STUDENT FEEDBACK ANALYSIS

2017-2018

BHARATH COLLEGE OF SCIENCE AND MANAGEMENT
(UGC RECOGNISED 2(F) & 12 (b) INSTITUTION)
AFFILIATED TO BHARATHIDASAN UNIVERSITY – IRUCHIRAPPALLI
THANJAVUR – 613 005
INTERNAL QUALITY ASSURANCE CELL (IQAC)

FEED BACK ANALYSIS & ACTION TAKEN REPORT 2017 – 2018

Bharath College of Science and Management will get regular Feedback from the Students related to Syllabus, Communication skill, facilities for Teaching and Learning methodology in various aspects. Feedback also received from Teachers, Alumni, Recruiters at different stages in each and every Academic Session.

IQAC has played a vital role in analysing the data accordingly. Based on IQAC analysis and its findings, the necessary actions were taken to improve the quality.

1. FEEDBACK ANALYSIS & ACTION TAKEN REPORT – STUDENTS

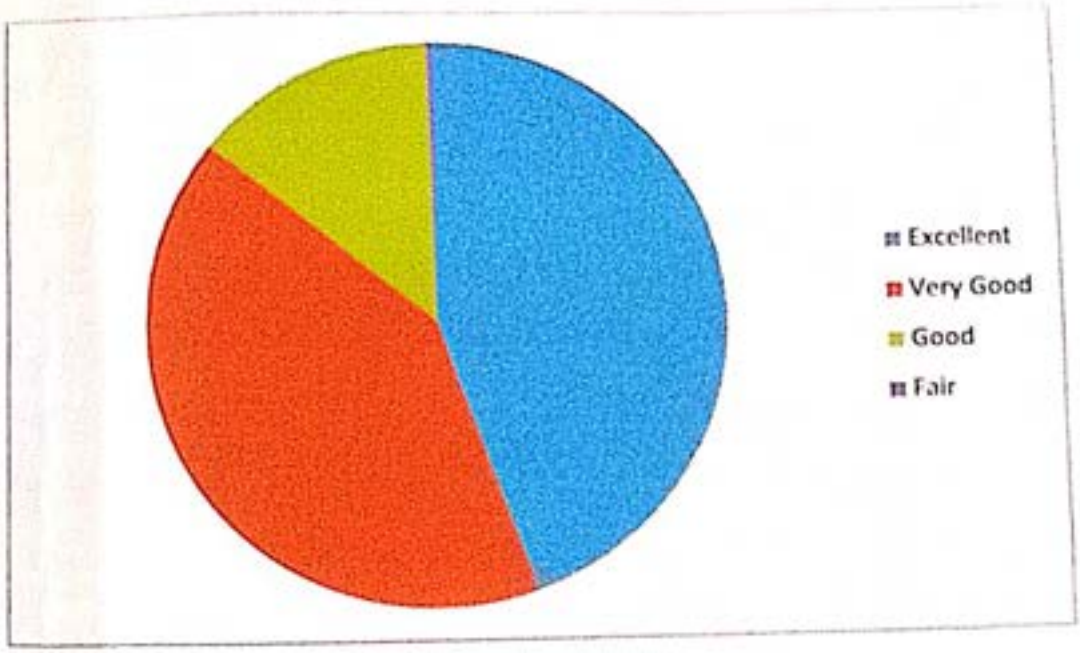
Feedback was collected by IQAC from students about Teacher, College, Quality of teaching and learning methods, infrastructure extra – curricular (Games, Sports and Cultural activities), and Co-Curricular activities (NSS, YRC) and other aspects during the academic year 2017 – 2018. The Presentation of feedback analysis and summary of action taken report are as follows.

FEEDBACK ANALYSIS

Sl.No	Description	Excellent	Very Good	Good	Fair
1	Sincerity/Punctuality/Commitment of the teacher	63.64	31.06	5.3	0
2	Interest generated by the teacher	53.03	37.88	9.09	0
3	Command over subject and communication skill	49.24	34.09	16.67	0
4	Accessibility of the teacher in and out of the class	39.39	45.46	15.15	0
5	Ability to conduct laboratory experiment/ design tests/ assignments/examination and projects	46.97	40.15	12.88	0
6	Laboratory	53.79	40.15	6.06	0

7	Library Facility	45.45	47.73	6.82	0
8	Interaction with college office	50.76	31.82	17.42	0
9	Interaction with principal	43.94	34.85	21.21	0
10	Drinking water	47.73	35.61	15.91	0.75
11	Toilet Utility	37.88	42.42	17.42	2.27
12	Co-Curricular Activity (NSS/NCC etc.)	44.7	37.88	17.42	0
13	Extra - Curricular Activity (Games and Sports, Cultural activities etc.)	43.18	41.67	15.15	0
14	Overall rating	52.27	37.88	9.85	0
15	The syllabus of the course is updated and useful in gaining subject knowledge	48.49	43.18	8.33	0
16	The syllabus of the course gives fundamentals and leads to critical thinking	46.96	38.64	13.64	0.76
17	The syllabus of the course is useful in gaining necessary skills for facing in different competitive examinations	33.33	50.76	15.15	0.76
18	The syllabus of the course emphasizes the learning of job oriented skills	28.03	58.33	11.37	2.27
19	The syllabus of the course gives importance to the conduct of practical and hands -on-training to the students	40.91	41.67	17.42	0
20	The time and credit allotted to each course	45.46	39.39	15.15	0
21	The completion of syllabus gives confidence pursuing higher studies	43.94	41.67	14.39	0
22	The syllabus does not result in any overloading on students during the semester	26.52	56.06	15.91	1.51
23	The contents of the course in the syllabus are comprehensive	42.43	39.39	18.18	0
24	Contents of the course enable acquisition of knowledge and related skills	42.42	44.7	12.88	0

Excellent	Very Good	Good	Fair
44.6	41.35	13.7	0.35



2017 – 2018:

Action Taken Report-Based on the Feedback Received from the Students:

1. Easy accessibility of teachers to students is one of the important features for healthy Teacher – Student relationship. In this regard teachers are guided and activated to have an easy accessibility to their wards through conducting various Seminars, Workshops, Group discussions and also to motivate them to participate in various group activities.

2. Steps were taken to modernise the existing toilet facilities to increase its utility.

3. Our College is a Self Financing College affiliated to Bharathidasan University. This University has its own statuary body (Board of studies) to frame syllabus. Affiliated colleges like ours should follow the syllabus as per the norms of the University we have no staff representation in the board of studies, our role is limited to frame Syllabus. To improve the skill and to enhance their efforts to appear for competitive examinations. We conduct value added and certificate course for our Students.

4. We follow Mentor and mentees system. Though which a mentor can take care of 20 students. The mentor extends guidance in both academia and non-academics until the end of course completion. Hence, all the guidance from the mentor. We conduct "Bookless Class" for our students in every working Saturdays to have an added advantage & general knowledge other their subjects.

PRINCIPAL
Bharath College of Science & Management
Bharath Avenue, Near New Bus Stand
THANJAVUR - 613 005.

