Academic council.		BT	B.TECH	BT	XXXVI	5	29/06/2023
10	Mr. Divyanshu Dhakate, Ottawa, Canada	Mr. Divyanshu Dhakate, Ottawa, Canada, Suggested to include thermodynamics of biological system in Biology for Engineering	Including the thermodynamics of biological systems in Biology for Engineering equips students with essential tools to understand and optimize bioengineering processes.	Suggested topics were added and the same was approved by BoS and recommended to Academic council.		BT	B.TECH	BT	XXXVI	5	29/06/2023

  
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