Bahona College

Students' Feedback Analysis

2016-17

IQAC
4/20/2017

STUDENTS FEEDBACK ANALYSIS

For the Session 2016-2017

IQAC, Bahona College, Bahona Jorhat

Foreword

Students' Feedback Analysis on faculty's performance, by nature, is a self assessing mechanism and helps to go for adequate steps for quality improvement course and class room transactions are concerned. Students' feedback whatever done in classroom is immeasurable and so not helping in estimating one's relative position. Academic excellence of an educational institution is the ultimate goal which is to feed by a number of quality inputs; the important ones are teaching and teacher's quality. A teacher with best academic performance may not be teaching friendly whether it is inside and outside the class room. Without making transaction with students fruitfully friendly, just compulsory completion of workload as per course allocation and attendance in classes as per routine allotment are not but futile exercises. It requires measuring the lacks in one's achievements in the perception of students. With this understanding the IQAC of Bahona College develops a mechanism of students' feedback analysis as a measure of self-evaluation and to find the policy path for quality development. A ten-point quality index mechanism was formulated, with little modification of the method used for the session 2012-13.

Objectives

1. To make faculty and departmental level assessment of teaching and teachers' quality in the perception of students.
2. To develop a competitive zeal in teaching environment.
3. To trace policy path for quality development and necessary action there on.

Methods

The steps followed in this students analysis are –

1. Teachers qualities have been covered on the basis of following quality indicators-

Sl. No	Quality Indicators
1	Clarity in explanation (CE) 1.a: Audibility 1.b: Intelligibility 1.c: Note down opportunity 1.d: Remembrance impact
2	Knowledgeable (Knl) 2.a : Subject knowledge 2.b : Specificity 2.c : Course consistency in teaching
3	Responsibility (Res) 3.a : Completion of syllabus 3.b : Remedial measure 3.c : Opportunity to inter-action
4	Cooperation (Cop) 4.a : Off class room guidance 4.b : Material support
5	Punctuality (Punc) 5.a : Class regularity 5.b : Timely result

6	Motivation (Mot) 6.1 : Inspiration 6.2 : Higher education counseling
7	Friendliness (Frn) 7.1 : Approachability 7.2 : Response students' query
8	Stability (Stab)
9	Mentorability (Ment)
10	Sense of humour (SH)

To make the quality indicators observable, they were converted to four grades – less than average (A), average (B), good (C) and excellent (D). Thus a questionnaire was so prepared to have in-built descending order of quality parameters. That is, more important quality indicators are placed before the less important ones. Again, to have consistency in importance, the number of questions put against each quality parameters decreases from 4 to 1. To make the grade measurable they are converted to numbers - 1 is assigned for grade A, 2 for B, 3 for C and 4 for D. To get single value for an indicator, average is taken for those parameters having more than one question.

3. Students' feedback index (SFI) was formulated as follows –

$$SFI = 1 - \frac{Maximum\ value\ of\ feedback\ response - Actual\ value\ of\ feedback\ response}{Maximum\ value\ of\ feedback\ response - Minimum\ value\ of\ feedback\ response}$$

Here,

- Maximum value of feedback response = Students' number × highest value (=4)
  Minimum value of feedback response = Students' number × lowest value (=0)
- Actual value of feedback response = Students' number × value actually assigned
- SFI ranges from 0 to 1

Thus, SFI, being a relative measure, it neutralizes the difference in students' and faculty number among the departments having response to the feedback questionnaire. So it is comparable across the faculties, departments and above mentioned indicators.

On the basis of SFI following three Composite Quality Indicators can be derived.

1. **Quality Height:** the position of the quality graph matters. The more is the upward position of the graph, the more is the achievement in quality attainment and vice versa. In case of faculty it can be measured by finding the sum of SFIs attained across the quality parameters. In case of department it can be measured by averaging faculty total SFI. The faculty/department with highest total SFI/average SFI can be termed as **Best Quality Achiever (QA)**.

2. **Quality balance:** A quality graph can be fitted for each faculty and department across its SFI attainment across quality parameters. The horizontal straightness of this graph is reflective of quality balance. The more is the horizontal, the more is quality balance and vice versa. Statistically it can be measured in terms of variance of the SFI attained across the quality parameters. The faculty/department with lowest SFI variance can be termed as **Best Quality Balancer (QB)**.

3. **Quality Direction:** The direction of the graph is reflective of the importance assigned to quality parameters. The more is the negative slope the less importance is given to less important quality parameters and vice versa. The slope being negative

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but covering all the quality parameter implies more importance is given to more important quality parameters and less importance to less important parameters. Contrary to this, the slope of the graph being positive implies that more importance is given to less important quality parameters and less importance is given to more important ones. Here negative slope deserves. Statistically it can be measured by finding the trend coefficient (rate of change) of the SFI attained across the quality parameters. One is in quality concentrator (QC) when the coefficient (or slope) is negative and in quality de-track when the coefficient is positive. A faculty / department with highest negative coefficient can be recognized as **Best Quality Concentrator (QC)**.

4. It is to note here that quality tracking and quality balancing are mutually exclusive. That is, a best balancer can never be a best quality tracker. Here an issue of value judgement occurs – who is better – quality tracker or quality balancer? Balancing all the qualities is better than avoiding certain qualities.

It has already been stated that QC and QB are mutually exclusive. It implies that one being quality achiever can either be quality balancer or quality concentrator. It implies that one being quality balancer (giving more or less equal importance to all quality parameters) cannot be quality concentrator (Giving more importance to more important quality parameters and vice versa). Of QB and QC which is better is a matter of value judgment. If ranked as per quality teaching-learning transaction the preference pattern is QA>QB>QC. (here '>' implies 'preferred to'). Giving more importance to more important quality parameters is better than giving low level equal importance to all quality parameters. Thus, this preference pattern is transitive in this way – QA+QB > QA+QC. That is achieving higher balance in all quality parameters is better than achieving high by concentrating to a few quality parameters. Considering this transitive preference pattern faculties and departments have been ranked.

Special considerations

1. The students participating in the feedback mechanism are mostly of 6th semester.
2. They are assumed to be impartial and independent in assigning grades to the faculties.
3. The ten indicators considered here are assumed to be so comprehensive so as to cover all the quality aspects of teaching and teachers.
4. The results are rough in nature only as per students' perception, as such depends how far students are mature, impartial and neutral in their judgment.

Discussions

Discussion will be made in tabular and diagrammatic forms. Here the results will be placed in toto, Anyone interested can collect the soft copies of the calculation and can further its analysis.

Discussion heads are –

1. Intra-departmental comparison
2. Inter departmental comparison
3. Ranking of Faculties
4. Ranking of departments

Department Specific Faculty Comparison

Department of Political Science

Table 1 : Faculty wise SFI distribution

Faculties	1	2	3	4	5	6	7	8	9	10
Sanjoy Mili	0.663	0.870	0.740	0.688	0.828	0.672	0.688	0.750	0.641	0.797
Ranjit Pegu	0.770	0.729	0.641	0.672	0.680	0.609	0.656	0.781	0.547	0.781
Mridul Dutta	0.922	0.922	0.828	0.836	0.977	0.961	0.898	0.922	0.906	0.922
4. Pankaj Bora	0.676	0.615	0.479	0.656	0.516	0.445	0.453	0.578	0.656	0.656

Table 2 : Composite quality indicators

Faculty	Slope (QC)	Variance (QB)	Average SFI (QA)
S. Mili	-18.79	0.083	0.754
R. Pegu	-5.28	0.078	0.687
M. Dutta	13.33	0.047	0.909
P. Bora	-0.45	0.092	0.573

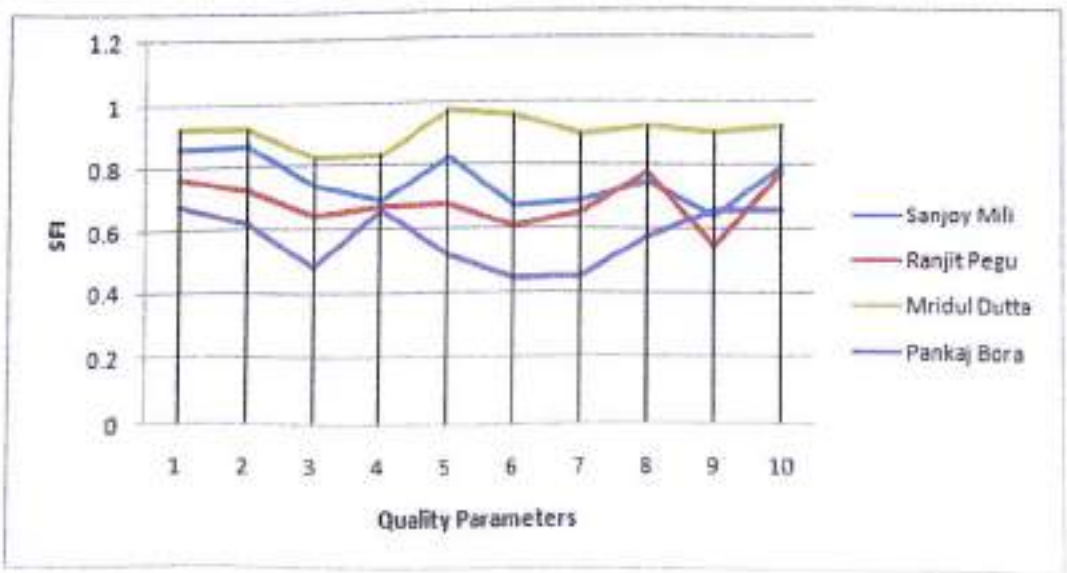
Note:

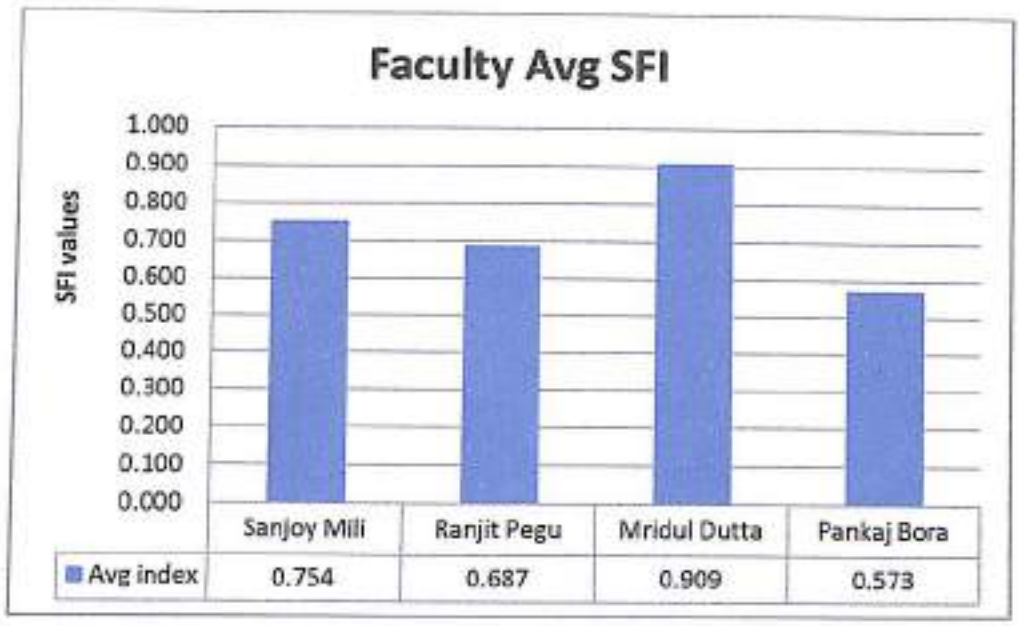
1. Best quality achiever : M. Dutta
2. Best quality balancer : M. Dutta
3. Best quality concentrator : S. Mili

Table 3 : Ranking of the faculties

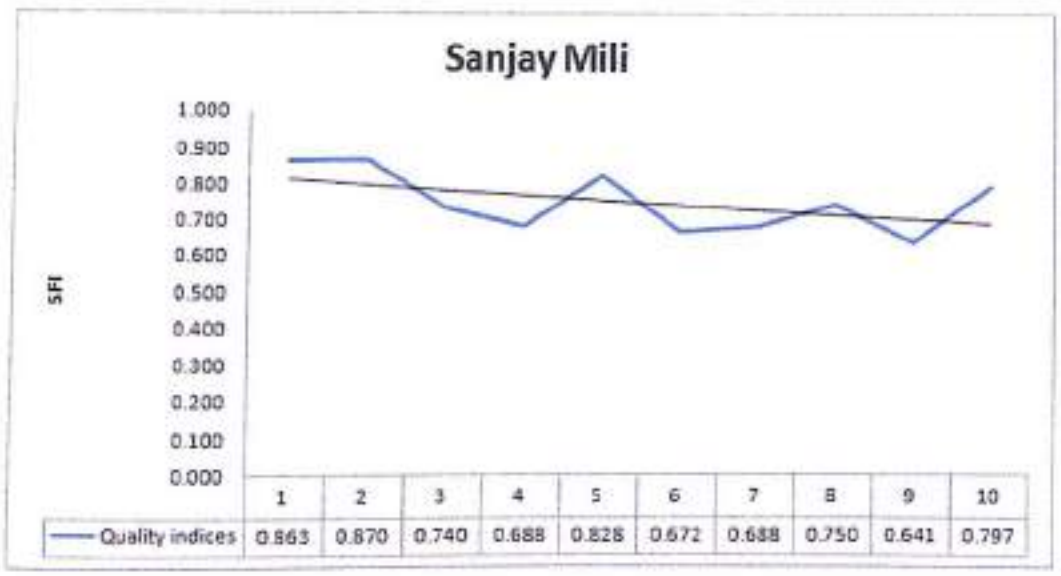
Faculty	Slope (QC)	Variance (QB)	Average SFI (QA)	Total (QA+QB)	Ranks
S. Mili	4	3	3	6	2nd
R. Pegu	3	2	2	4	3rd
M. Dutta	1	4	4	8	1st
P. Bora	2	1	1	2	4th

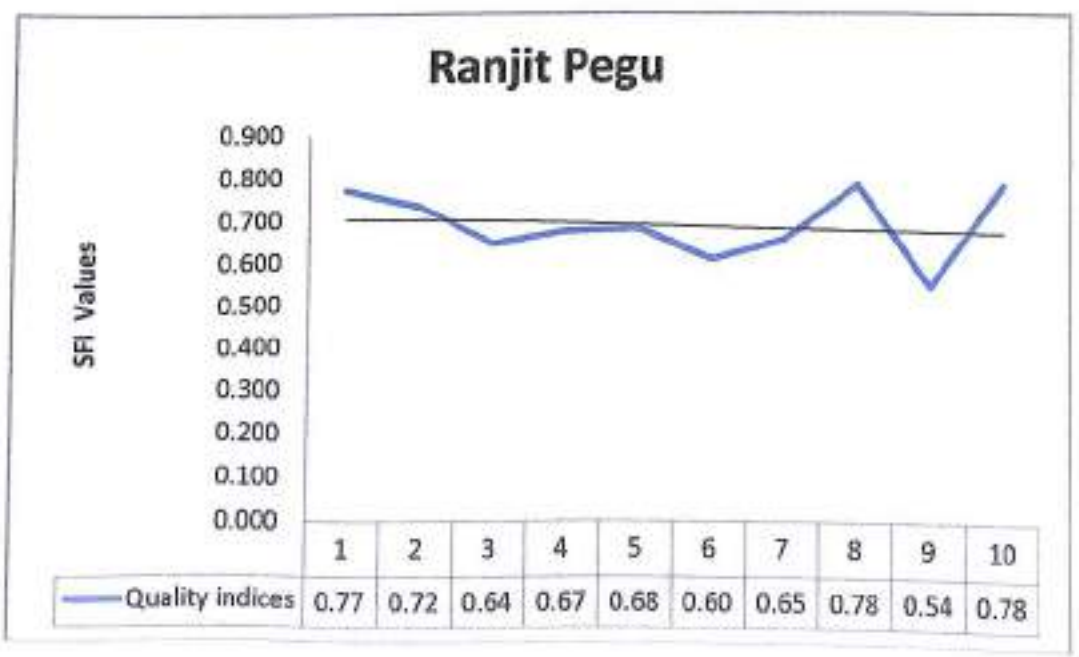
Quality graphs : Faculty comparison

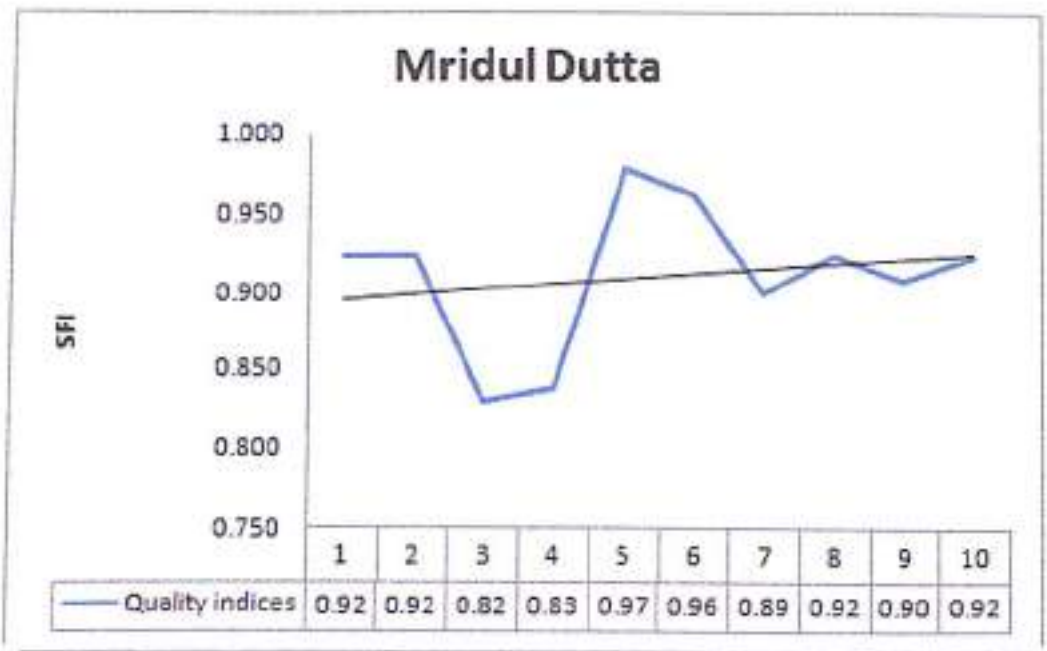


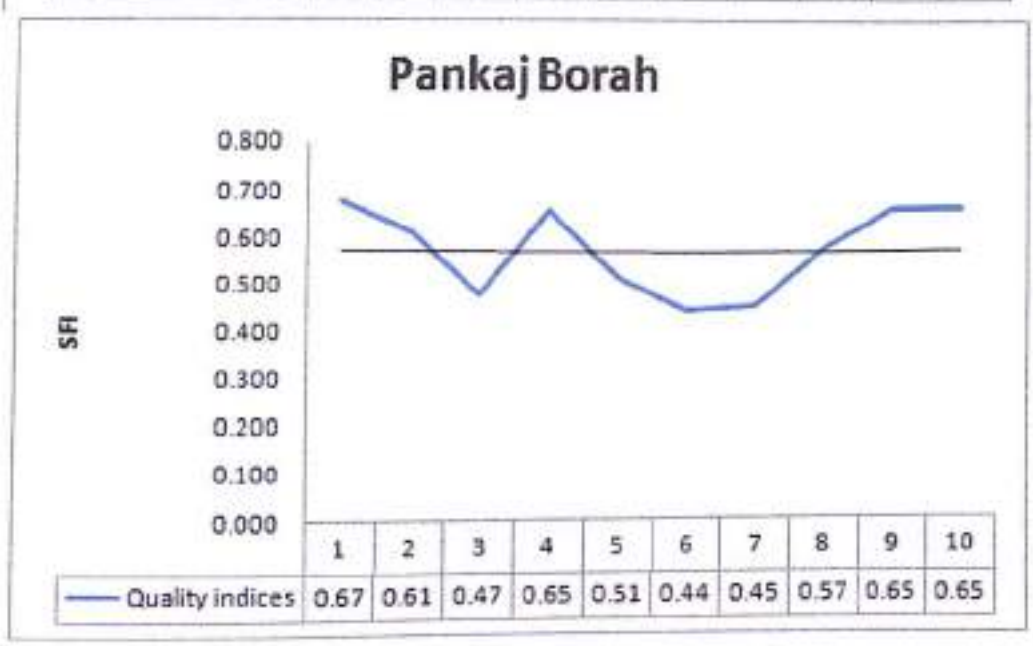


Quality graphs and trends : Faculty individual









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Department of Economics

Table 1 : SFI distribution of faculties

Faculties	1	2	3	4	5	6	7	8	9	10
Binoda Bora	0.702	0.853	0.888	0.779	0.913	0.635	0.832	0.875	0.712	0.558
Rofique Ahmed	0.923	0.926	0.913	0.947	0.899	0.889	0.894	0.923	0.952	0.952
Mainu Moni Saikia	0.947	0.939	0.926	0.923	0.966	0.865	0.952	0.923	0.952	0.904
Reema Rabha	0.904	0.974	0.923	0.909	0.928	0.837	0.923	0.923	0.904	0.712