2017-2018

1				
EX	VG	G	F	TOTAL
84	41	7	0	132

5				
EX	VG	G	F	TOTAL
62	53	17	0	132

9				
EX	VG	G	F	TOTAL
58	46	28	0	132

13				
EX	VG	G	F	TOTAL
57	55	20	0	132

17				
EX	VG	G	F	TOTAL
44	67	20	1	132

21				
EX	VG	G	F	TOTAL
58	55	19	0	132

2				
EX	VG	G	F	TOTAL
70	50	12	0	132

6				
EX	VG	G	F	TOTAL
71	53	8	0	132

10				
EX	VG	G	F	TOTAL
63	47	21	1	132

14				
EX	VG	G	F	TOTAL
69	50	13	0	132

18				
EX	VG	G	F	TOTAL
37	77	15	3	132

22				
EX	VG	G	F	TOTAL
35	74	21	2	132

3				
EX	VG	G	F	TOTAL
65	45	22	0	132

7				
EX	VG	G	F	TOTAL
60	63	9	0	132

11				
EX	VG	G	F	TOTAL
50	56	23	3	132

15				
EX	VG	G	F	TOTAL
64	57	11	0	132

19				
EX	VG	G	F	TOTAL
54	55	23	0	132

23				
EX	VG	G	F	TOTAL
56	52	24	0	132

4				
EX	VG	G	F	TOTAL
52	60	20	0	132

8				
EX	VG	G	F	TOTAL
67	42	23	0	132

12				
EX	VG	G	F	TOTAL
59	50	23	0	132

16				
EX	VG	G	F	TOTAL
62	51	18	1	132

20				
EX	VG	G	F	TOTAL
60	52	20	0	132

24				
EX	VG	G	F	TOTAL
56	59	17	0	132

2017-2018

1	2	3	4
EX = 84/138 X100 = 63.64 VG = 41/138 X100 = 31.06 G1 = 7/138 X100 = 5.30 F = 0/138 X100 = 0 100	EX = 70/138 X100 = 53.03 VG = 50/138 X100 = 37.88 G1 = 12/138 X100 = 9.09 F = 0/138 X100 = 0 100	EX = 65/138 X100 = 49.24 VG = 45/138 X100 = 34.09 G1 = 22/138 X100 = 16.67 F = 0/138 X100 = 0 100	EX = 52/132 X100 = 39.39 VG = 60/132 X100 = 46.46 G1 = 20/132 X100 = 15.15 F = 0/132 X100 = 0 100
5	**6**	**7**	**8**
EX = 62/132 X100 = 46.97 VG = 53/132 X100 = 40.15 G1 = 17/132 X100 = 12.88 F = 0/132 X100 = 0 100	EX = 71/132 X100 = 53.79 VG = 53/132 X100 = 40.15 G1 = 8/132 X100 = 6.06 F = 0/132 X100 = 0 100	EX = 60/132 X100 = 45.45 VG = 63/132 X100 = 47.73 G1 = 9/132 X100 = 6.82 F = 0/132 X100 = 0 100	EX = 67/132 X100 = 50.76 VG = 42/132 X100 = 31.82 G1 = 23/132 X100 = 17.42 F = 0/132 X100 = 0 100
9	**10**	**11**	**12**
EX = 52/132 X100 = 50.76 VG = 46/132 X100 = 34.85 G1 = 28/132 X100 = 21.21 F = 0/132 X100 = 0 100	EX = 63/132 X100 = 47.73 VG = 47/132 X100 = 35.61 G1 = 21/132 X100 = 15.91 F = 0/132 X100 = 0.75 100	EX = 50/132 X100 = 37.88 VG = 56/132 X100 = 42.42 G1 = 23/132 X100 = 17.42 F = 3/132 X100 = 2.27 100	EX = 59/132 X100 = 44.70 VG = 50/132 X100 = 37.88 G1 = 23/132 X100 = 17.42 F = 0/132 X100 = 0 100

13	14	15	16
EX = 57/132 X100 = 43.18 VG = 55/132 x100 = 41.67 G1 = 20/132 X100 = 15.16 F = 0/132 X100 = 0 100	EX = 69/132 X100 = 52.27 VG = 50/132 X100 = 37.88 G1 = 13/132 X100 = 9.85 F = 0/132 X100 = 0 100	EX = 64/132 X100 = 48.49 VG = 57/132 X100 = 43.18 G1 = 11/132 X100 = 8.33 F = 0/132 X100 = 0 100	EX = 62/132 X100 = 46.96 VG = 51/132 X100 = 38.64 G1 = 18/132 X100 = 13.64 F = 1/132 X100 = 0.76 100
17	**18**	**19**	**20**
EX = 44/132 X100 = 33.33 VG = 67/132 X100 = 50.76 G1 = 20/132 X100 = 15.16 F = 1/132 X100 = 0 100	EX = 37/132 X100 = 28.03 VG = 77/132 X100 = 58.33 G1 = 15/132 X100 = 11.57 F = 3/132 X100 = 2.27 100	EX = 54/132 X100 = 40.91 VG = 55/132 X100 = 41.67 G1 = 23/132 X100 = 17.42 F = 0/132 X100 = 0 100	EX = 60/132 X100 = 45.46 VG = 52/132 X100 = 39.39 G1 = 20/132 X100 = 15.15 F = 0/132 X100 = 0 100
21	**22**	**23**	**24**
EX = 58/132 X100 = 43.94 VG = 55/132 X100 = 41.67 G1 = 19/132 X100 = 14.39 F = 0/132 X100 = 0 100	EX = 35/132 X100 = 26.52 VG = 74/132 X100 = 56.06 G1 = 21/132 X100 = 15.91 F = 2/132 X100 = 1.51 100	EX = 56/132 X100 = 42.43 VG = 52/132 X100 = 39.39 G1 = 24/132 X100 = 18.18 F = 0/132 X100 = 0 100	EX = 56/132 X100 = 42.42 VG = 59/132 X100 = 44.70 G1 = 17/132 X100 = 2.88 F = 0/132 X100 = 0 100

2018-2019

BHARATH COLLEGE OF SCIENCE AND MANAGEMENT
(UGC RECOGNISED 2(F) & 12 (b) INSTITUTION)
AFFILIATED TO BHARATHIDASAN UNIVERSITY –TIRUCHIRAPPALLI
THANJAVUR – 613 005
INTERNAL QUALITY ASSURANCE CELL (IQAC)

FEED BACK ANALYSIS & ACTION TAKEN REPORT 2018 – 2019

Bharath College of Science and Management will get regular Feedback from the Students related to Syllabus, Communication skill, facilities for Teaching and Learning methodology in various aspects. Feedback also received from Teachers, Alumni, Recruiters at different stages in each and every Academic Session.

IQAC has played a vital role in analysing the data accordingly. Based on IQAC analysis and its findings, the necessary actions were taken to improve the quality.

1. FEEDBACK ANALYSIS & ACTION TAKEN REPORT – STUDENTS

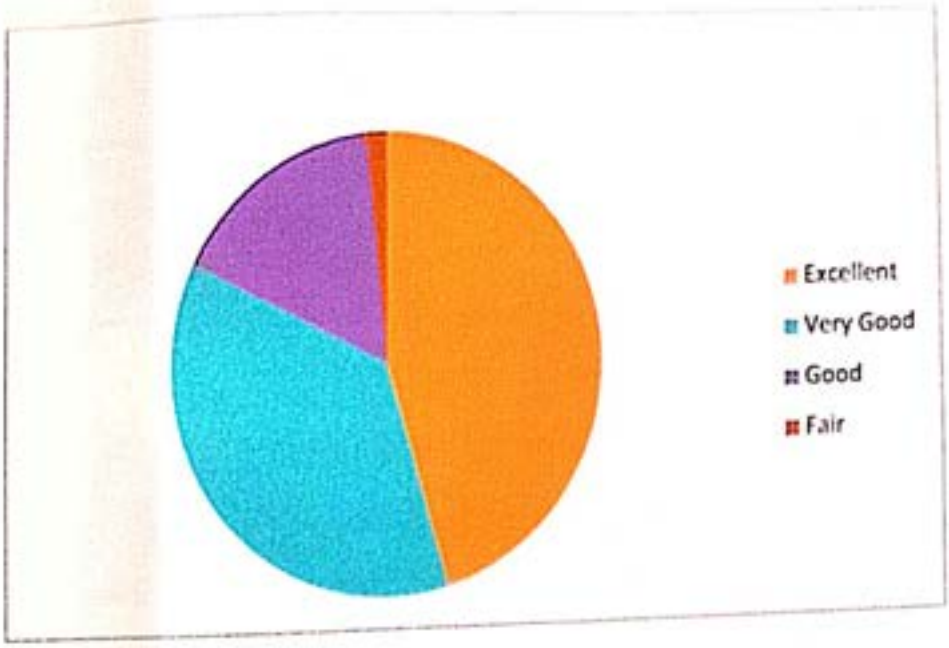
Feedback was collected by IQAC from students about Teacher, College, Quality of teaching and learning methods, infrastructure extra – curricular (Games, Sports and Cultural activities), and Co-Curricular activities (NSS, YRC) and other aspects during the academic year 2018 – 2019. The Presentation of feedback analysis and summary of action taken report are as follows.

FEEDBACK ANALYSIS

Sl.No	Description	Excellent	Very Good	Good	Fair
1	Sincerity/Punctuality/Commitment of the teacher	59.68	29.03	11.29	0
2	Interest generated by the teacher	58.06	27.42	12.9	1.62
3	Command over subject and communication skill	36.29	44.35	18.55	0.81
4	Accessibility of the teacher in and out of the class	48.39	35.48	15.32	0.81
5	Ability to conduct laboratory experiment/ design tests/ assignments/examination and projects	43.55	38.71	16.13	1.61
6	Laboratory	58.87	32.26	8.06	0.81

7	Library Facility	50	37.9	10.48	1.62
8	Interaction with college office	45.16	30.65	22.58	1.61
9	Interaction with principal	46.78	29.03	20.16	4.03
10	Drinking water	52.42	28.23	15.32	4.03
11	Toilet Utility	47.58	32.26	17.74	2.42
12	Co-Curricular Activity (NSS/NCC etc.)	47.58	37.09	13.71	1.62
13	Extra - Curricular Activity (Games and Sports, Cultural activities etc.)	44.35	41.94	12.09	1.62
14	Overall rating	45.97	37.09	16.94	0
15	The syllabus of the course is updated and useful in gaining subject knowledge	54.84	33.87	11.29	0
16	The syllabus of the course gives fundamentals and leads to critical thinking	42.74	41.13	15.32	0.81
17	The syllabus of the course is useful in gaining necessary skills for facing in different competitive examinations	37.09	42.75	19.35	0.81
18	The syllabus of the course emphasizes the learning of job oriented skills	36.29	41.13	20.97	1.61
19	The syllabus of the course gives importance to the conduct of practical and hands -on-training to the students	40.32	39.52	18.55	1.61
20	The time and credit allotted to each course	34.68	46.77	16.94	1.61
21	The completion of syllabus gives confidence pursuing higher studies	45.16	33.87	18.55	2.42
22	The syllabus does not result in any overloading on students during the semester	29.03	50.81	19.35	0.81
23	The contents of the course in the syllabus are comprehensive	37.9	38.72	21.77	1.61
24	Contents of the course enable acquisition of knowledge and related skills	45.16	30.65	21.77	2.42

Excellent	Very Good	Good	Fair
45.54	36.87	16.07	1.52



2018 – 2019

Action Taken Report – Based on the Feedback Received from the Students

1. To Command over subject and communication skill of the students the Bharathidasan University itself introduced a soft skill paper "as a part of University curriculum for each programme". Our Management encourages, staff and students to improve their communication skill by providing language lab in which 25 computer are availed in usage.

2. Our college is a self financing College. Bharathidasan University has its own statutory body (Board of studies) to frame syllabus. Affiliated colleges like ours should follow the Syllabus as per norms of the University. As we have no Staff representation in the Board of studies, our role is limited to frame syllabus. To improve the skill of the students, we conduct Value added course in each and every programme and it will enhance their efforts to participate in competitive examinations.

3. Our College Management takes efforts to enrich the library. Subject oriented books, books related to competitive examinations, and Research Journals, E-resource facilities in library are also made available to the students. Book bank is separately available in the library. Management provides sufficient funds for all these above library. Management provides sufficient funds for all these above said. To make the students to understand the importance of Library, weekly 1 hour is allotted in the General Time Table for UG & PG Students and students visit the library in mandatory in that particular prescribed hour became compulsory in the particular prescribed hour.

PRINCIPAL
Bharath College of Science & Management
Bharath Avenue, Near New Bus Stand
THANJAVUR - 613 005

2018-2019

1				
EX	VG	G	F	TOTAL
74	36	14	0	124
5				
EX	VG	G	F	TOTAL
54	48	20	2	124
9				
EX	VG	G	F	TOTAL
58	36	25	5	124
13				
EX	VG	G	F	TOTAL
55	52	15	2	124
17				
EX	VG	G	F	TOTAL
46	53	24	1	124
21				
EX	VG	G	F	TOTAL
56	42	23	3	124

2				
EX	VG	G	F	TOTAL
72	34	16	2	124
6				
EX	VG	G	F	TOTAL
73	40	10	1	124
10				
EX	VG	G	F	TOTAL
65	35	19	5	124
14				
EX	VG	G	F	TOTAL
57	46	21	0	124
18				
EX	VG	G	F	TOTAL
45	51	26	2	124
22				
EX	VG	G	F	TOTAL
36	63	24	1	124

3				
EX	VG	G	F	TOTAL
45	55	23	1	124
7				
EX	VG	G	F	TOTAL
62	47	13	2	124
11				
EX	VG	G	F	TOTAL
59	40	22	3	124
15				
EX	VG	G	F	TOTAL
68	42	14	0	124
19				
EX	VG	G	F	TOTAL
50	49	23	2	124
23				
EX	VG	G	F	TOTAL
47	48	27	2	124

4				
EX	VG	G	F	TOTAL
60	44	19	1	124
8				
EX	VG	G	F	TOTAL
56	38	28	2	124
12				
EX	VG	G	F	TOTAL
59	46	17	2	124
16				
EX	VG	G	F	TOTAL
53	51	19	1	124
20				
EX	VG	G	F	TOTAL
43	58	21	2	124
24				
EX	VG	G	F	TOTAL
56	38	27	3	124

2018-2019

1	2	3	4
EX = 74/124 x100 = 59.68%	EX = 5/124 x100 = 58.06	EX = 46/124 x100 = 36.29	EX = 60/124 x100 = 48.39
VG = 36/124 x100 = 29.03	VG = 34/124 x100 = 27.42	VG = 55/124 x100 = 44.35	VG = 44/124 x100 = 35.48
G = 14/124 x100 = 11.29	G = 16/124 x100 = 12.90	G = 23/124 x100 = 18.55	G = 19/124 x100 = 15.32
F = 0/124 x100 = 1129	F = 2/124 x100 = 1.62	F = 1/124 x100 = 0.81	F = 1/124 x100 = 0.81
100	100	100	100
5	6	7	8
EX = 64/124 x100 = 48.55	EX = 73/124 x100 = 58.87	EX = 62/124 x100 = 50.00	EX = 56/124 x100 = 45.16
VG = 48/124 x100 = 38.71	VG = 40/124 x100 = 32.26	VG = 47/124 x100 = 37.90	VG = 38/124 x100 = 30.65
G = 20/124 x100 = 16.13	G = 10/124 x100 = 8.06	G = 13/124 x100 = 10.48	G = 28/124 x100 = 22.58
F = 2/124 x100 = 1.61	F = 1/124 x100 = 0.81	F = 2/124 x100 = 1.62	F = 2/124 x100 = 1.61
100	100	100	100
9	10	11	12
EX = 58/124 x100 = 46.78	EX = 65/124 x100 = 52.42	EX = 59/124 x100 = 47.58	EX = 59/124 x100 = 47.58
VG = 36/124 x100 = 29.03	VG = 35/124 x100 = 28.23	VG = 40/124 x100 = 32.26	VG = 46/124 x100 = 37.09
G = 25/124 x100 = 20.16	G = 19/124 x100 = 15.32	G = 22/124 x100 = 17.74	G = 17/124 x100 = 13.71
F = 5/124 x100 = 4.03	F = 5/124 x100 = 4.03	F = 3/124 x100 = 2.42	F = 2/124 x100 = 1.62
100	100	100	100