Table 2 : Composite quality indicators

Faculty	Slope (QC)	Variance (QB)	Average SFI (QA)
Binoda Bora	-9.69	0.119	0.775
Rofique Ahmed	32.71	0.023	0.922
Mainu Moni Saikia	- 21.64	0.029	0.930
Reema Rabha	- 24.10	0.072	0.894

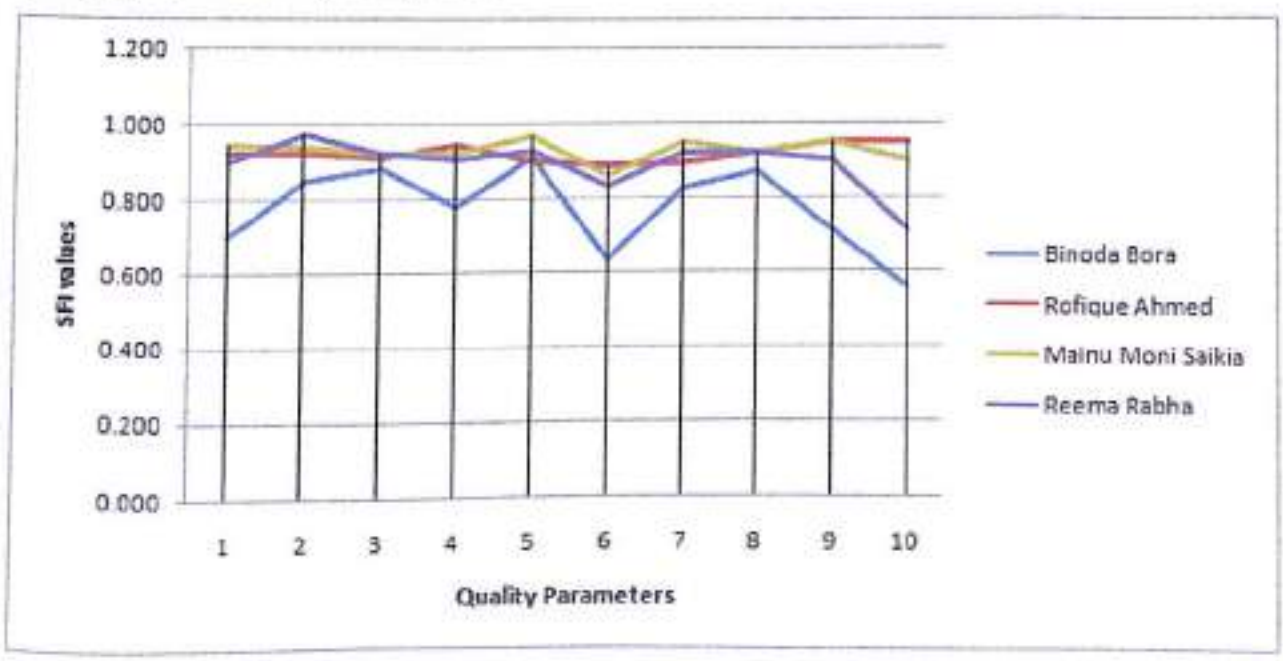
Note:

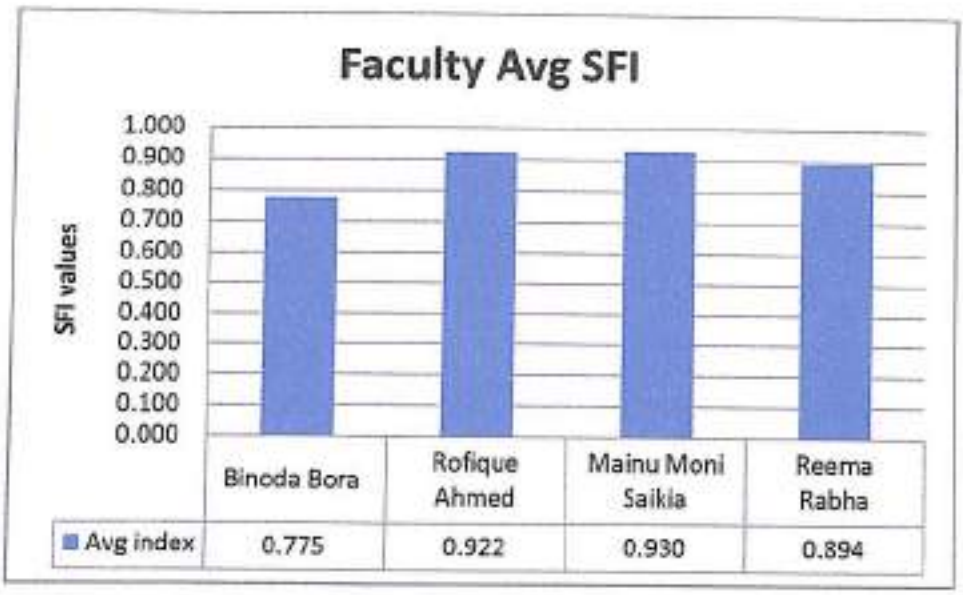
1. Best Quality Achiever : Mainu Moni Saikia
2. Best Quality Balancer : Rofique Ahmed
3. Best Quality Concentrator : Reema Rabha

Table 3 : Ranking of the faculties

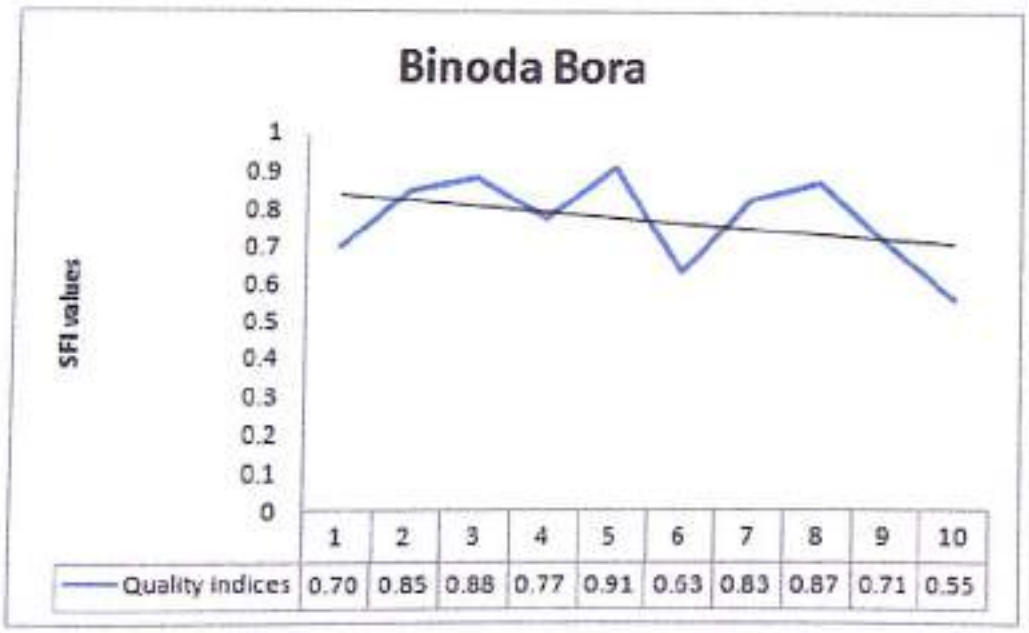
Faculty	Slope (QT)	Variance (QB)	Average SFI (QA)	Total (QA+QB)	Ranks
Binoda Bora	2	1	1	2	3rd
Rofique Ahmed	1	4	3	7	1st
Mainu Moni Saikia	3	3	4	7	1st
Reema Rabha	4	2	2	4	2nd

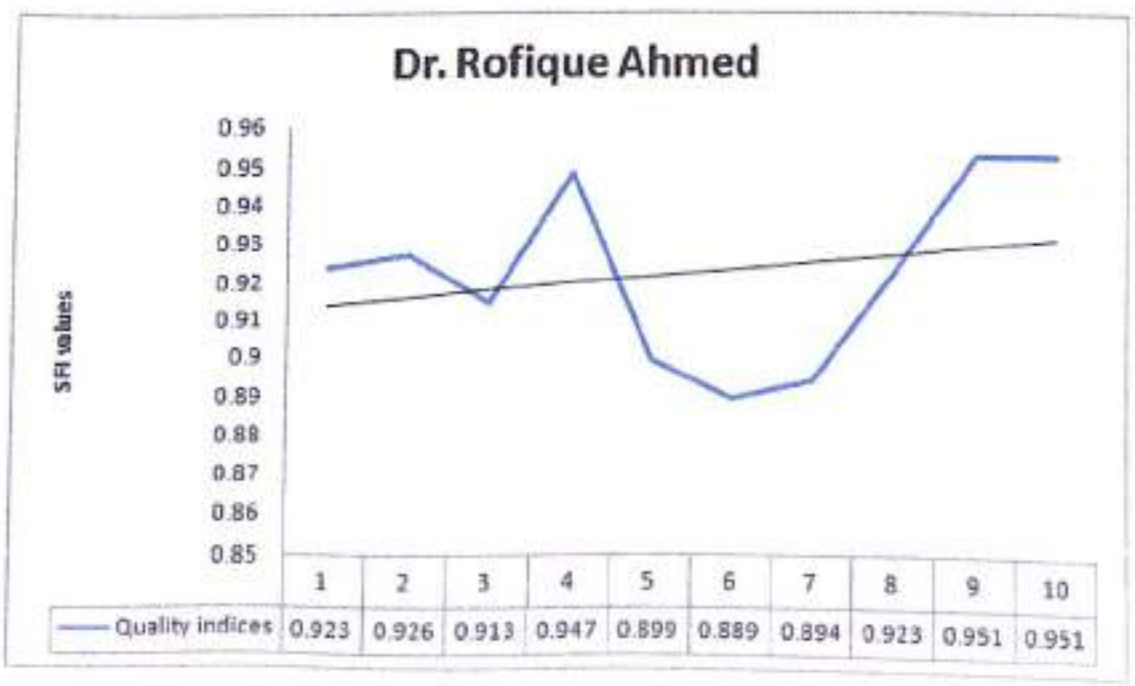
Quality graphs : Faculty comparison

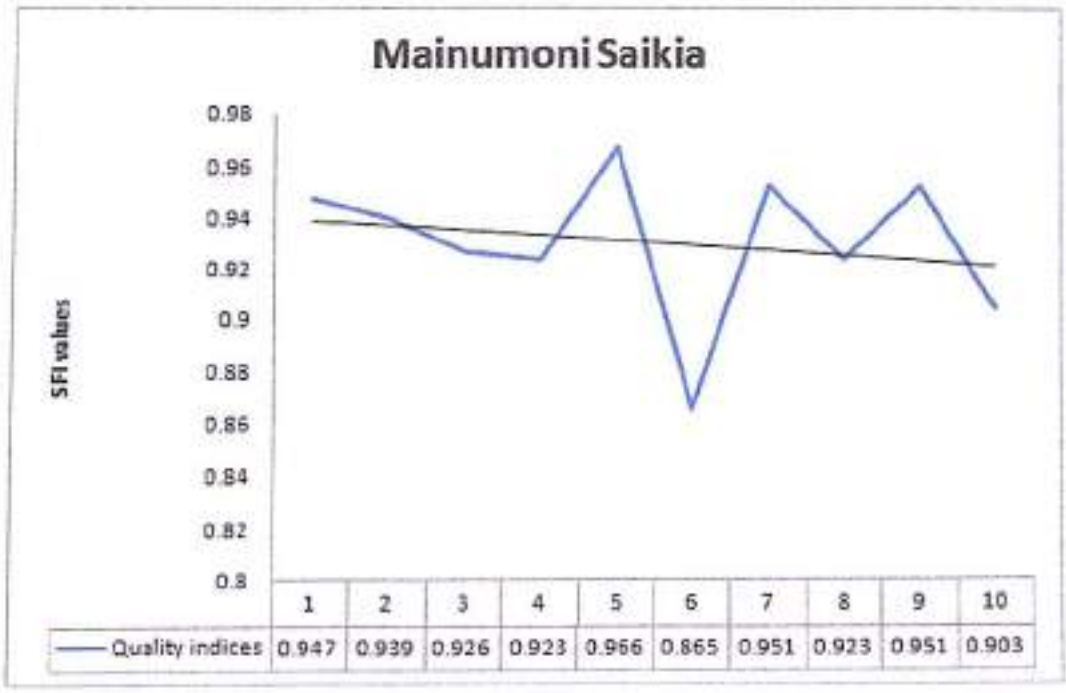


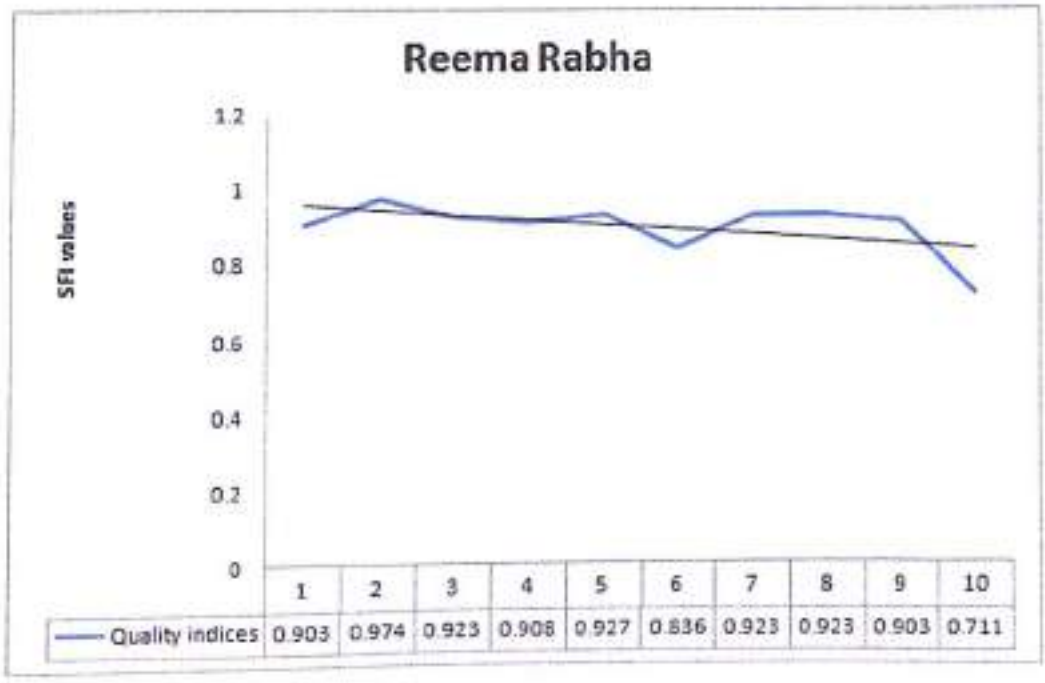


Quality graphs : Faculty individual presentation









Department of Assamese

Table 1 : SFI distribution across faculties

	1	2	3	4	5	6	7	8	9	10
Santosh Borthakur	0.875	0.958	0.964	0.867	0.953	0.930	0.969	0.938	0.656	0.844
Namita Chutia Saikia	0.992	0.943	0.917	0.867	0.930	0.883	0.961	0.969	0.656	0.891
Madhusmita B. Changkakoti	0.898	0.833	0.964	0.859	0.945	0.828	0.945	0.953	0.750	0.859
Biba Rani Das	0.945	0.896	0.953	0.883	0.930	0.930	0.961	0.984	0.672	0.906
Sarala Das	0.996	0.974	0.979	0.961	0.992	0.961	0.977	1.000	0.750	0.906

Table 2 : Composite quality indicators

Faculty	Slope (QC)	Variance (QB)	Average SFI (QA)
Santosh Borthakur	- 13.799	0.095	0.895
Namita Chutia Saikia	- 15.005	0.095	0.901
Madhusmita B. Changkakoti	- 9.686	0.070	0.884
Biba Rani Das	0.977	0.088	0.906
Sarala Das	1.197	0.075	0.950