13 EX = 55/124 x100 = 44.35 VG = 52/124 x100 = 41.94 G = 16/124 x100 = 12.09 F = 2/124 x100 = 1.62 100	14 EX = 57/124 x100 = 45.97 VG = 46/124 x100 = 37.09 G = 21/124 x100 = 16.94 F = 0/124 x100 = 0 100	15 EX = 68/124 x100 = 54.84 VG = 42/124 x100 = 33.87 G = 14/124 x100 = 11.29 F = 0/124 x100 = 0 100	EX = 53/124 x100 = 42.74 VG = 51/124 x100 = 41.13 G = 19/124 x100 = 15.32 F = 0/124 x 100 = 0 100
17 EX = 46/124 x100 = 37.09 VG = 53/124 x100 = 42.75 G = 24/124 x100 = 19.35 F = 1/124 x100 = 0.81 100	18 EX = 45/124 x100 = 36.29 VG = 51/124 x100 = 41.13 G = 26/124 x100 = 20.97 F = 2/124 x100 = 1.61 100	19 EX = 50/124 x100 = 40.32 VG = 49/124 x100 = 39.52 G = 23/124 x100 = 18.55 F = 2/124 x100 = 1.61 100	20 EX = 43/124 x100 = 34.48 VG = 58/124 x100 = 46.77 G = 21/124 x100 = 16.94 F = 2/124 x100 x 1.61 100
21 EX = 56/124 x100 = 45.16 VG = 42/124 x100 = 33.87 G = 23/124 x100 = 18.55 F = 3/124 x100 = 2.42 100	22 EX = 36/124 x100 = 29.03 VG = 63/124 x100 = 50.81 G = 24/124 x100 = 19.35 F = 1/124 x100 = 0.81 100	23 EX = 47/124 x100 = 37.90 VG = 48/124 x100 = 38.72 G = 27/124 x100 = 21.77 F = 2/124 x100 = 1.61 100	24 EX = 56/124 x100 = 45.16 VG = 38/124 x100 = 30.65 G = 27/124 x100 = 21.77 F = 3/124 x100 = 2.42 100

2019-2020

BHARATH COLLEGE OF SCIENCE AND MANAGEMENT
(UGC RECOGNISED 2(F) & 12 (b) INSTITUTION)
AFFILIATED TO BHARATHIDASAN UNIVERSITY – TIRUCHIRAPPALLI
THANJAVUR – 613 005
INTERNAL QUALITY ASSURANCE CELL (IQAC)

FEED BACK ANALYSIS & ACTION TAKEN REPORT 2019 – 2020

Bharath College of Science and Management will get regular Feedback from the Students related to Syllabus, Communication skill, facilities for Teaching and Learning methodology in various aspects. Feedback also received from Teachers, Alumni, Recruiters at different stages in each and every Academic Session.

IQAC has played a vital role in analysing the data accordingly. Based on IQAC analysis and its findings, the necessary actions were taken to improve the quality.

1. FEEDBACK ANALYSIS & ACTION TAKEN REPORT – STUDENTS

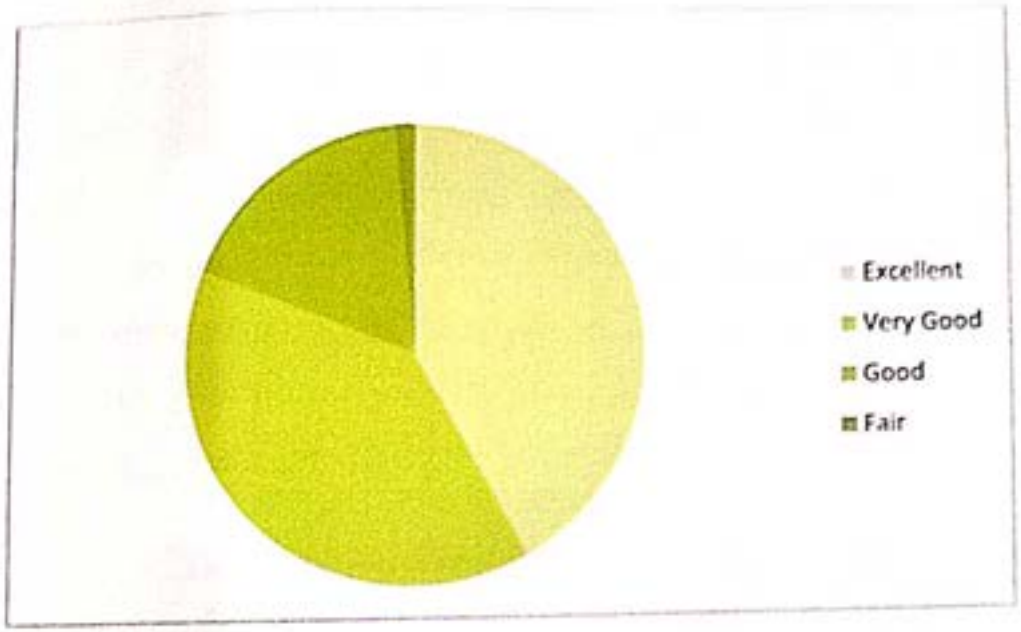
Feedback was collected by IQAC from students about Teacher, College, Quality of teaching and learning methods, infrastructure extra – curricular (Games, Sports and Cultural activities), and Co-Curricular activities (NSS, YRC) and other aspects during the academic year 2019 – 2020. The Presentation of feedback analysis and summary of action taken report are as follows.

FEEDBACK ANALYSIS

Sl.No	Description	Excellent	Very Good	Good	Fair
1	Sincerity/Punctuality/Commitment of the teacher	60.8	33.6	5.6	0
2	Interest generated by the teacher	36.8	52.8	10.4	0
3	Command over subject and communication skill	50.4	29.6	20	0
4	Accessibility of the teacher in and out of the class	36.8	50.4	12.8	0
5	Ability to conduct laboratory experiment/ design tests/ assignments/examination and projects	46.4	35.2	16.8	1.6
6	Laboratory	52	38.4	8.8	0.8