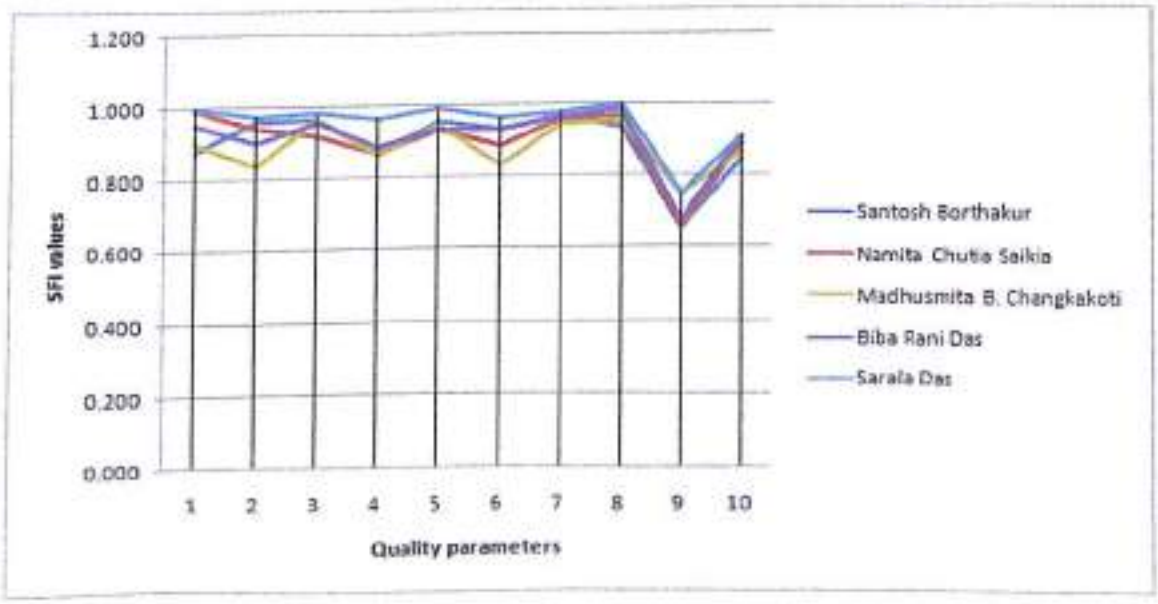
Note:

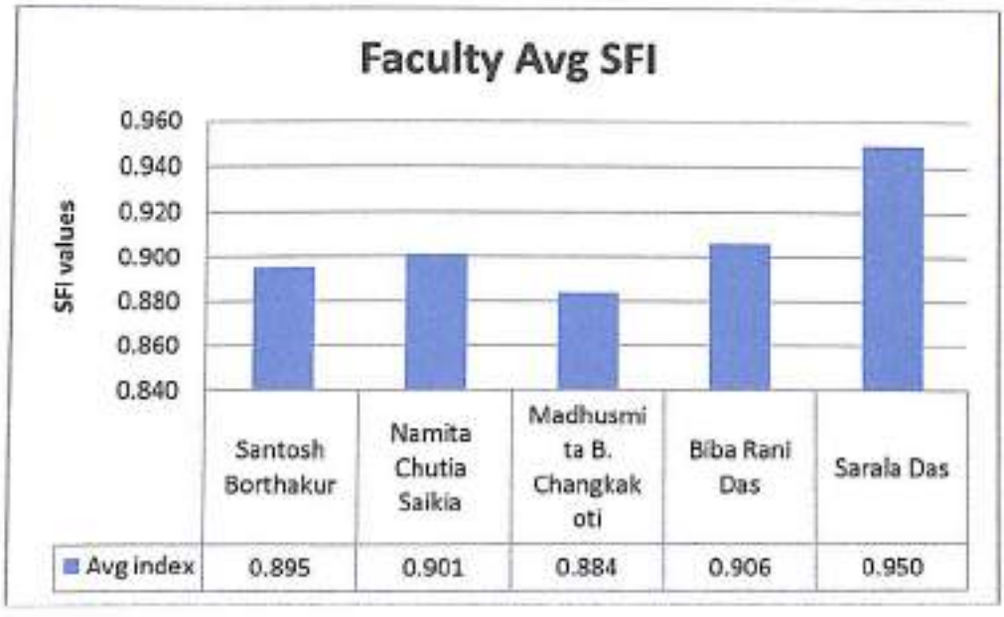
1. Best Quality Achiever : Sarala Das
2. Best Quality Balancer : Madhusmita B. Changkakoti
3. Best Quality Concentrator : Namita Chutia Saikia

Table 3 : Ranking of the faculties

Faculty	Slope (QC)	Variance (QB)	Average SFI (QA)	Total (QA+QB)	Ranks
Santosh Borthakur	4	2	2	4	5th
Namita Chutia Saikia	5	2	3	5	4th
Madhusmita B. Changkakoti	3	5	1	6	3rd
Biba Rani Das	2	3	4	7	2nd
Sarala Das	1	4	5	9	1st

Quality graphs: Faculty comparison





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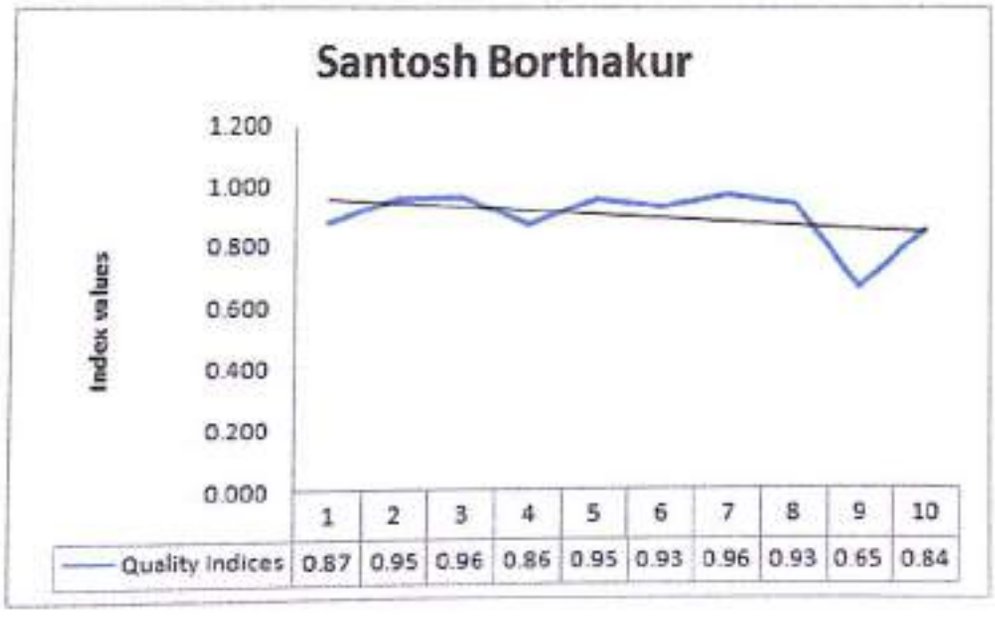
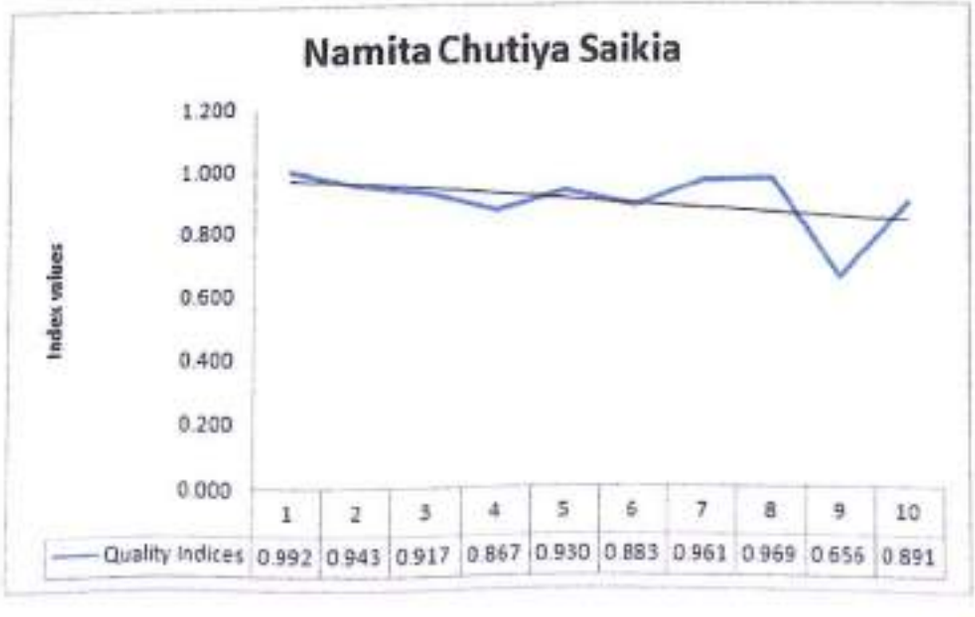
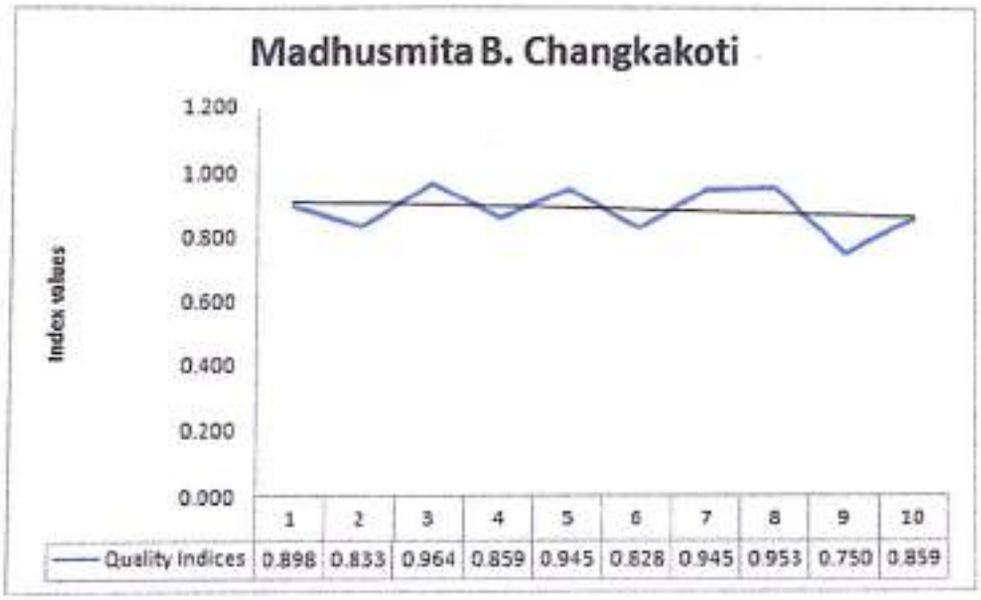
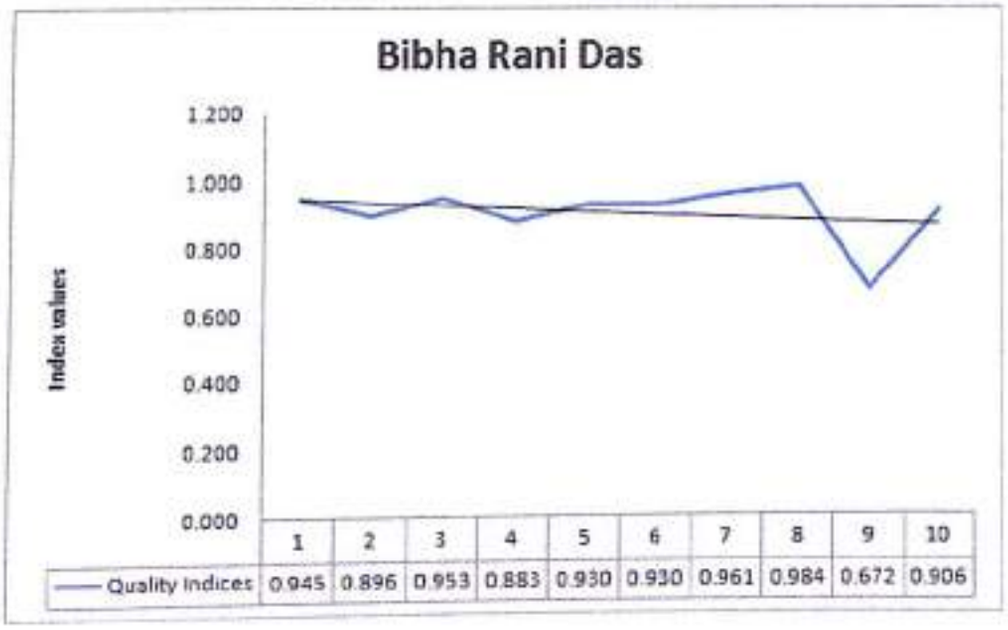
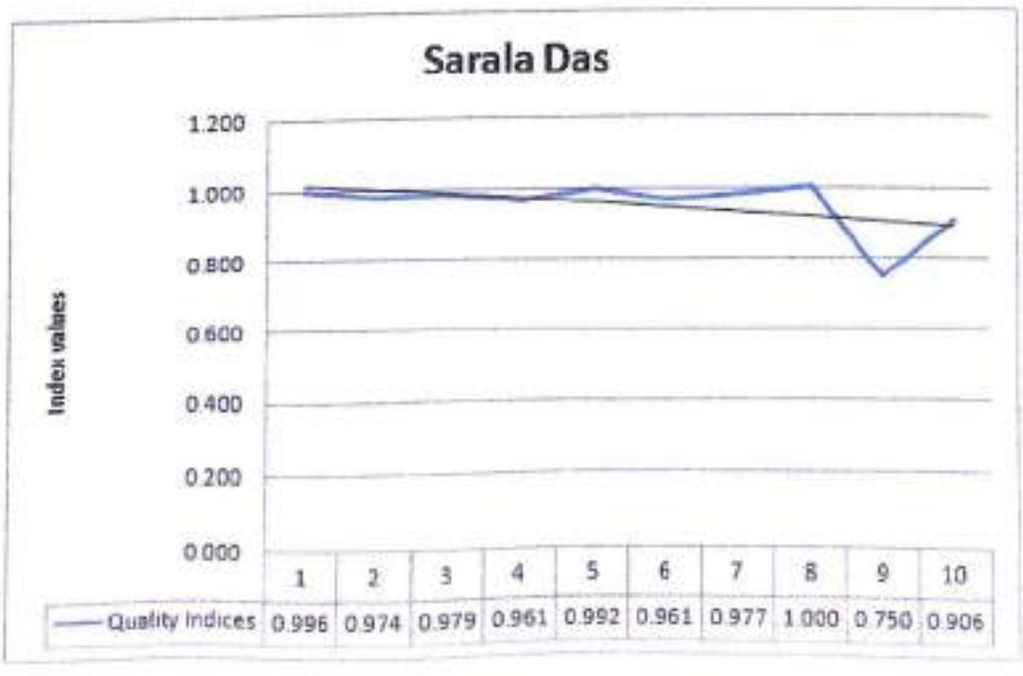
Quality graphs: Faculty individual






Madhusmita B. Changkakoti
Index values
1.200
1.000
0.800
0.600
0.400
0.200
0.000
1 2 3 4 5 6 7 8 9 10
Quality Indices 0.898 0.833 0.964 0.859 0.945 0.828 0.945 0.953 0.750 0.859


Bibha Rani Das
Index values
1.200
1.000
0.800
0.600
0.400
0.200
0.000
1 2 3 4 5 6 7 8 9 10
Quality Indices 0.945 0.896 0.953 0.883 0.930 0.930 0.961 0.984 0.672 0.906


Sarala Das
Index values
1.200
1.000
0.800
0.600
0.400
0.200
0.000
1 2 3 4 5 6 7 8 9 10
Quality Indices 0.996 0.974 0.979 0.961 0.992 0.961 0.977 1.000 0.750 0.906

Department of English

Table 1 : SFI distribution across the faculties

Faculties	1	2	3	4	5	6	7	8	9	10
Santana Saikia	0.979	0.954	0.898	0.965	0.910	0.979	0.965	0.944	0.986	0.875
Samir Ranjan Bora	0.934	0.949	0.917	0.868	0.951	0.854	0.938	0.917	0.875	0.806
Ajit Kr. Bora	0.892	0.944	0.889	0.826	0.938	0.847	0.917	0.931	0.875	0.764
Amar jyoti Devnath	0.906	0.926	0.903	0.931	0.924	0.875	0.958	0.931	0.931	0.917

Table 2 : Composite quality indicators

Faculty	Slope (QC)	Variance (QB)	Average SFI (QA)
S. Saikia	-15.450	0.038	0.946
S. Barua	-37.537	0.048	0.901
A. K. Bora	-21.616	0.057	0.882
A.D. Nath	34.270	32.80	0.920

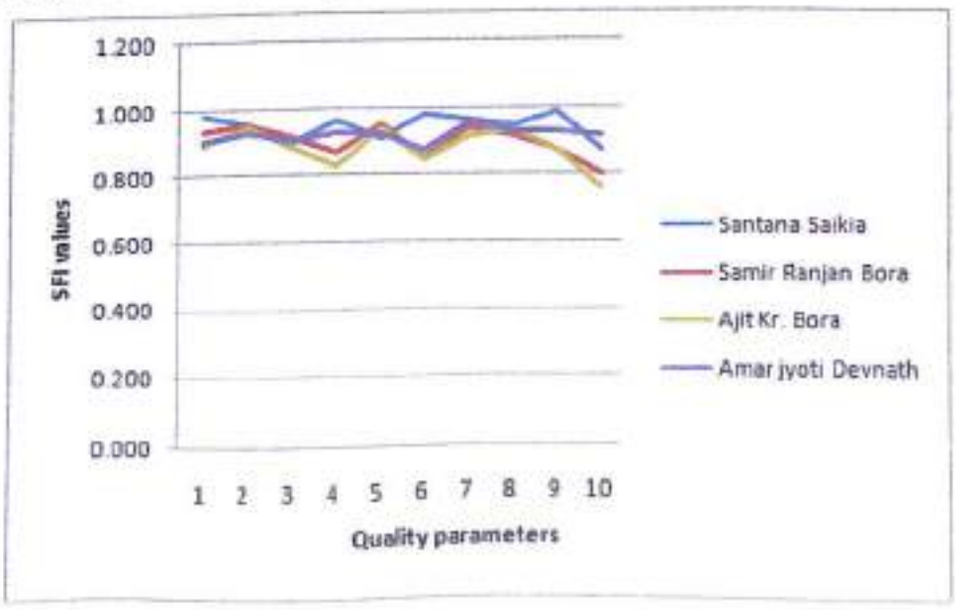
Note :