7	Library Facility	55.2	30.4	14.4	0
8	Interaction with college office	37.6	40.8	20	1.6
9	Interaction with principal	36	40	17.6	6.4
10	Drinking water	33.6	40.8	22.4	3.2
11	Toilet Utility	45.6	32.8	20	1.6
12	Co-Curricular Activity (NSS/NCC etc.)	42.4	36	21.6	0
13	Extra - Curricular Activity (Games and Sports, Cultural activities etc.)	60.8	27.2	11.2	0.8
14	Overall rating	39.2	37.6	20	3.2
15	The syllabus of the course is updated and useful in gaining subject knowledge	49.6	36.8	13.6	0
16	The syllabus of the course gives fundamentals and leads to critical thinking	43.2	36	20	0.8
17	The syllabus of the course is useful in gaining necessary skills for facing in different competitive examinations	39.2	44	16	0.8
18	The syllabus of the course emphasizes the learning of job oriented skills	26.4	46.4	25.6	1.6
19	The syllabus of the course gives importance to the conduct of practical and hands -on-training to the students	40.8	40	15.2	4
20	The time and credit allotted to each course	33.6	45.6	19.2	1.6
21	The completion of syllabus gives confidence pursuing higher studies	40	35.2	24	0.8
22	The syllabus does not result in any overloading on students during the semester	31.2	46.4	21.6	0.8
23	The contents of the course in the syllabus are comprehensive	33.6	43.2	21.6	1.6
24	Contents of the course enable acquisition of knowledge and related skills	31.2	47.2	20	1.6

Excellent	Very Good	Good	Fair
41.77	39.43	17.43	1.37



2019 – 2020

Action Taken Report – Based on the Feedback Received from the Students

1) Teaching is an Professional art. It is a noble profession. Parents send their wards for higher education with faith and good hope of the teachers. There is a need of transformation of teaching methodology from conventional to modern by adopting modern devices. Teachers are advised to identify the knowledge gap during the initial lectures and design remedial measures. The Institution provides modern method of Teaching and better facilities to supplement regular classroom teaching to make the learning process more effective. To attain this end LCD projectors are used the teaching.

2) Students are encouraged to participate in various curricular activities to enhance their skill and potential in different fields of education. Students are motivated to make presentations on the various areas of their interest and provide in-depth knowledge about the subjects.

3) Since, the University has its own Statutory body (Board of Studies) to frame syllabus, affiliated college like ours will follow the same syllabus. As we have no staff representation in the Board of Studies our role is limited, in preparation of syllabus. To further improve the skill of the student we would conduct value added and certificate courses to student in each and every programmes. It will enhance the students efforts to participate in competitive examinations.

PRINCIPAL
Bharath College of Science & Management
Bharath Avenue, Near New Bus Stand
THANJAVUR - 613 005

2019-2020

1

EX	VG	G	F	TOTAL
76	42	7	0	125

5

EX	VG	G	F	TOTAL
58	44	21	2	125

9

EX	VG	G	F	TOTAL
45	50	22	8	125

13

EX	VG	G	F	TOTAL
76	34	14	1	125

17

EX	VG	G	F	TOTAL
49	55	20	1	125

21

EX	VG	G	F	TOTAL
50	44	30	1	125

2

EX	VG	G	F	TOTAL
46	66	13	0	125

6

EX	VG	G	F	TOTAL
65	48	11	1	125

10

EX	VG	G	F	TOTAL
42	51	28	4	125

14

EX	VG	G	F	TOTAL
49	47	25	4	125

18

EX	VG	G	F	TOTAL
33	58	32	2	125

22

EX	VG	G	F	TOTAL
39	58	27	1	125

3

EX	VG	G	F	TOTAL
63	37	25	0	125

7

EX	VG	G	F	TOTAL
69	38	18	0	125

11

EX	VG	G	F	TOTAL
57	41	25	2	125

15

EX	VG	G	F	TOTAL
62	46	17	0	125

19

EX	VG	G	F	TOTAL
51	50	19	5	125

23

EX	VG	G	F	TOTAL
42	54	27	2	125

4

EX	VG	G	F	TOTAL
46	63	16	0	125

8

EX	VG	G	F	TOTAL
47	51	25	2	125

12

EX	VG	G	F	TOTAL
53	45	27	0	125

16

EX	VG	G	F	TOTAL
54	45	25	1	125

20

EX	VG	G	F	TOTAL
42	57	24	2	125

24

EX	VG	G	F	TOTAL
39	59	25	2	125

2019-2020

1	2	3	4
EX = 76/125 x100 = 60.8 VG = 42/125x100 = 33.6 G = 7/125 x100 = 5.6 F = 0/125 x100 = 0 100	EX = 46/125 x100 = 36.08 VG = 66/125 x100 = 52.8 G = 13/125 x100 = 10.4 F = 0/125 x100 = 0 100	EX = 63/125 x100 = 50.4 VG = 37/125 x100 = 29.6 G = 25/125 x100 = 20 F = 0/125 x100 = 0 100	EX = 46/125 x100 = 36.8 VG = 63/125x100 = 50.4 G = 16/125 x100 = 12.8 F = 0/125x100 = 0 100
5	6	7	8
EX = 58/125 x100 = 46.4 VG = 44/125 x100 = 35.2 G = 21/125 x100 = 16.8 F = 0/125 x100 = 0 100	EX = 65/125 x100 = 52 VG = 48/125 x100 = 32.4 G = 11/125 x100 = 8.8 F = 0/125 x100 = 0.8 100	EX = 69/125 x100 = 55.2 VG = 38/125 x100 = 30.4 G = 18/125 x100 = 14.4 F = 0/125 x100 = 0 100	EX = 47/125 x100 = 37.6 VG = 51/125x100 = 40.8 G = 25/125x100 = 20 F = 2/125 x100 = 1.6 100
9	10	11	12
EX = 46/125 x100 = 36 VG = 50/125 x100 = 40 G = 22/125 x100 = 17.6 F = 8/125 x100 = 6.4 100	EX = 42/125x100 = 33.6 VG = 51/125 x100 = 40.8 G = 28/125 x100 = 22.4 F = 4/125 x100 = 3.2 100	EX = 57/125x100 = 45.6 VG = 41/125 x100 = 32.8 G = 25/125 x100 = 20 F = 2/125 x100 = 1.6 100	EX = 53/125x100 = 42.4 VG = 45/125 x100 = 36 G = 27/125x100 = 21.6 F = 0/125 x100 = 01 100

13	14	15	16
EX = 76/125 x100 = 60.8 VG = 34/125 x100 = 27.2 G = 14/125 x100 = 11.2 F = 1/125 x100 = 0.8 100	EX = 49/125 x100 = 39.2 VG = 47/125 x100 = 37.6 G = 25/125 x100 = 20 F = 4/125 x100 = 3.2 100	EX = 62/125 x100 = 49.6 VG = 46/125 x100 = 36.8 G = 17/125 x100 = 13.6 F = 0/125 x100 = 0 100	EX = 54/125 x100 = 43.2 VG = 45/126 x100 = 36 G = 25/125 x100 = 20 F = 1/125 x100 = 0.8 100
17	18	19	20
EX = 49/125 x100 = 39.2 VG = 55/125 x100 = 44 G = 20/125 x100 = 16 F = 1/125 x100 = 0.8 100	EX = 33/125 x100 = 26.4 VG = 58/125 x100 = 46.4 G = 32/125 x100 = 25.6 F = 2/125 x100 = 1.6 100	EX = 51/125 x100 = 40.8 VG = 50/125 x100 = 40 G = 19/125 x100 = 15.2 F = 5/125 x100 = 4 100	EX = 42/125 x100 = 33.6 VG = 57/125 x100 = 45.6 G = 24/125 x100 = 19.2 F = 2/125 x100 = 1.6 100
21	22	23	24
EX = 50/125 x100 = 40 VG = 44/125 x100 = 35.2 G = 30/125 x100 = 24 F = 1/125 x100 = 0.8 100	EX = 39/125 x100 = 31.2 VG = 58/125 x100 = 46.4 G = 27/125 x100 = 21.6 F = 1/125 x100 = 0.8 100	EX = 42/125x100 = 33.6 VG = 54/125x100 = 43.2 G = 27/125 x100 = 21.6 F = 2/125 x100 = 1.6 100	39/. 39/125 x100 = 31.2 VG = 59/125 x100 = 47.2 G = 25/125 x100 = 20 F = 2/125 x100 = 1.6 100

2020-2021

BHARATH COLLEGE OF SCIENCE AND MANAGEMENT
(UGC RECOGNISED 2(F) & 12 (b) INSTITUTION)
AFFILIATED TO BHARATHIDASAN UNIVERSITY – TIRUCHIRAPPALLI
THANJAVUR – 613 005
INTERNAL QUALITY ASSURANCE CELL (IQAC)

FEED BACK ANALYSIS & ACTION TAKEN REPORT 2020 – 2021

Bharath College of Science and Management will get regular Feedback from the Students related to Syllabus, Communication skill, facilities for Teaching and Learning methodology in various aspects. Feedback also received from Teachers, Alumni, Recruiters at different stages in each and every Academic Session.