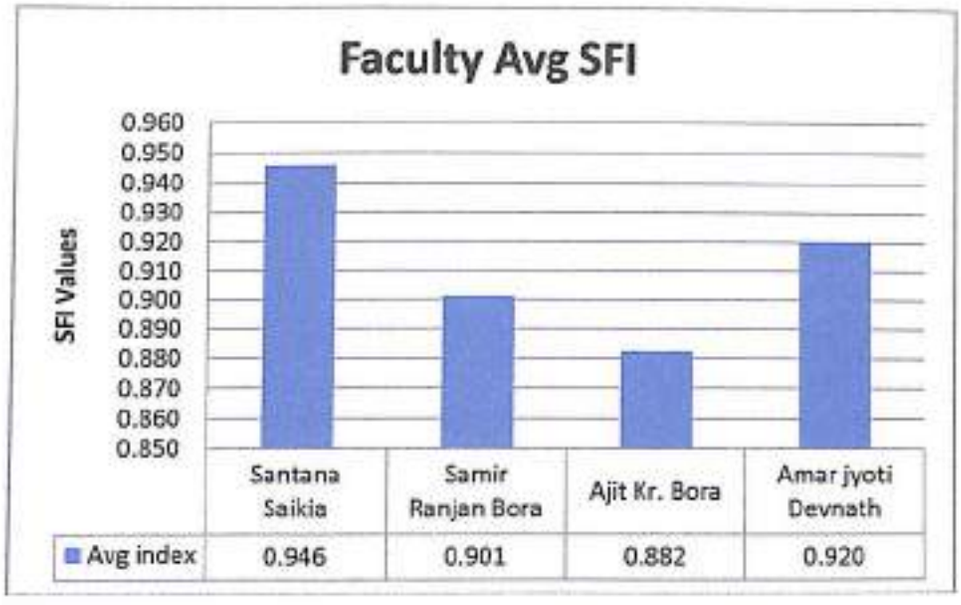
1. Best Quality Achiever : Dr. S. Saikia
2. Best Quality Balancer : Dr. S. Saikia
3. Best Quality Concentrator : S. Barua

Table 3 : Ranking of the faculties

Faculty	Slope (QC)	Variance (QB)	Average SFI (QA)	Total (QA+QB)	Ranks
S. Saikia	2	4	4	8	1st
S. Barua	4	3	2	5	2nd
A. K. Bora	3	2	1	3	4th
A.D. Nath	1	1	3	4	3rd

Quality graphs : Faculty Comparison





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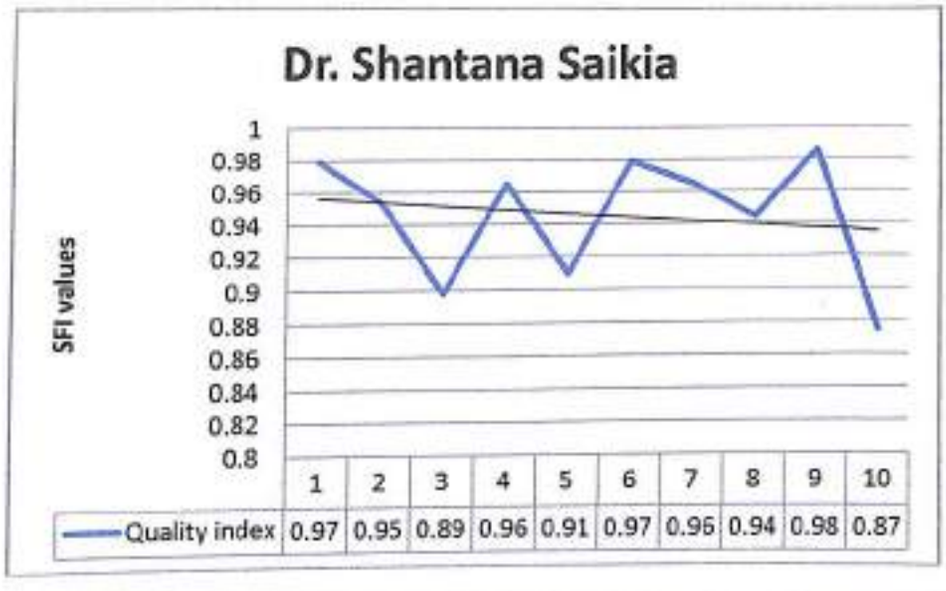
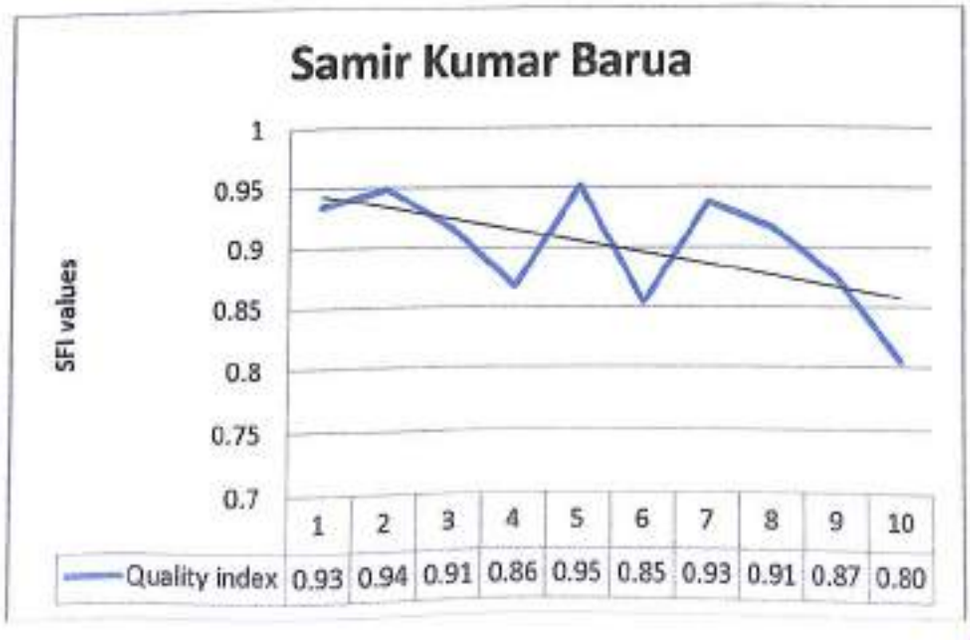
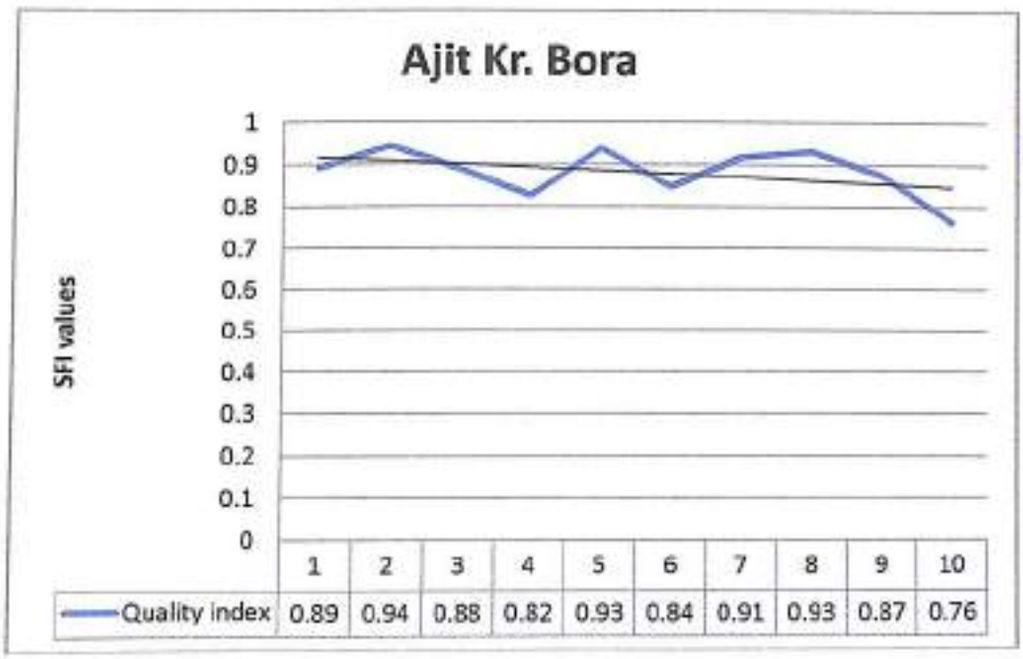
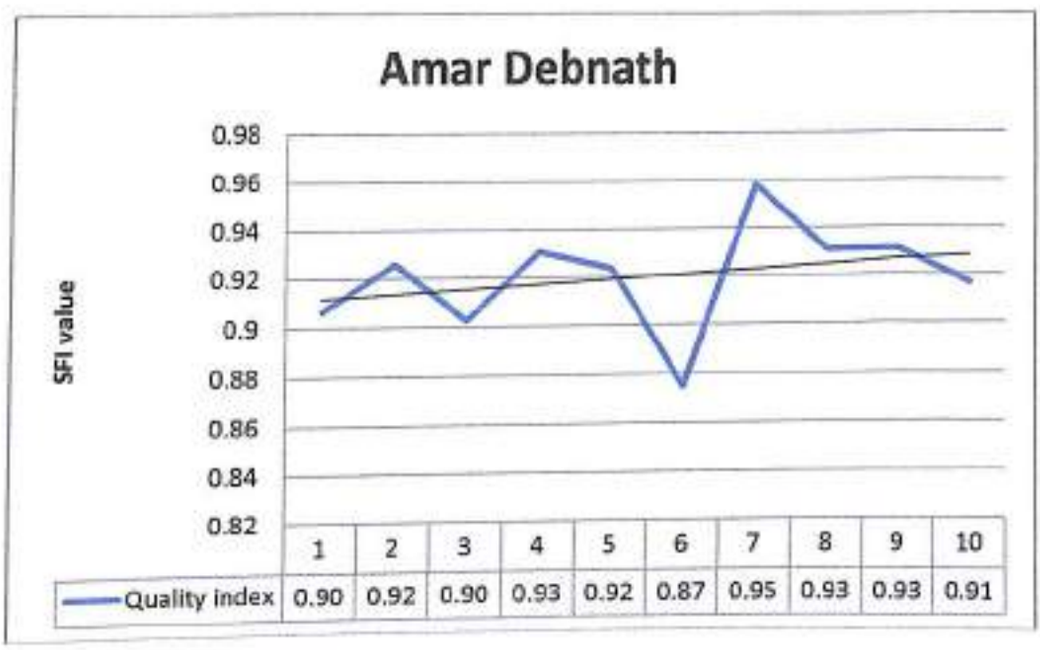
Quality graphs : Faculty Individual









Department of Education

Table 1 : Faculty wise distribution of SFI

Faculties	1	2	3	4	5	6	7	8	9	10
Indrani Barthakur	0.989	0.962	0.962	0.886	0.943	0.932	0.977	0.932	0.909	1.000
Bubul Deka	0.864	0.992	0.955	0.830	0.932	0.716	0.864	0.909	0.841	0.568
Amarjyoti Bharali	0.926	0.939	0.924	0.795	0.898	0.818	0.830	0.841	0.818	0.977
Ilaxi Bora	0.943	0.962	1.000	0.920	0.966	0.932	0.977	0.955	1.000	0.977

Table 2 : Distribution of Composite Index

Faculty	Slope (QC)	Variance (QB)	Average SFI (QA)
Indrani Barthakur	-6.944	0.036	0.949
Bubul Deka	-14.55	0.125	0.847
Amarjyoti Bharali	-10.82	0.063	0.877
Ilaxi Bora	37.579	0.027	0.963

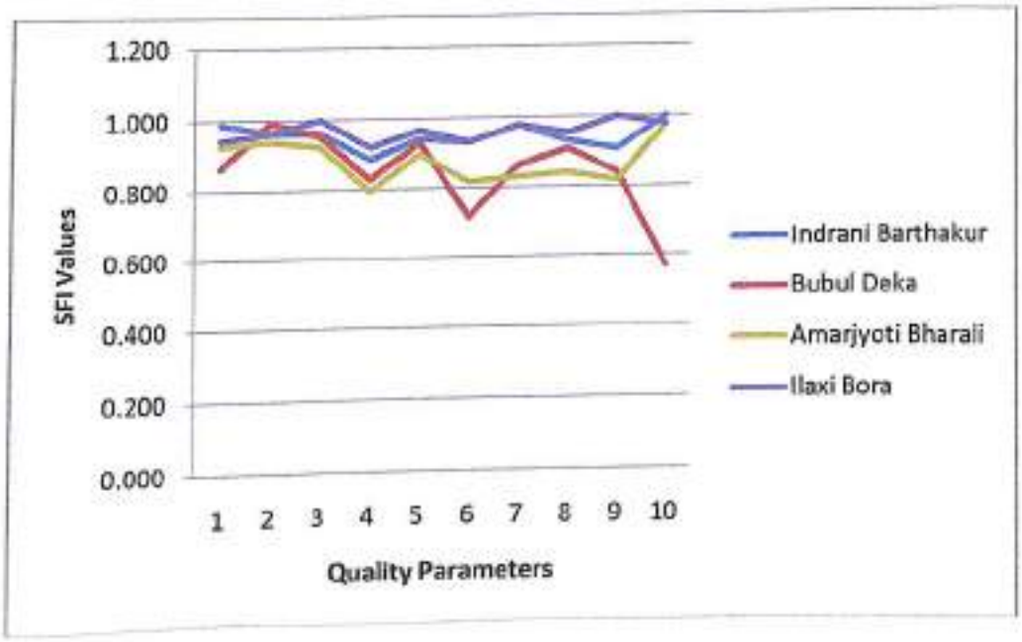
Note :

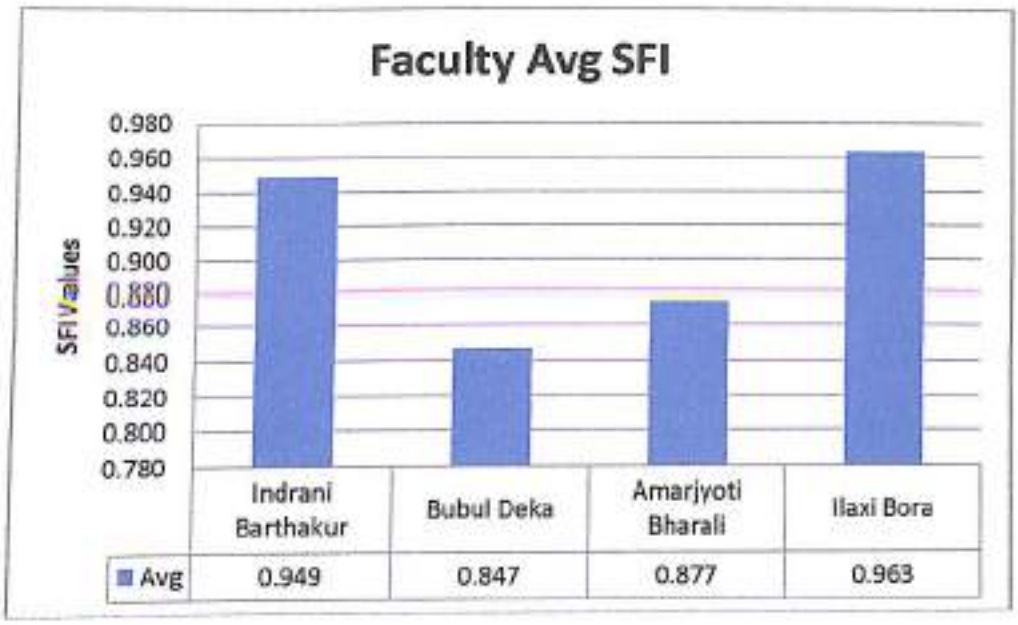
1. Best Quality Achiever : Ilaxi Bora
2. Best Quality Balancer : Ilaxi Bora
3. Best Quality Concentrator : Bubul Deka

Table 3 : Ranking of the faculities

Faculty	Slope (QC)	Variance (QB)	Average SFI (QA)	Total (QA+QB)	Ranks
Indrani Barthakur	2	3	3	6	2nd
Bubul Deka	4	1	1	2	4th
Amarjyoti Bharali	3	2	2	4	3rd
Ilaxi Bora	1	4	4	8	1st

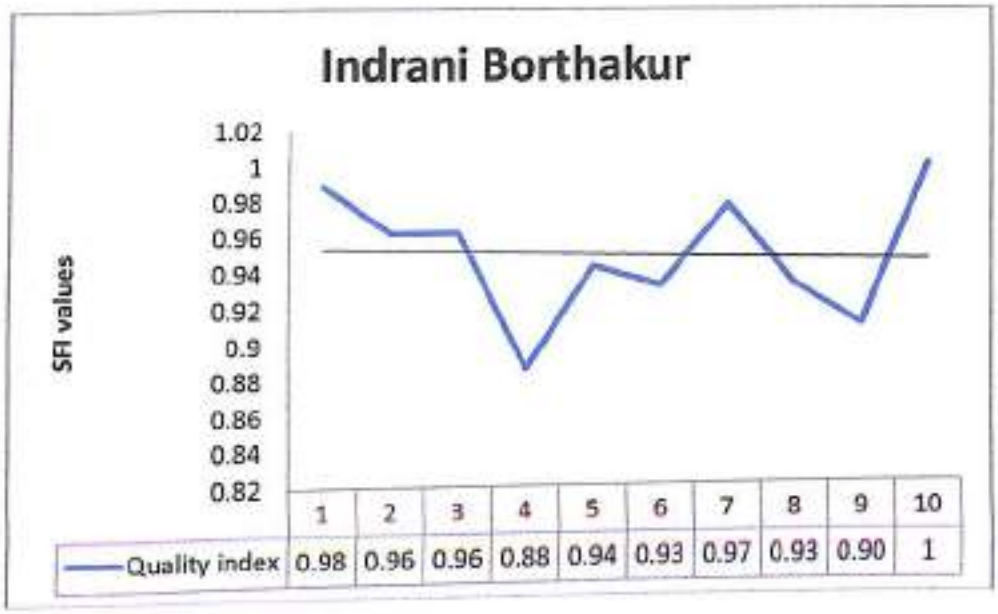
Quality graphs : Faculty Comparison

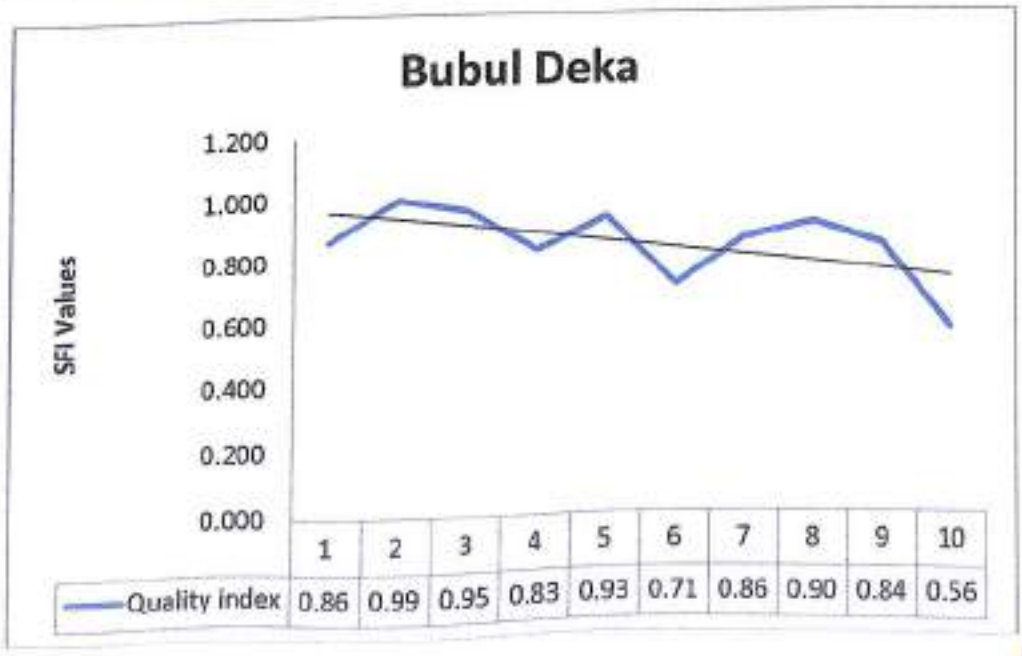


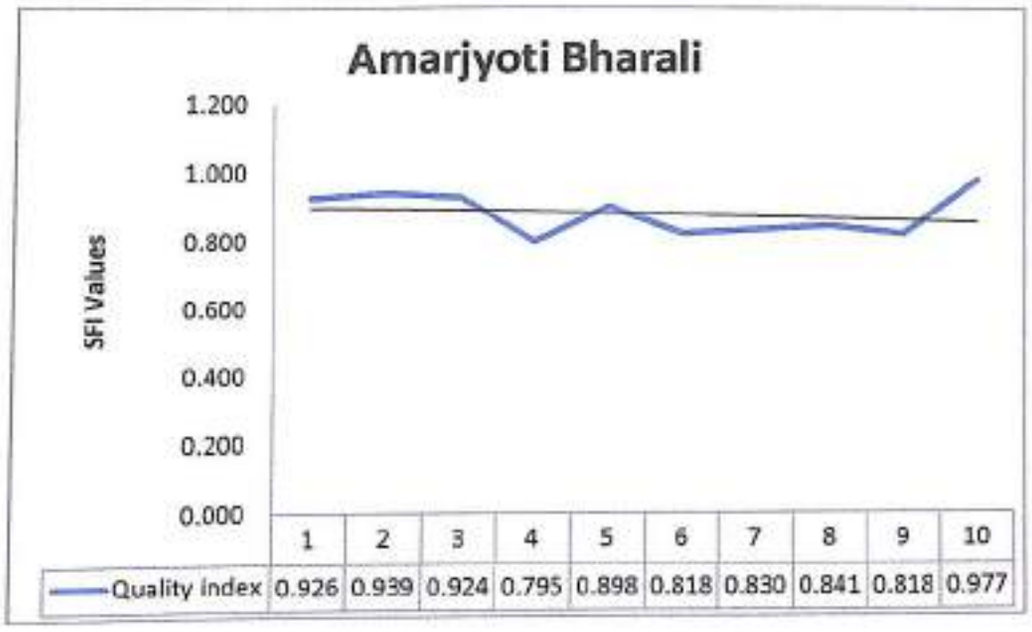


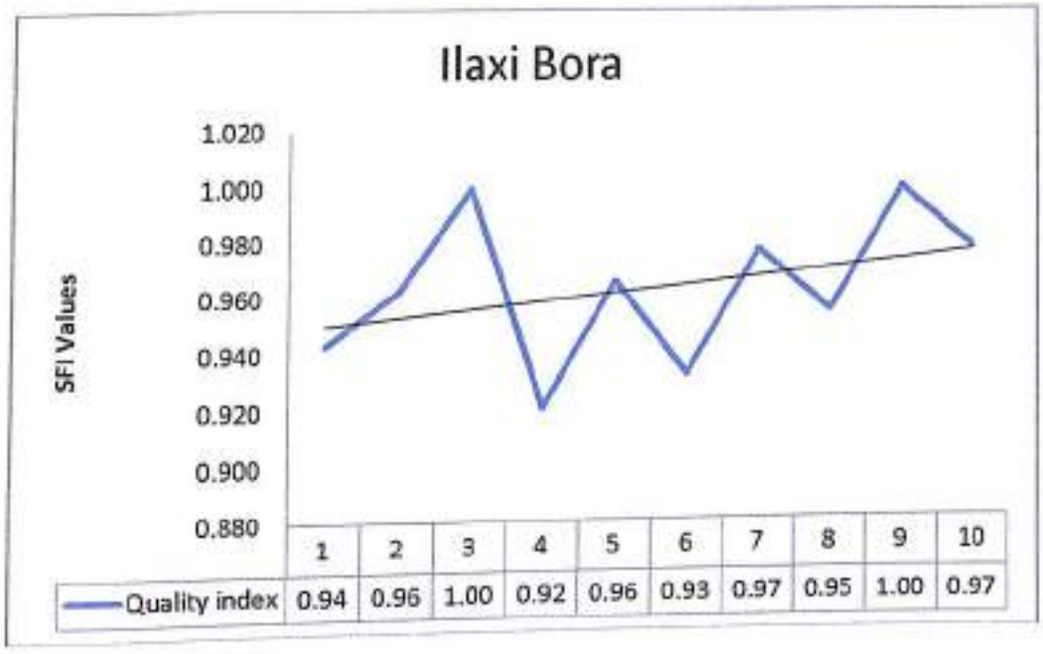
BAHONA COLLEGE
Estd.:1966

Quality graphs : Faculty individual









Department of History

Table 1 : Faculty wise distribution of SFI

Faculties	1	2	3	4	5	6	7	8	9	10
Pranati Duwarah	0.969	0.968	0.931	0.910	0.958	0.951	0.979	0.903	0.764	0.917
Keshab Nath	0.976	0.958	0.926	0.917	0.931	0.924	0.944	0.944	0.764	0.917
Ajit Gogoi	0.865	0.856	0.764	0.715	0.792	0.743	0.875	0.944	0.722	0.792

Table 2 : Composite indicators

Faculty	Slope (QC)	Variance (QB)	Average SFI (QA)
Pranati Duwarah	-25.985	0.063	0.925
Keshab Nath	-28.421	0.058	0.920
Ajit Gogoi	-2.561	0.075	0.807

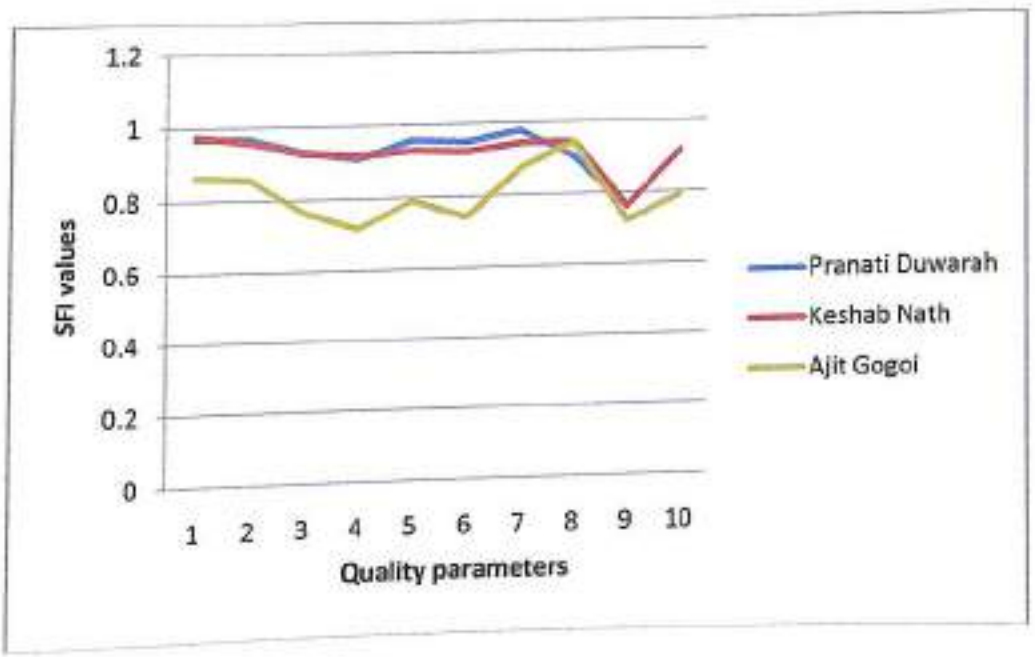
Note :

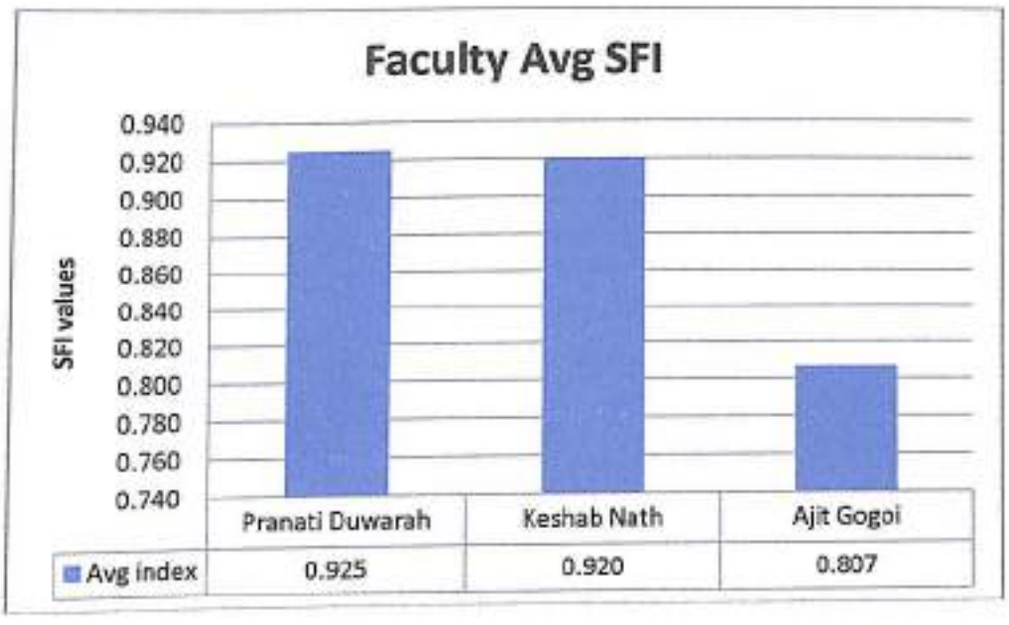
1. Best Quality Achiever : Pranati Duwarah
2. Best Quality Balancer : Keshab Nath
3. Best Quality Concentrator : Keshab Nath

Table 3 : Ranking of the faculties

Faculty	Slope (QC)	Variance (QB)	Average SFI (QA)	Total (QA+QB)	Ranks
Pranati Duwarah	2	2	3	5	1st
Keshab Nath	3	3	2	5	1st
Ajit Gogoi	1	1	1	2	2nd

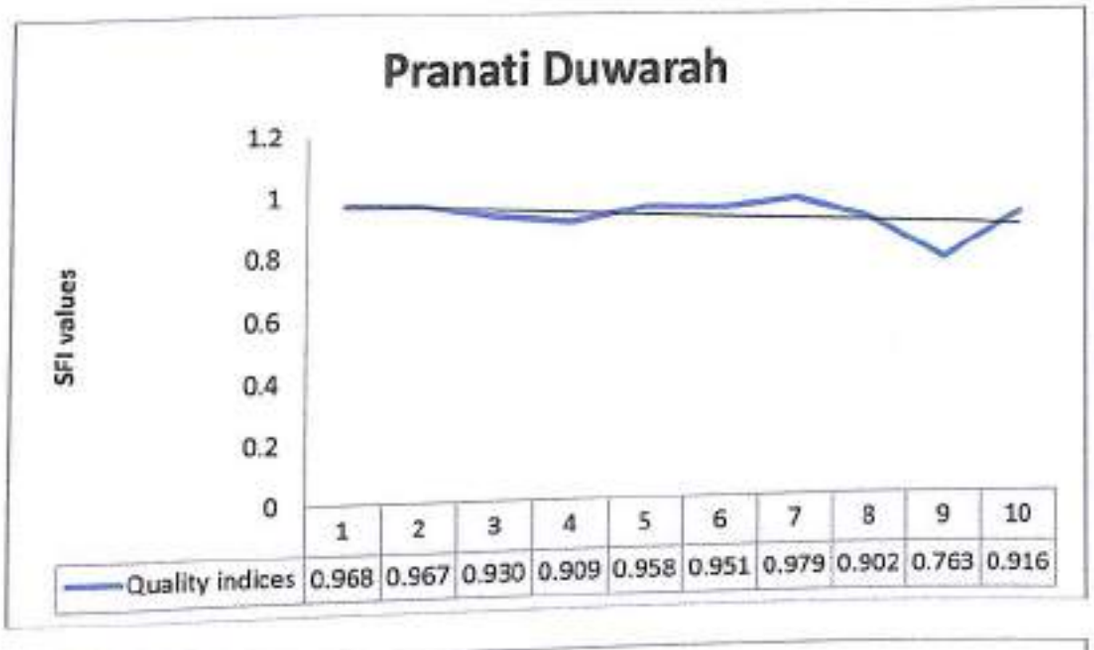
Quality graphs : Faculty Comparison

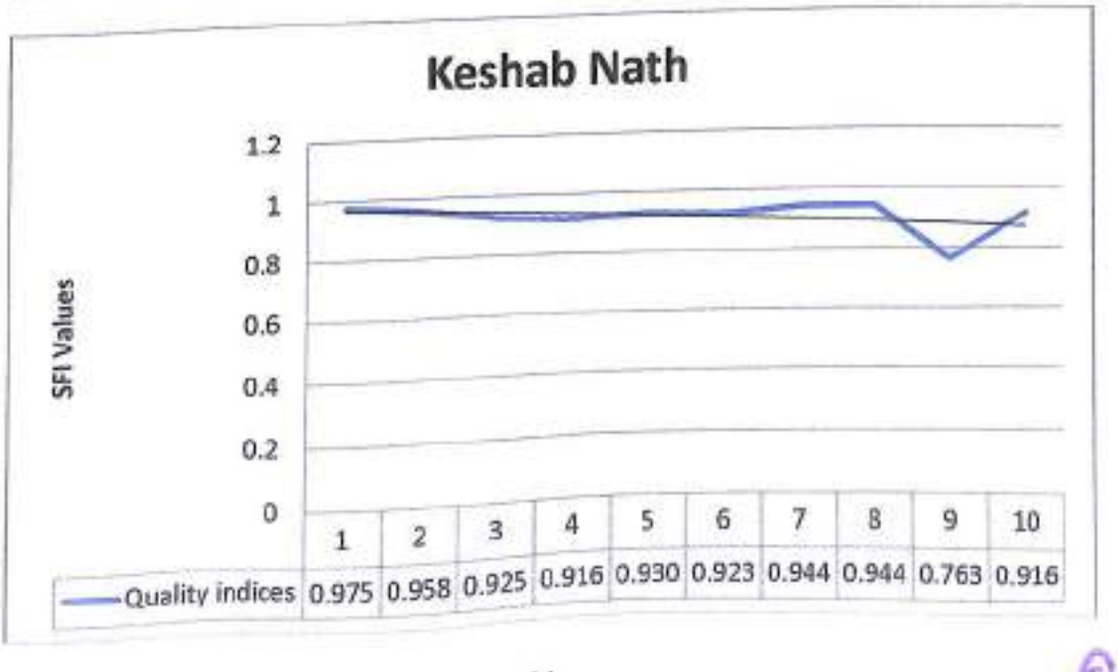


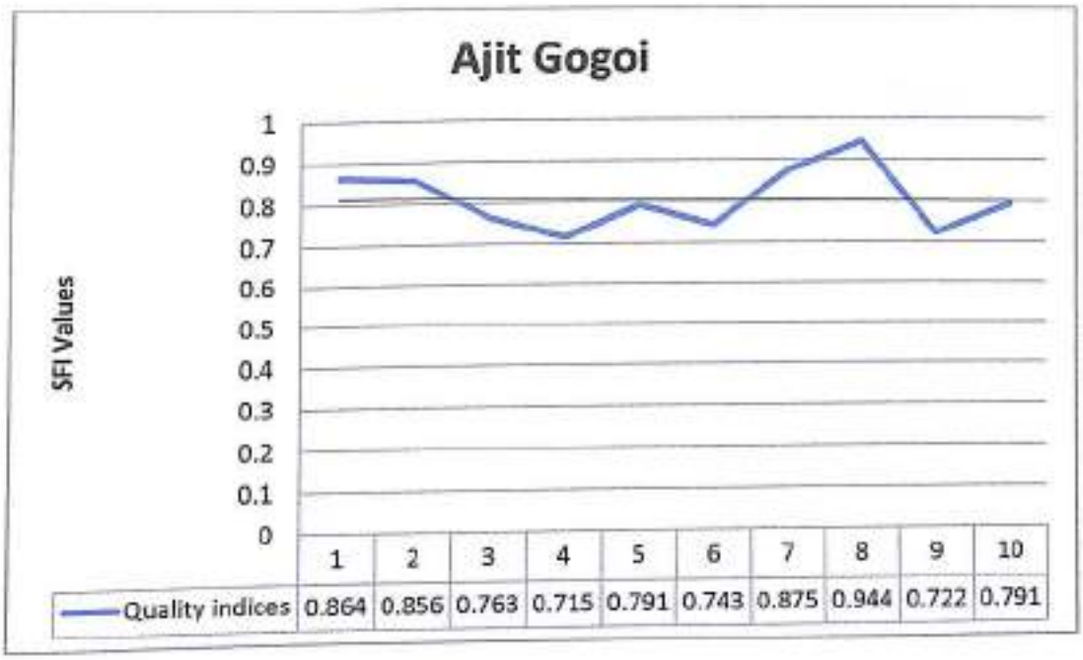


BAHONA COLLEGE
Estd.:1966

Quality graphs : Faculty individual







BAHONA COLLEGE Estd.:1966

Department of Zoology

Table 1 : SFI distribution among the faculties

Faculties	1	2	3	4	5	6	7	8	9	10
Purnima Dutta	0.964	0.974	0.952	0.928	0.961	0.954	0.961	0.974	0.816	0.921
Robin Bordoloi	0.928	0.982	0.943	0.921	0.961	0.914	0.980	0.961	0.789	0.763
Indira Baruah	0.905	0.943	0.921	0.862	0.928	0.829	0.816	0.789	0.684	0.711
Gayatri Agni Bora	0.908	0.912	0.947	0.961	0.967	0.928	0.980	0.947	0.750	0.934
Bikramaditya Bakalial	0.947	0.978	0.978	0.987	0.987	0.954	0.993	0.947	0.987	1.000