IQAC has played a vital role in analysing the data accordingly. Based on IQAC analysis and its findings, the necessary actions were taken to improve the quality.

1. FEEDBACK ANALYSIS & ACTION TAKEN REPORT – STUDENTS

Feedback was collected by IQAC from students about Teacher, College, Quality of teaching and learning methods, infrastructure extra – curricular (Games, Sports and Cultural activities), and Co-Curricular activities (NSS, YRC) and other aspects during the academic year 2020 – 2021. The Presentation of feedback analysis and summary of action taken report are as follows.

FEEDBACK ANALYSIS

Sl.No	Description	Excellent	Very Good	Good	Fair
1	Sincerity/Punctuality/Commitment of the teacher	64.57	32.28	3.15	0
2	Interest generated by the teacher	45.67	43.31	11.02	0
3	Command over subject and communication skill	43.31	46.46	10.23	0
4	Accessibility of the teacher in and out of the class	42.52	48.82	8.66	0
5	Ability to conduct laboratory experiment/ design tests/ assignments/examination and projects	44.09	46.46	9.45	0
6	Laboratory	55.12	36.22	8.66	0

7	Library Facility	44.09	43.32	12.59	0
8	Interaction with college office	42.52	44.88	11.02	1.58
9	Interaction with principal	40.13	45.67	9.47	4.73
10	Drinking water	45.67	38.58	15.75	0
11	Toilet Utility	40.95	44.09	14.96	0
12	Co-Curricular Activity (NSS/NCC etc.)	45.67	36.22	17.32	0.79
13	Extra - Curricular Activity (Games and Sports, Cultural activities etc.)	43.31	44.88	11.81	0
14	Overall rating	44.09	38.59	17.32	0
15	The syllabus of the course is updated and useful in gaining subject knowledge	51.18	40.94	7.09	0.79
16	The syllabus of the course gives fundamentals and leads to critical thinking	42.52	43.31	14.17	0
17	The syllabus of the course is useful in gaining necessary skills for facing in different competitive examinations	39.37	43.31	16.54	0.78
18	The syllabus of the course emphasizes the learning of job oriented skills	37.79	44.09	16.55	1.57
19	The syllabus of the course gives importance to the conduct of practical and hands -on-training to the students	38.59	48.82	12.59	0
20	The time and credit allotted to each course	33.07	49.61	16.54	0.78
21	The completion of syllabus gives confidence pursuing higher studies	42.52	42.52	14.17	0.79
22	The syllabus does not result in any overloading on students during the semester	34.65	48.03	15.75	1.57
23	The contents of the course in the syllabus are comprehensive	36.22	47.25	14.17	2.36
24	Contents of the course enable acquisition of knowledge and related skills	39.37	36.22	22.05	2.36

Excellent	Very Good	Good	Fair
43.21	43.08	12.96	0.75

2020 – 2021

Action Taken Report – Based on the Feedback Received from the Students

1. We plan to support Students centric methods, such as experimental learning, participative learning and problem solving methodologies which will enhance the learning experiences of the students.

2. The content of the course is not enable for acquisition of day to day knowledge and related skills. In addition we are conducting certificate and value added courses to enable the students to create their own self employment and to enhance their efforts to appear for the competitive examinations.

3. We conduct "Bookless class" for our students in every working Saturdays to enrich their knowledge other than their prescribed subjects.

PRINCIPAL
Bharath College of Science & Management
Bharath Avenue, Near New Bus Stand
THANJAVUR - 613 005.

2020-2021

		1		
EX	VG	G	F	TOTAL
82	41	4	0	127

5				
EX	VG	G	F	TOTAL
56	59	12	0	127

9				
EX	VG	G	F	TOTAL
51	58	12	6	127

13				
EX	VG	G	F	TOTAL
55	57	15	0	127

17				
EX	VG	G	F	TOTAL
50	55	21	1	127

21				
EX	VG	G	F	TOTAL
54	54	18	1	127

2				
EX	VG	G	F	TOTAL
58	55	14	0	127

6				
EX	VG	G	F	TOTAL
70	46	11	0	127

10				
EX	VG	G	F	TOTAL
58	49	20	0	127

14				
EX	VG	G	F	TOTAL
56	49	22	0	127

18				
EX	VG	G	F	TOTAL
48	56	21	2	127

22				
EX	VG	G	F	TOTAL
44	61	20	2	127

3				
EX	VG	G	F	TOTAL
55	59	13	0	127

7				
EX	VG	G	F	TOTAL
56	55	16	0	127

11				
EX	VG	G	F	TOTAL
52	56	19	0	127

15				
EX	VG	G	F	TOTAL
65	52	9	1	127

19				
EX	VG	G	F	TOTAL
49	62	16	0	127

23				
EX	VG	G	F	TOTAL
46	60	18	3	127

4				
EX	VG	G	F	TOTAL
54	62	11	0	127

8				
EX	VG	G	F	TOTAL
54	57	14	2	127

12				
EX	VG	G	F	TOTAL
58	46	22	1	127

16				
EX	VG	G	F	TOTAL
54	55	18	0	127

20				
EX	VG	G	F	TOTAL
42	63	21	1	127

24				
EX	VG	G	F	TOTAL
50	46	28	3	127

2020-2021

1	2	3	4
EX = 82/127 x100 = 64.51 VG = 41/127 x100 = 32.28 G1 = 4/127 x100 = 3.15 F = 0/127 x100 = 0 100	EX = 58/127 x100 = 45.67 VG = 55/127x100 = 43.31 G1 = 14/127 x100 = 11.02 F = 0/127 x100 = 0 100	EX = 55/127 x100 = 43.31 VG = 59/127 x100 = 46.46 G1 = 13/127 x100 = 10.23 F = 0/127 x100 = 0 100	EX = 54/127 x100 = 42.52 VG = 62/127x100 = 48.81 G1 = 11/127 x100 = 8.66 F = 0/127 x100 = 0 100
5	6	7	8
EX = 56/127 x100 = 44.09 VG = 59/127 x100 = 46.46 G1 = 12/127 x100 = 9.45 F = 0/127 x100 = 0 100	EX = 70/127 x100 = 55.12 VG = 46/127 x100 = 36.22 G1 = 11/127 x100 = 8.66 F = 0/127 x100 = 0 100	EX = 56/127 x100 = 44.09 VG = 55/127 x100 = 43.32 G1 = 16/127 x100 = 12.59 F = 0/127 x100 = 0 100	EX = 54/127 x100 = 42.52 VG = 57/127 x100 = 44.88 G1 = 14/127 x100 = 11.02 F = 2/127 x100 = 1.58 100
9	10	11	12
EX = 51/127 x100 = 40.13 VG = 58/127 x100 = 45.67 G1 = 12/127 x100 = 9.47 F = 6/127 x100 = 4.73 100	EX = 58/127 x100 = 45.67 VG = 49/127 x100 = 38.58 G1 = 20/127 x100 = 15.75 F = 0/127 x100 = 0 100	EX = 52/127 x100 = 40.95 VG = 56/127 x100 = 44.09 G1 = 19/127 x100 = 14.96 F = 0/127 x100 = 0 100	EX = 58/127 x100 = 45.67 VG = 46/127 x100 = 36.22 G1 = 22/127 x100 = 17.32 F = 1/127 x100 = 0.79 100