Table 2 : Composite quality indicators

Faculties	Slope (QC)	Variance (QB)	Total SFI (QA)
Purnima Dutta	-32.288	0.047	0.940
Robin Bordoloi	-24.761	0.077	0.914
Indira Baruah	-30.175	0.091	0.839
Gayatri Agni Bora	0.610	0.065	0.923
Bikramaditya Bakalial	-1.416	0.019	0.976

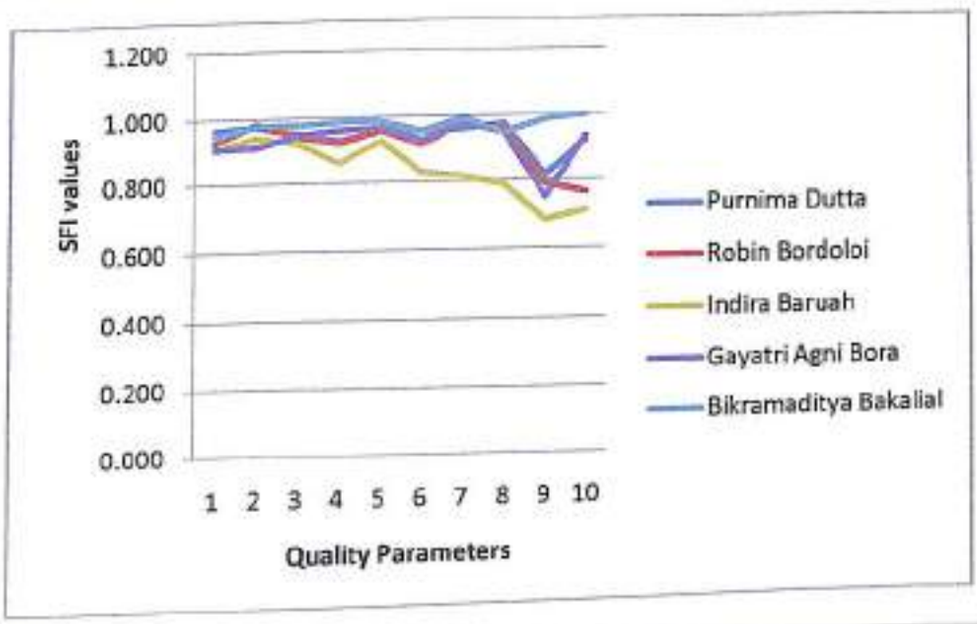
Note :

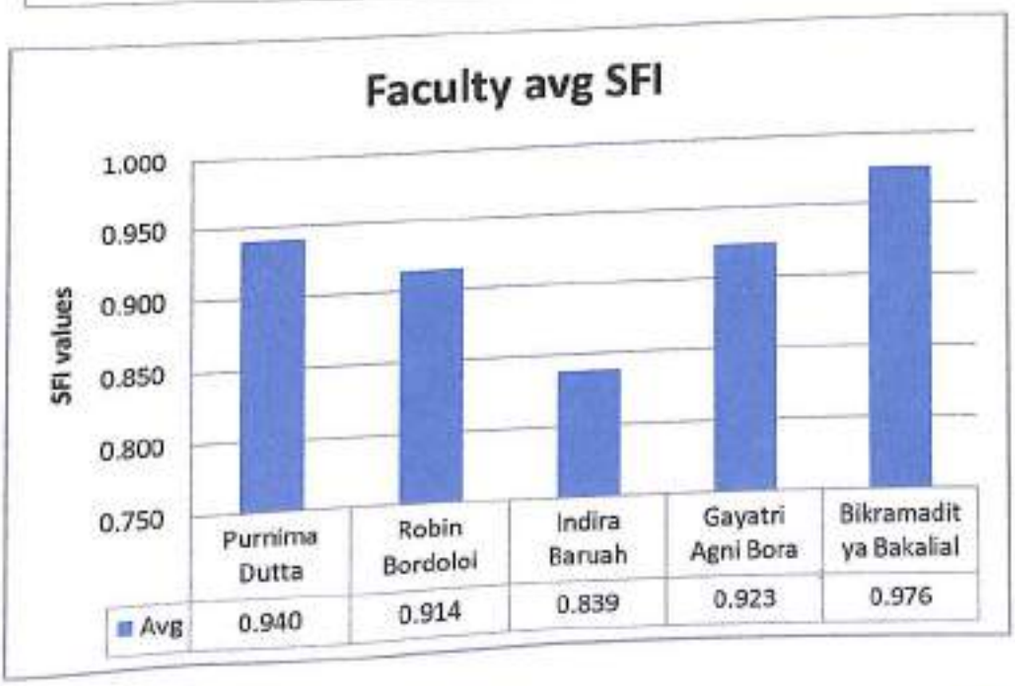
1. Best Quality Achiever : Bikramaditya Bakaliyal
2. Best Quality Balancer : Bikramaditya Bakaliyal
3. Best Quality Concentrator : Purnima Dutta

Table 3 : Ranking of the faculties

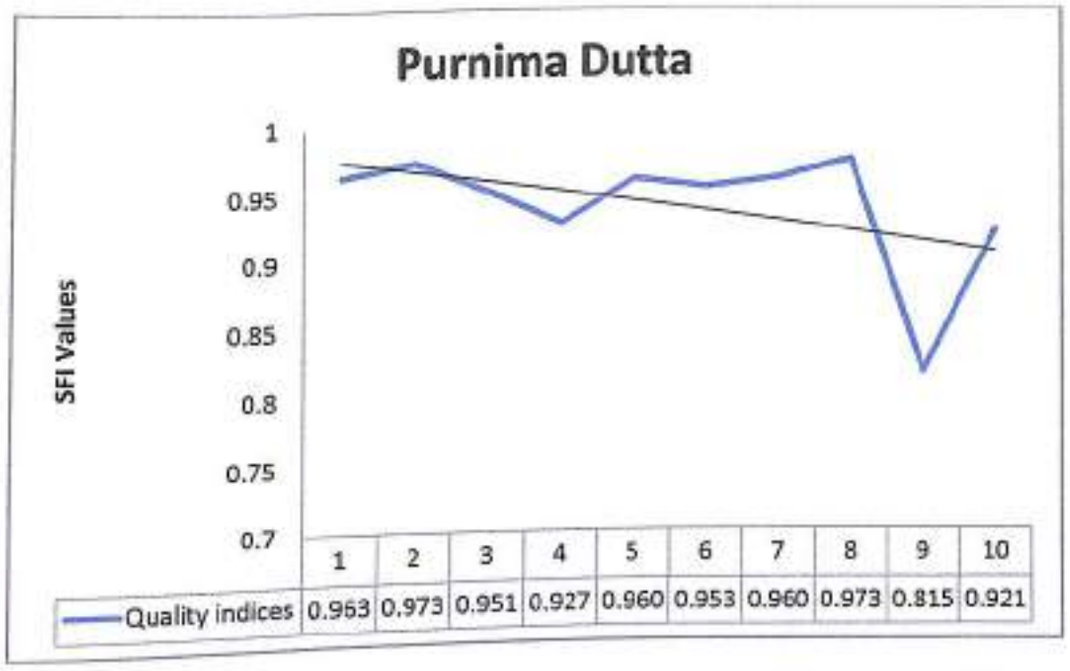
Faculty	Slope (QC)	Variance (QB)	Average SFI (QA)	Total (QA+QB)	Ranks
Purnima Dutta	5	4	4	8	2nd
Robin Bordoloi	3	2	2	4	4th
Indira Baruah	4	1	1	2	5th
Gayatri Agni Bora	1	3	3	6	3rd
Bikramaditya Bakalial	2	5	5	10	1st

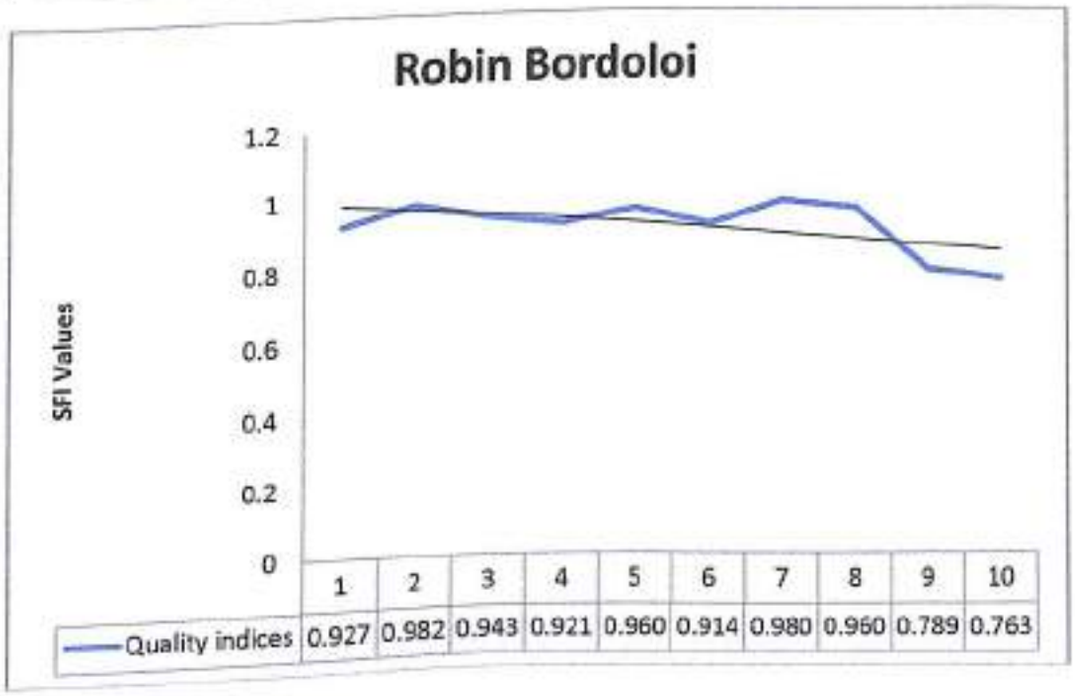
Quality graphs : Faculty Comparison

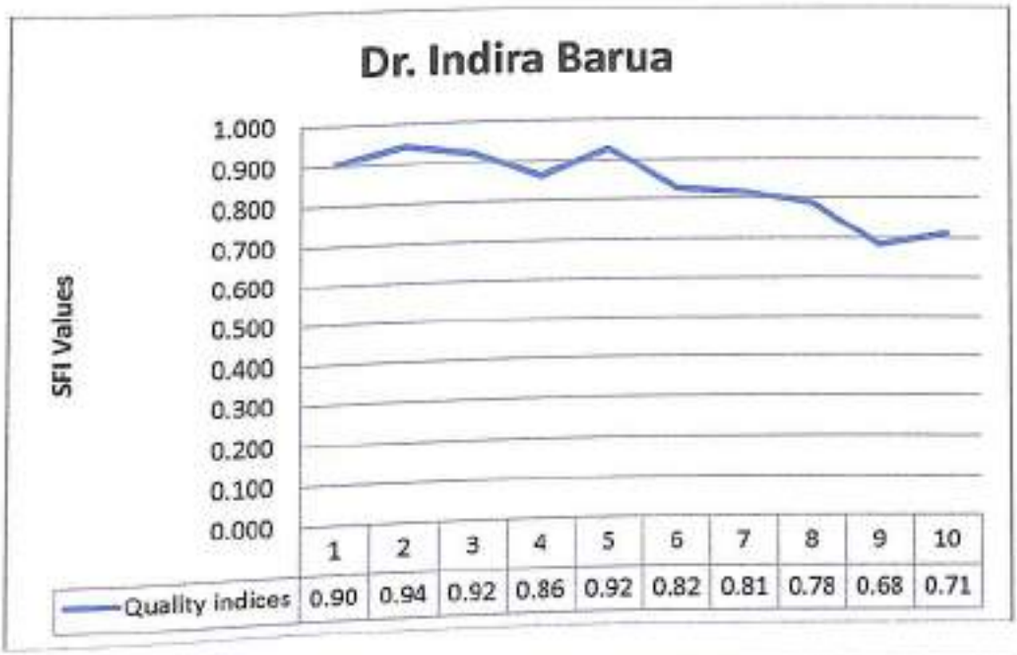


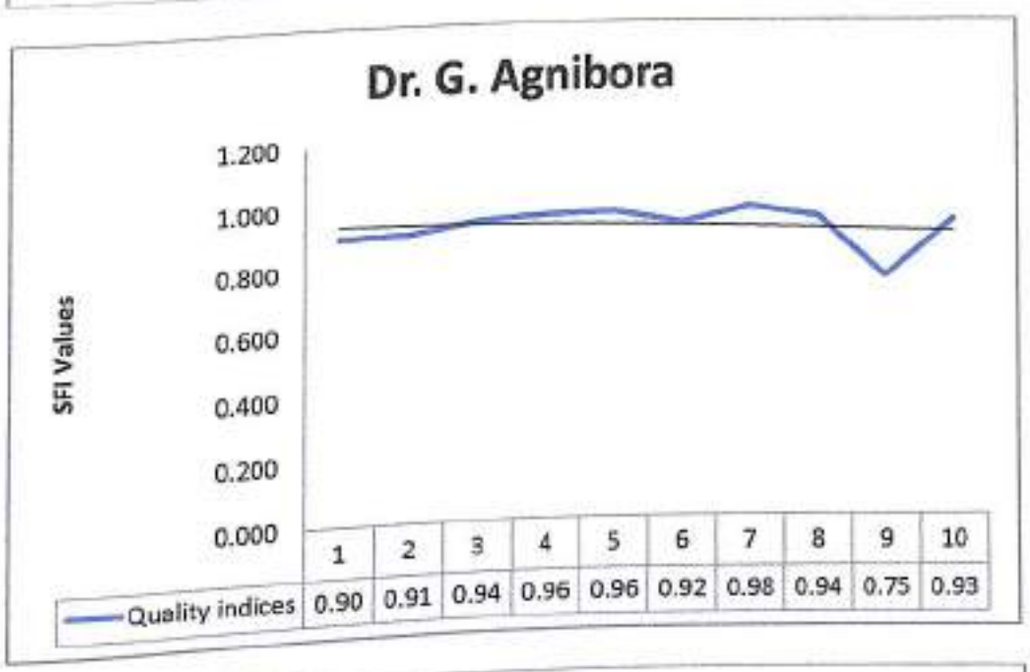


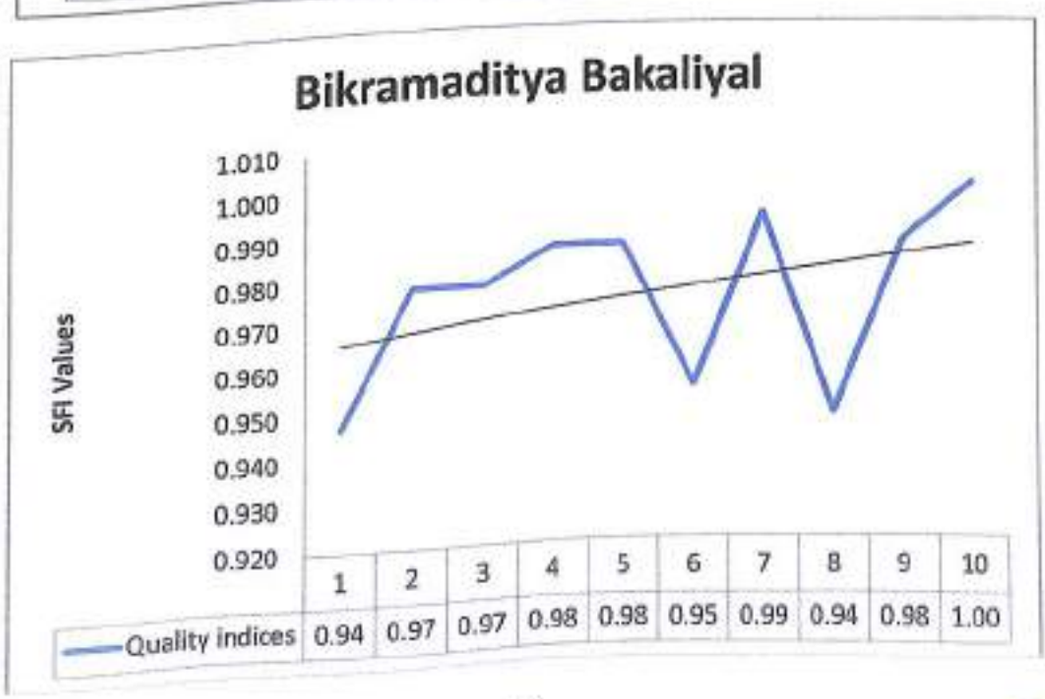
Quality graphs : Faculty Comparison











BAHONA COLLEGE
Estd.:1966
P.O. BAHONA

Department of Botany

Table 1 : SFI distribution across faculties

Faculties	1	2	3	4	5	6	7	8	9	10
Suresh Mahanta	0.74	0.82	0.83	0.78	0.87	0.55	0.65	0.48	0.60	0.60
Tapan Kr. Gogoi	0.89	0.87	0.83	0.86	0.77	0.65	0.72	0.60	0.68	0.68
Debojyoti Bhuyan	0.83	0.79	0.81	0.77	0.79	0.73	0.81	0.51	0.63	0.63
Protiva Bora	0.98	0.97	0.96	0.89	0.94	0.84	0.94	0.76	0.78	0.78
Sangeeta Das	0.91	0.88	0.87	0.83	0.92	0.81	0.83	0.68	0.70	0.70

Table 2 : Composite quality indicators of

Faculty	Slope (QC)	Variance (QB)	Total SFI (QA)
Suresh Mahanta	-16.372	0.134	0.691
Tapan Kr. Gogoi	-25.672	0.103	0.753
Debojyoti Bhuyan	-21.740	0.106	0.729
Protiva Bora	1.231	0.088	0.884
Sangeeta Das	0.918	0.090	0.812

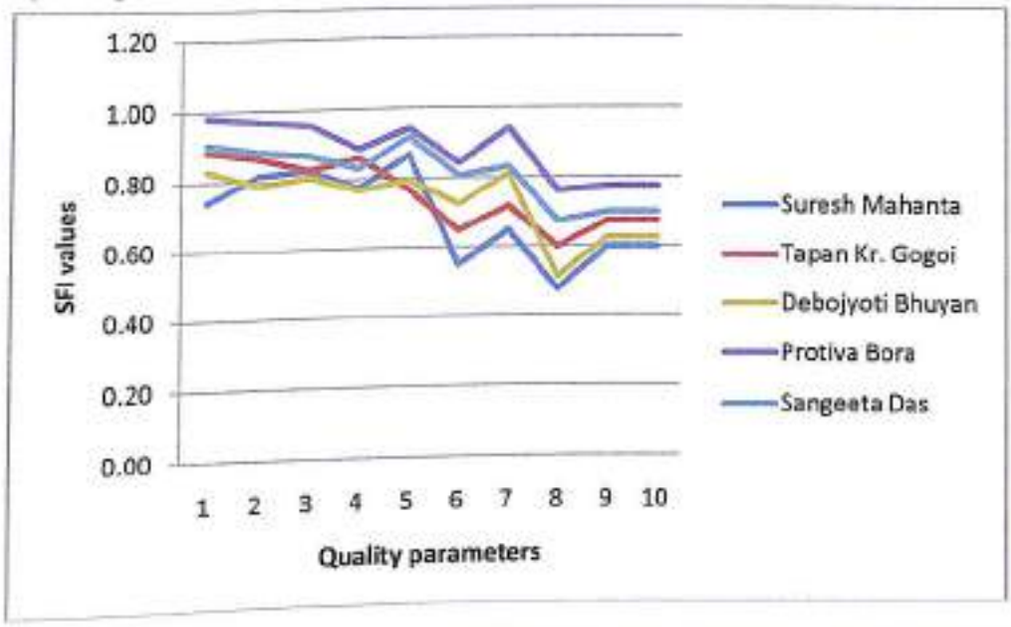
Note:

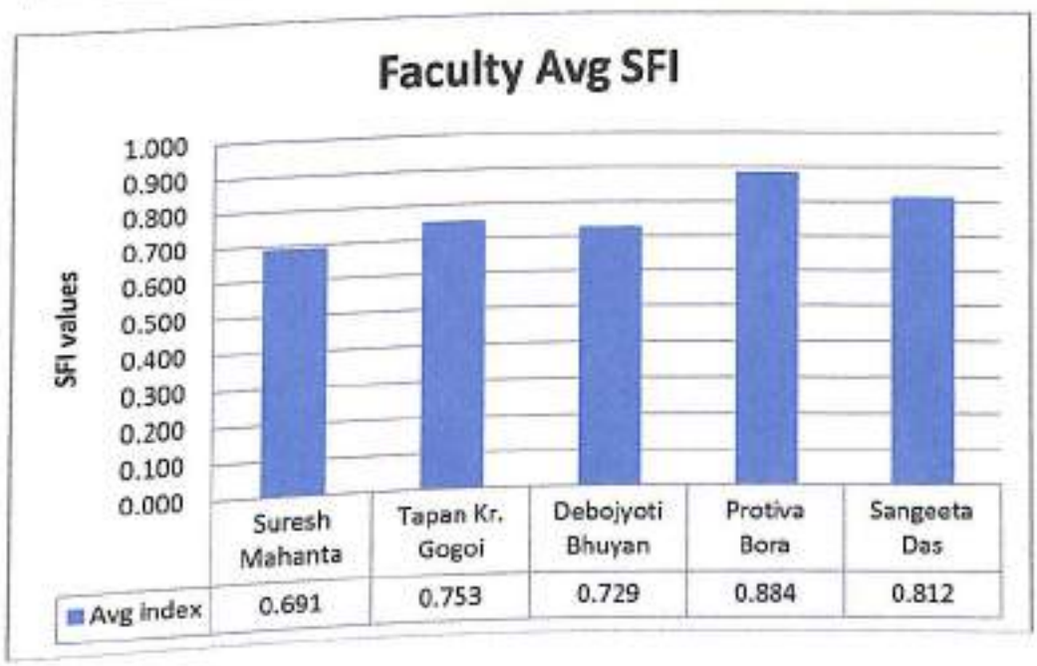
1. Best Quality Achiever : Protiva Bora
2. Best Quality Balancer : Protiva Bora
3. Best Quality Concentrator : Tapan Kr. Gogoi

Table 3 : Ranking the faculties

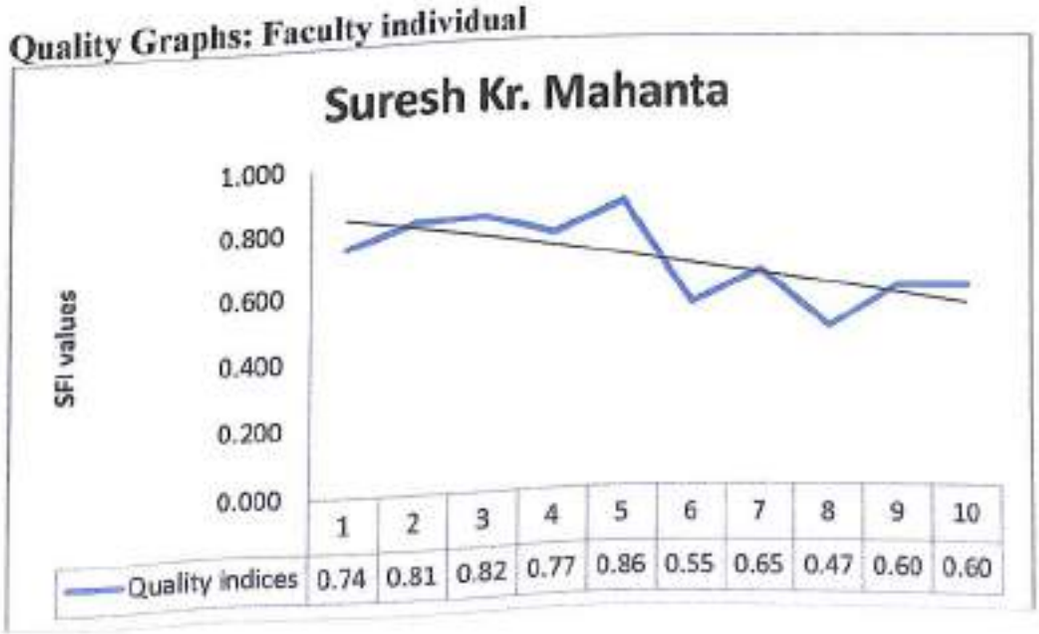
Faculty	Slope (QC)	Variance (QB)	Total SFI (QA)	Total (QA+QB)	Ranks
Suresh Mahanta	3	1	1	2	5th
Tapan Kr. Gogoi	5	3	3	6	3rd
Debojyoti Bhuyan	4	2	2	4	4th
Protiva Bora	1	5	5	10	1st
Sangeeta Das	2	4	4	8	2nd

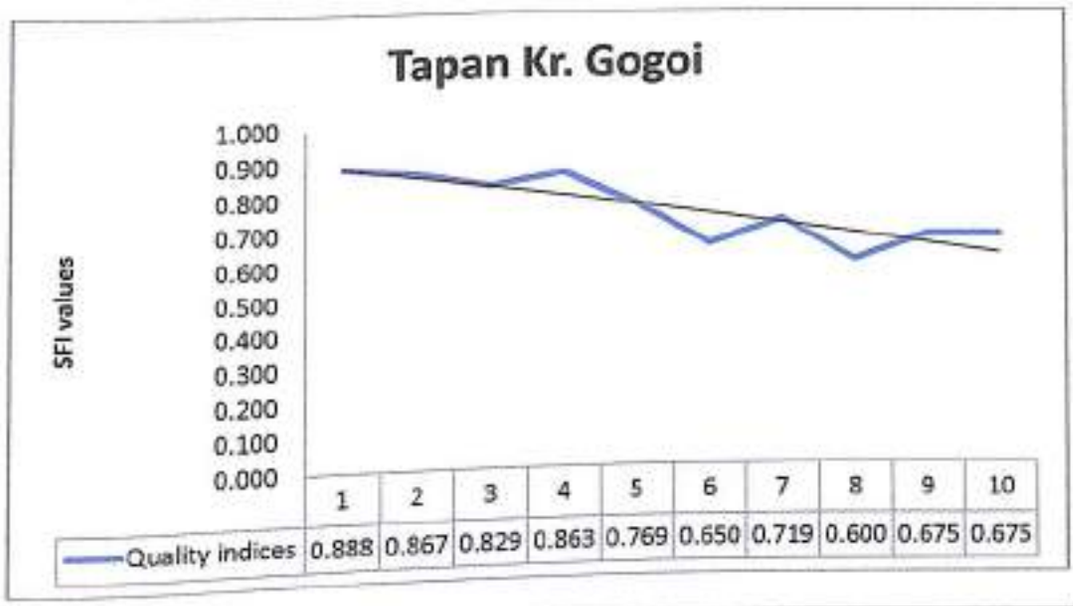
Quality Graphs: Faculty Comparison

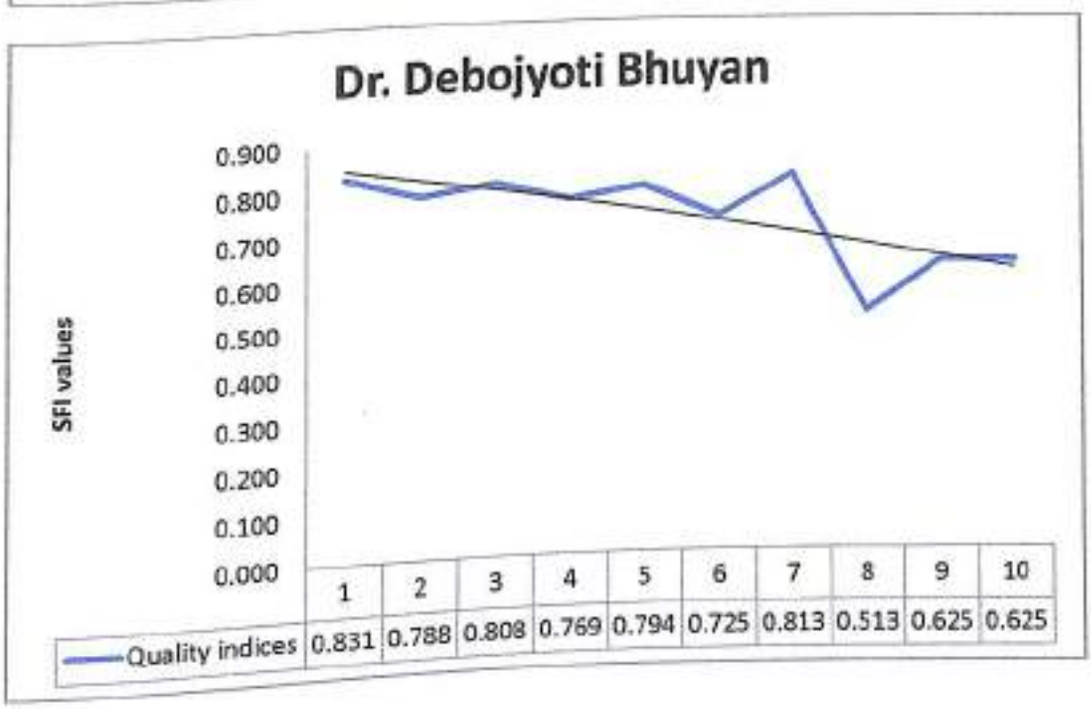




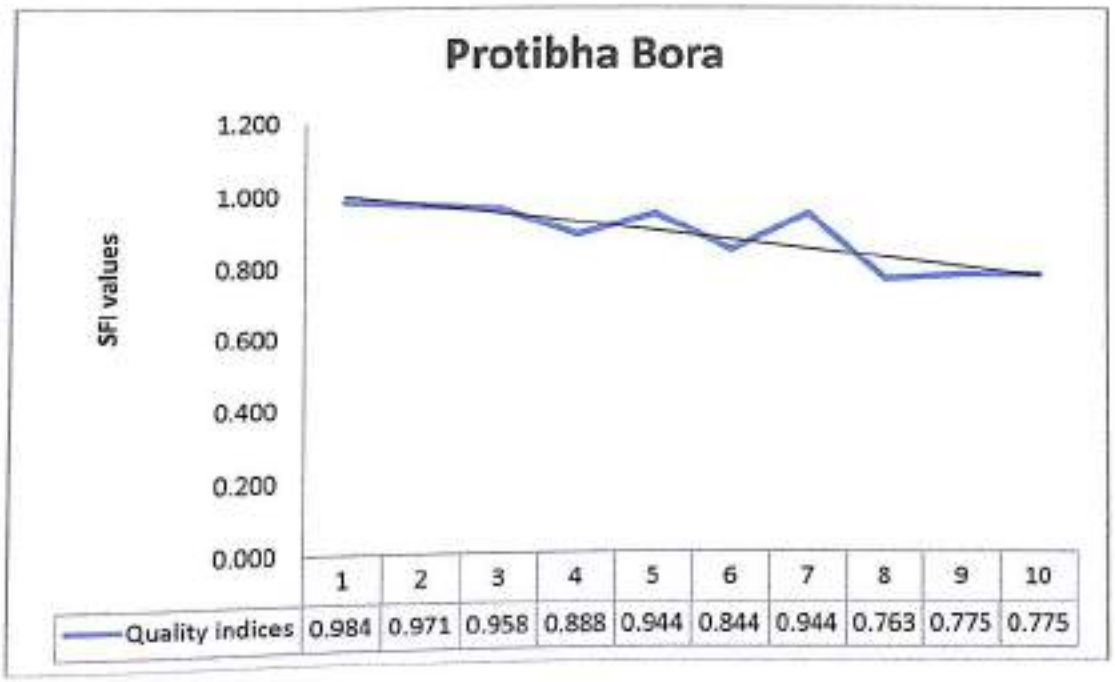
Quality Graphs: Faculty individual

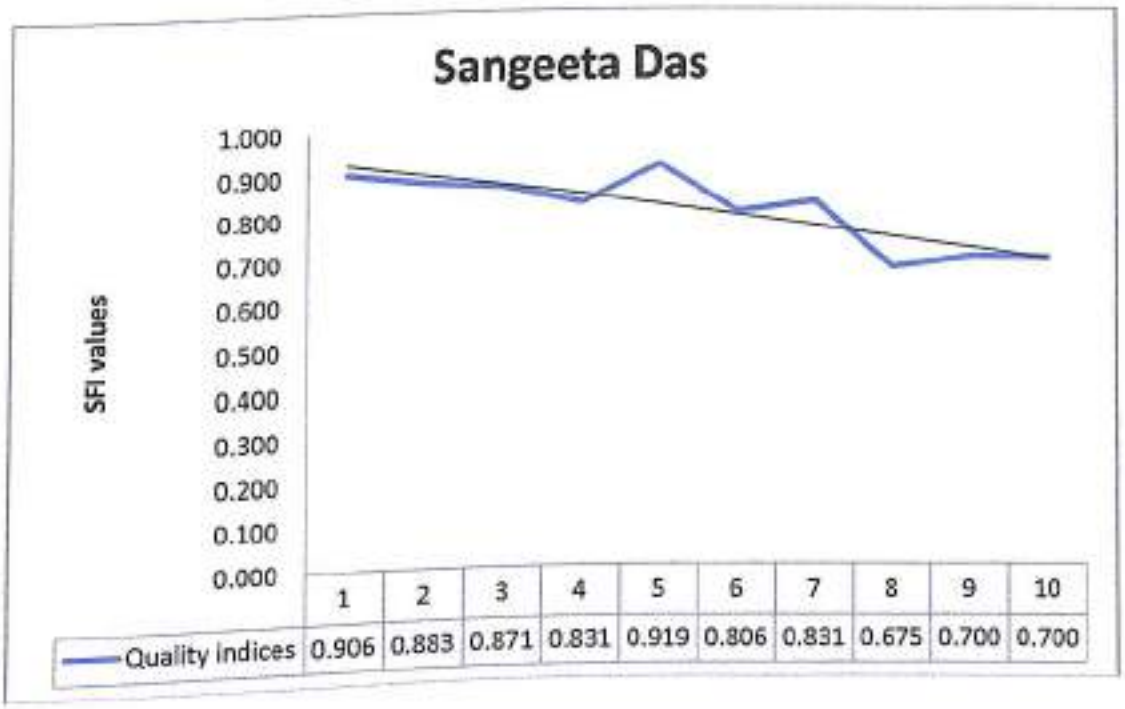






BAHONA COLLEGE
Estd.:1966





BAHONA COLLEGE Estd.:1964

Department of Chemistry

Table 1 : Distribution of SFI across faculties

Faculties	1	2	3	4	5	6	7	8	9	10
Dipti Goswami	0.795	0.821	0.762	0.750	0.839	0.696	0.714	0.893	0.571	0.536
Omar S Ahmed	0.946	0.976	0.893	0.875	0.946	0.857	0.768	1.000	0.571	0.929
Parinita Bora	0.946	0.976	1.286	0.946	0.929	0.911	0.964	0.964	0.857	0.679
Protiva Bora	0.786	0.667	0.690	0.750	0.750	0.571	0.839	0.571	0.571	0.429
Pallabi Saikia	0.777	0.833	0.821	0.839	0.964	0.661	0.821	0.857	0.643	0.321

Table 2 : Composite quality indicators

Faculty	Slope (QC)	Variance (QB)	Total SFI (QA)
Dipti Goswami	-15.832	0.114	0.738
Omar S Ahmed	-10.018	0.126	0.876
Parinita Bora	-12.163	0.148	0.946
Protiva Bora	0.464	0.126	0.663
Pallabi Saikia	0.153	0.178	0.754