13	14	15	16
EX = 56/127 x100 =45.31 VG =57/127 x100 = 44.88 GI = 15/127 x100 = 11.81 F = 0/127 x100 = 0 100	EX = 56/127 x100 =44.09 VG = 49/127 x100 = 38.59 GI = 22/127 x100 = 17.32 F = 0/127 x100 = 0 100	EX = 65/127 x100 = 51.18 VGI = 52/127x100=40.94 GI = 9/127 x100 = 7.09 F = 1/127 x100 = 0.79 100	EX = 54/127 x100 = 42.52 VGI = 55/127 x100= 43.3 GI = 18/127 x100=14.17 F = 0/127 x100 = 0 100
17	18	19	20
EX = 50/127 x100 = 39.37 VG = 55/127x100 = 43.31 GI = 21/127 x100 = 16.54 F = 1/127 x100 = 0.78 100	EX = 48/127 x100 = 37.79 VG = 56/127 x100 =44.09 GI = 21/127 x100 = 16.55 F = 0/127 x100 = 1.57 100	EX = 48/127 x100 = 37.79 VGI = 56/127 x100=44.09 GI = 21/127 x100 = 16.65 F = 2/127 x100 = 1.57 100	EX = 42/127 x100 = 33.07 VGI = 63/127 x100 = 49.61 GI = 21/127 x100 = 16.54 F = 1/127 x100 = 0.78 100
21	22	23	24
EX = 54/127 x100 = 42.52 VGI = 54/127 x100 = 42.52 GI = 18/127 x100 = 14.17 F = 1/127 x100 = 0.79 100	EX = 44/127 x100 = 34.65 VGI = 61/127x100 = 48.03 GI = 20/127 x100 = 15.75 F = 2/127 x100 = 1.57 100	EX = 46/127 x100 = 36.22 VGI = 60/127 x100 = 47.25 GI = 18/127 x100 = 14.17 F = 3/127 x100 = 2.36 100	EX = 50/127 x100 = 39.37 VGI = 46/127 x100 = 36.22 GI = 28/127 x100 = 22.05 F = 3/127 x100 = 2.36 100

2021-2022

BHARATH COLLEGE OF SCIENCE AND MANAGEMENT
(UGC RECOGNISED 2(F) & 12 (b) INSTITUTION)
AFFILIATED TO BHARATHIDASAN UNIVERSITY – TIRUCHIRAPPALLI
THANJAVUR – 613 005
INTERNAL QUALITY ASSURANCE CELL (IQAC)

FEED BACK ANALYSIS & ACTION TAKEN REPORT 2021 – 2022

Bharath College of Science and Management will get regular Feedback from the Students related to Syllabus, Communication skill, facilities for Teaching and Learning methodology in various aspects. Feedback also received from Teachers, Alumni, Recruiters at different stages in each and every Academic Session.

IQAC has played a vital role in analysing the data accordingly. Based on IQAC analysis and its findings, the necessary actions were taken to improve the quality.

1. FEEDBACK ANALYSIS & ACTION TAKEN REPORT – STUDENTS

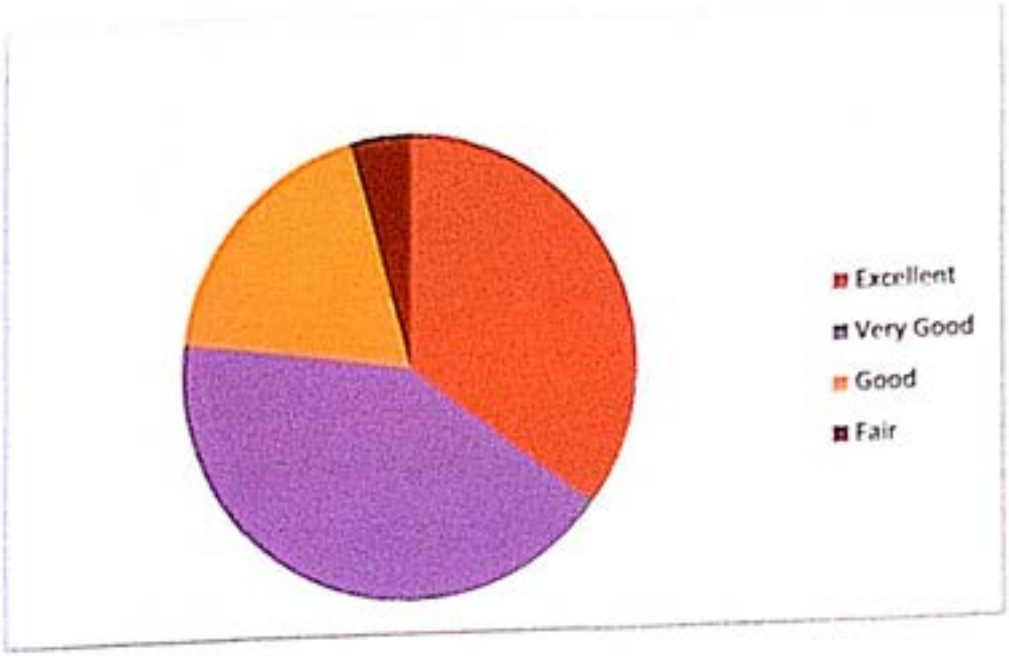
Feedback was collected by IQAC from students about Teacher, College, Quality of teaching and learning methods, infrastructure extra – curricular (Games, Sports and Cultural activities), and Co-Curricular activities (NSS, YRC) and other aspects during the academic year 2021 – 2022. The Presentation of feedback analysis and summary of action taken report are as follows.

FEEDBACK ANALYSIS

Sl.No	Description	Excellent	Very Good	Good	Fair
1	Sincerity/Punctuality/Commitment of the teacher	50.77	35.38	10	3.85
2	Interest generated by the teacher	33.85	50	16.15	0
3	Command over subject and communication skill	36.92	40	21.54	1.54
4	Accessibility of the teacher in and out of the class	33.85	43.07	20.77	2.31
5	Ability to conduct laboratory experiment/ design tests/ assignments/examination and projects	39.23	32.31	23.08	5.38

6	Laboratory	40.77	32.31	21.54	5.38
7	Library Facility	40	48.46	8.46	3.08
8	Interaction with college office	31.54	41.54	16.15	10.77
9	Interaction with principal	36.15	34.62	19.23	10
10	Drinking water	28.46	44.62	20.77	6.15
11	Toilet Utility	26.92	43.08	22.31	7.69
12	Co-Curricular Activity (NSS/NCC etc.)	31.54	38.46	24.62	5.38
13	Extra - Curricular Activity (Games and Sports, Cultural activities etc.)	35.38	44.62	16.92	3.08
14	Overall rating	39.23	42.31	16.15	2.31
15	The syllabus of the course is updated and useful in gaining subject knowledge	43.08	34.62	20	2.3
16	The syllabus of the course gives fundamentals and leads to critical thinking	29.23	46.15	23.08	1.54
17	The syllabus of the course is useful in gaining necessary skills for facing in different competitive examinations	34.65	51.53	9.22	4.6
18	The syllabus of the course emphasizes the learning of job oriented skills	30.77	45.38	20	3.85
19	The syllabus of the course gives importance to the conduct of practical and hands -on-training to the students	37.69	41.54	16.15	4.62
20	The time and credit allotted to each course	33.85	43.85	18.46	3.84
21	The completion of syllabus gives confidence pursuing higher studies	31.54	39.23	24.62	4.61
22	The syllabus does not result in any overloading on students during the semester	26.92	54.62	15.38	3.08
23	The contents of the course in the syllabus are comprehensive	27.69	38.46	31.54	2.31
24	Contents of the course enable acquisition of knowledge and related skills	40.77	43.85	10	5.38

Excellent	Very Good	Good	Fair
35.04	42.08	18.59	4.29



2021– 2022

Action Taken Report – Based on the Feedback Received from the Students:

1. Easy accessibility of teachers to students is one of the important features for healthy Teacher – Student relationship. In this regard, teachers are guided and activated to have an easy accessibility to their wards through conduct and coordinate seminars,workshop, group discussions and also motivate them to participate in various group activities.

2. To enhance over subject and communication skill the Bharathidasan University itself introduced a " Soft skill Paper " as a part of University ccurriculum for each and every programme and the same in followed our college. Our Management encourages Staff and Students to utilise the language lab which have 25computers exculisively for improving communication skill.

3. Actions were initiated to provide adequate and purified drinking water facilities to students and teachers. In this regard enough manpower and infrastructure were provided to meet the requirements of Staff and Students.

4. Steps were taken to modernise the existing toilet facilities to increase its utility.

5. Our college encourages students to carryout Intership, Field Visit and Field Project and Industrial visit to gain knowledge other than their academic activities.

PRINCIPAL
Bharath College of Science & Management
Bharath Avenue, Near New Bus Stand
THANJAVUR - 613 005

2021-2022

1				
EX	VG	G	F	TOTAL
66	46	13	5	130
5				
EX	VG	G	F	TOTAL
51	42	30	7	130
9				
EX	VG	G	F	TOTAL
47	45	25	13	130
13				
EX	VG	G	F	TOTAL
46	58	22	4	130
17				
EX	VG	G	F	TOTAL
45	67	12	6	130
21				
EX	VG	G	F	TOTAL
41	51	32	6	130

2				
EX	VG	G	F	TOTAL
44	65	21	0	130
6				
EX	VG	G	F	TOTAL
53	42	28	7	130
10				
EX	VG	G	F	TOTAL
37	58	27	8	130
14				
EX	VG	G	F	TOTAL
51	55	21	3	130
18				
EX	VG	G	F	TOTAL
40	59	26	5	130
22				
EX	VG	G	F	TOTAL
35	71	20	4	130

3				
EX	VG	G	F	TOTAL
48	52	28	2	130
7				
EX	VG	G	F	TOTAL
52	63	11	4	130
11				
EX	VG	G	F	TOTAL
35	56	29	10	130
15				
EX	VG	G	F	TOTAL
56	45	26	3	130
19				
EX	VG	G	F	TOTAL
49	54	21	6	130
23				
EX	VG	G	F	TOTAL
36	50	41	3	130

4				
EX	VG	G	F	TOTAL
44	56	27	3	130
8				
EX	VG	G	F	TOTAL
41	54	21	14	130
12				
EX	VG	G	F	TOTAL
41	50	32	7	130
16				
EX	VG	G	F	TOTAL
38	60	30	2	130
20				
EX	VG	G	F	TOTAL
44	57	24	5	130
24				
EX	VG	G	F	TOTAL
53	57	13	7	130

2021-2022

1 EX = 66/130 X100 = 50.77 VG = 46/130 X100 = 35.38 G = 13/130 X100 = 10 F = 0/130 X100 = 0 100	2 EX = 44/130 X100 = 33.85 VG = 65/130 X100 = 50 G = 21/130 X100 = 16.15 F = 0/130 X100 = 0 100	3 EX = 48/130 X100 = 36.92 VG = 52/130X100 = 40 G = 28/130X100 = 21.54 F = 2/130 X100 = 1.54 100	4 EX = 44/130 X100 = 35.85 VG = 56/130 X100 = 43.07 G = 27/130 X100 = 20.77 F = 3/130 X100 = 2.31 100
5 EX = 51/130 X100 = 39.23 VG = 42/130X100 = 32.31 G = 30/130X100 = 23.08 F = 7/130 X100 = 5.38 100	6 EX = 53/130 X100 = 40.77 VG = 42/130 X100 = 32.31 G = 28/130 X100 = 21.54 F = 7/130 X100 = 5.38 100	7 EX = 52/130 X100 = 40 VG = 63/130 X100 = 48.46 G = 11/130 X100 = 8.46 F = 4/130 X100 = 3.08 100	8 EX = 41/130X100 = 31.54 VG = 54/130X100 = 41.54 G = 21/130 X100 = 16.15 F = 14/130 X100 = 10.77 100
9 EX = 47/80 X100 = 36.15 VG = 45/130 X100 = 34.62 G = 25/130 X100 = 19.23 F = 13/130X100 = 10 100	10 EX = 37/130 X100 = 28.46 VG = 58/130 X100 = 44.62 G = 27/130 X100 = 20.77 F = 8/130 X100 = 6.15 100	11 EX = 35/130 X100 = 26.92 VG = 56/130X100 = 43.08 G = 29/130 X100 = 22.31 F = 10/130 X100 = 7.69 100	12 EX = 41/130X100 = 31.54 VG = 50/130X100 = 38.46 G = 32/130 X100 = 24.62 F = 7/130 X100 = 5.38 100

13	14	15	16
EX = 46/150 x100 = 35.38 VG = 68/130x100 = 44.62 G1 = 22/130x100 = 16.92 F = 4/130x100 = 3.08 100	EX = 51/130x100 = 39.23 VG = 55/130x100 = 42.31 G1 = 21/130x100 = 16.15 F = 3/130 x100 = 2.31 100	EX = 56/130 x100 = 43.08 VG = 45/130 x100 = 34.62 G1 = 26/130 x100 = 20 F = 3/130 x 100 = 2.30 100	EX = 38/130 x100 = 29.23 VG = 60/130x100 = 46.15 G1 = 30/130x100 = 23.08 F = 2/130x 100 = 1.54 100
17	18	19	20
EX = 45/130x100 = 34.65 VG = 67/130x100 = 31.33 G1 = 12/130x100 = 9.22 F = 6/130x100 = 4.60 100	EX = 40/130 x100 = 30.77 VG = 59/130x100 = 45.38 G1 = 26/130 x100 = 20 F = 5/130x100 = 3.85 100	EX = 49/130 x100 = 37.69 VG = 54/130x100 = 41.54 G1 = 21/130x100 = 16.15 F = 6/130 x100 = 4.62 100	EX = 44/130x100 = 33.85 VG = 57/130x100 = 43.85 G1 = 24/130x100 = 18.46 F = 5 x130x100 = 3.84 100
21	22	23	24
EX = 41/130 x100 = 31.54 VG = 51/130x100 = 39.25 G1 = 32/130x100 = 24.62 F = 6/130 x100 = 4.61 100	EX = 35/130x100 = 26.92 VG = 71/130x100 = 54.62 G1 = 20/130 x100 = 15.38 F = 4/130 x 100 = 3.08 100	EX = 36/130x100 = 27.69 VG = 50/130x100 = 38.46 G1 = 41/130x100 = 31.54 F = 3/130 x100 = 2.31 100	EX = 53/130x100 = 40.77 VG = 57/130x100 = 43.85 G1 = 13/130 x100 = 10 F = 7/130x100 = 5.38 100