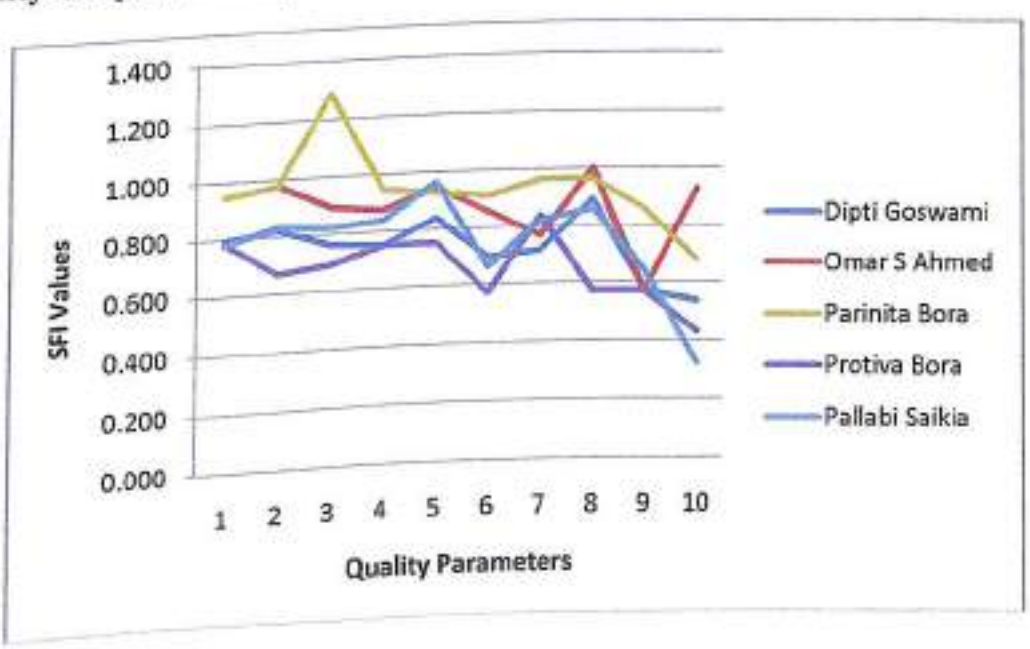
Note :

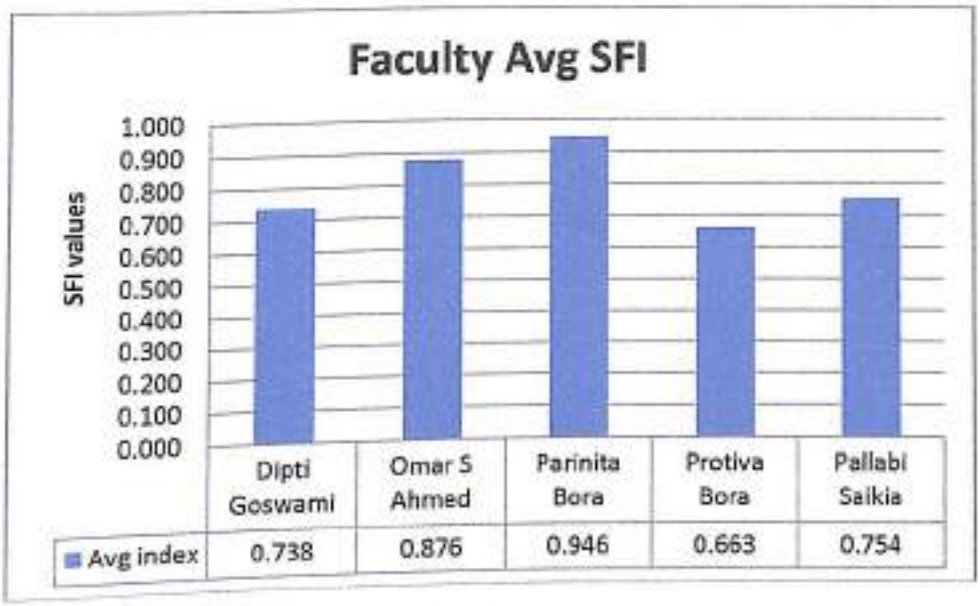
1. Best Quality Achiever : Parinita Bora
2. Best Quality Balancer : Dr. Dipti Goswami
3. Best Quality Concentrator : Dr. Dipti Goswami

Table 3: Ranking the faculties

Faculty	Slope (QC)	Variance (QB)	Total SFI (QA)	Total (QA+QB)	Ranks
Dipti Goswami	5	5	2	7	2nd
Omar S Ahmed	3	4	4	8	1st
Parinita Bora	4	2	5	7	2nd
Protiva Bora	1	4	1	5	3rd
Pallabi Saikia	2	1	3	4	4th

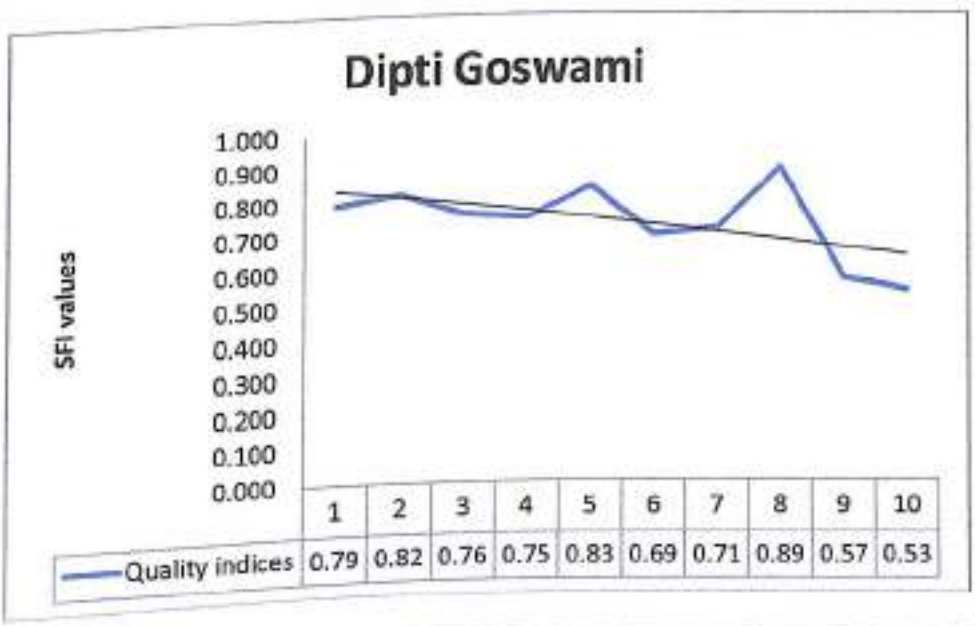
Quality Graphs : Faculty Comparison

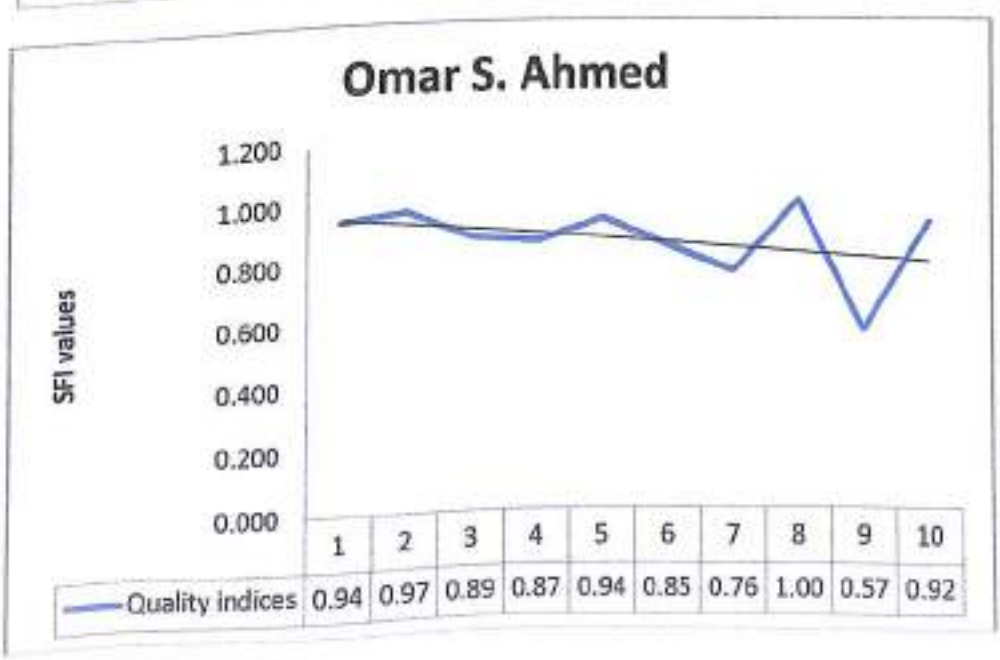




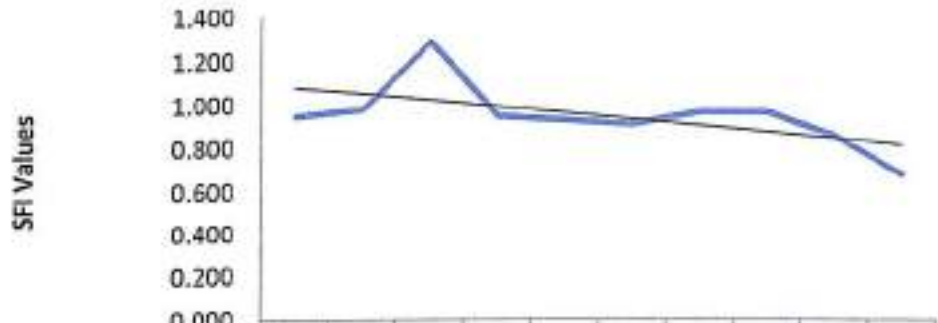
BAHONA COLLEGE
Estd.:1966

Quality Graphs : Faculty individual





Dr. Porinita Bora

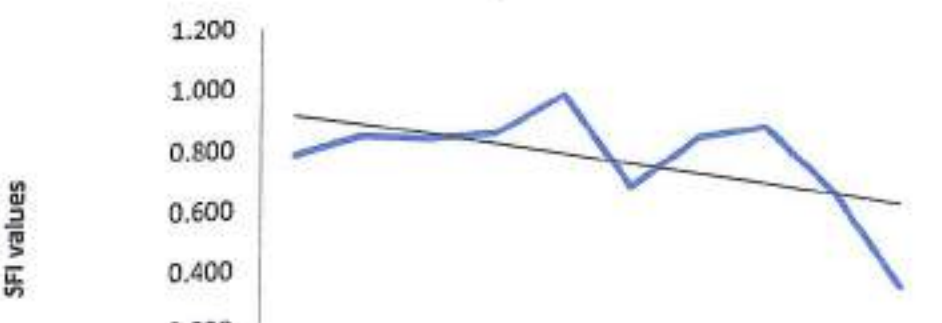


	1	2	3	4	5	6	7	8	9	10
Quality indices	0.94	0.97	1.28	0.94	0.92	0.91	0.96	0.96	0.85	0.67

Protiva Bora

	1	2	3	4	5	6	7	8	9	10
Quality indices	0.78	0.66	0.69	0.75	0.75	0.57	0.83	0.57	0.57	0.42

Pallabi Saikia



	1	2	3	4	5	6	7	8	9	10
Quality indices	0.77	0.83	0.82	0.83	0.96	0.66	0.82	0.85	0.64	0.32

RAHONA COLLEGE
Estd.:1966
P.O. BAHONA, ASSAM

Department of Physics

Table 1 : SFI distribution across faculties

Faculties	1	2	3	4	5	6	7	8	9	10
Jiten Nath	0.818	0.772	0.674	0.924	0.554	0.674	0.859	0.815	0.554	0.913
Gopal Hazarika	0.951	0.960	0.899	0.886	0.842	0.815	0.902	0.880	0.565	0.837
Sumbit Chaliha	0.848	0.938	0.844	0.880	0.755	0.783	0.788	0.826	0.511	0.663
Diganta Pd. Gogoi	0.935	0.971	0.902	0.755	0.750	0.755	0.712	0.880	0.554	0.565

Table 2 : Composite quality indicators

Faculty	Slope (QC)	Variance (QB)	Total SFI (QA)
Jiten Nath	-0.107	0.136	0.756
Gopal Hazarika	-17.229	0.112	0.854
Sumbit Chaliha	-18.829	0.121	0.784
Diganta Pd. Gogoi	0.091	0.145	0.778

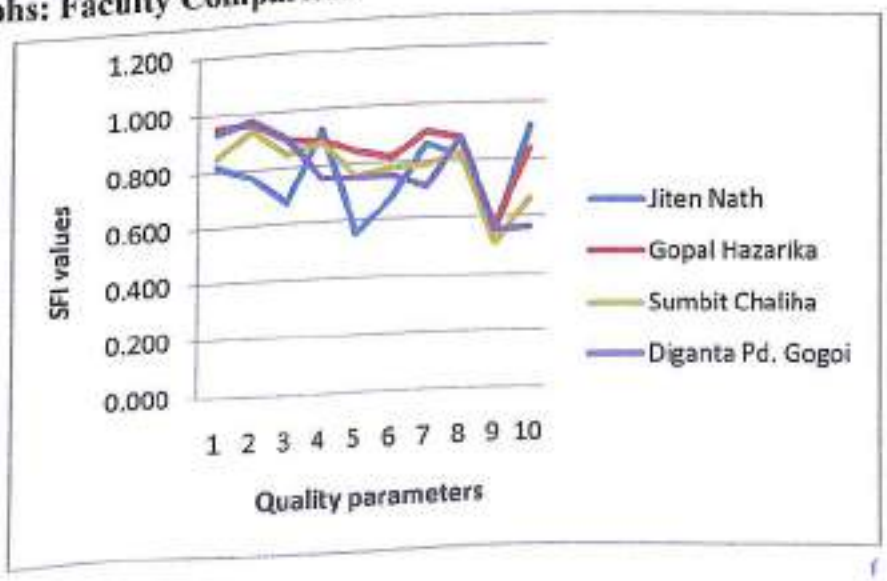
Note:

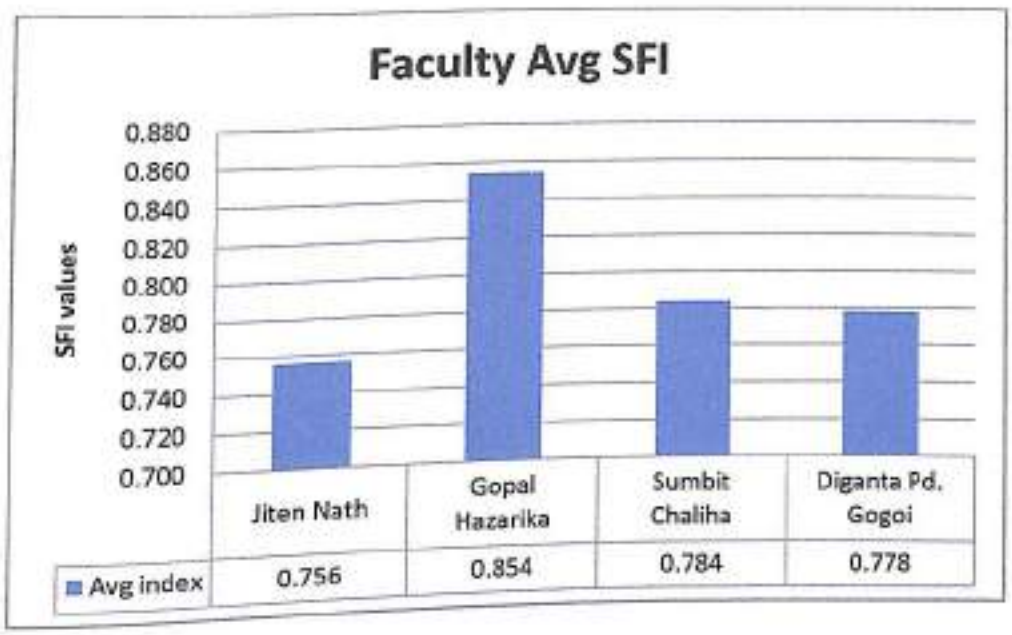
1. Best Quality Achiever : Gopal Hazarika
2. Best Quality Balancer : Gopal Hazarika
3. Best Quality Concentrator : Dr. Sumbit Chaliha

Table 3 : Faculty ranking

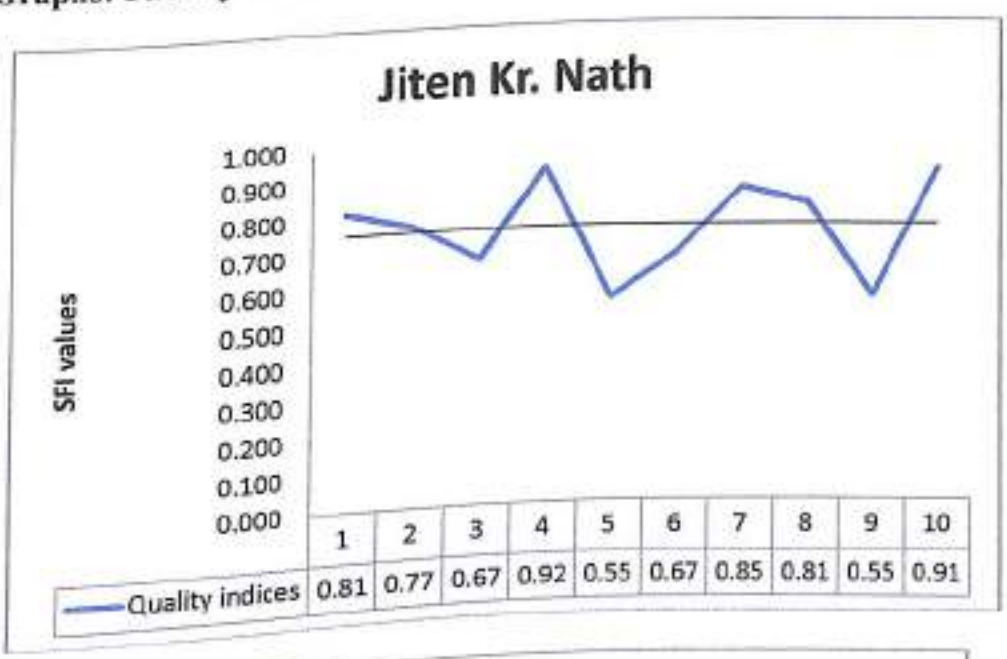
Faculty	Slope (QC)	Variance (QB)	Total SFI (QA)	Total (QA+QB)	Ranks
Jiten Nath	2	2	1	3	3rd
Gopal Hazarika	3	4	4	8	1st
Sumbit Chaliha	4	3	3	6	2nd
Diganta Pd. Gogoi	1	1	2	3	3rd

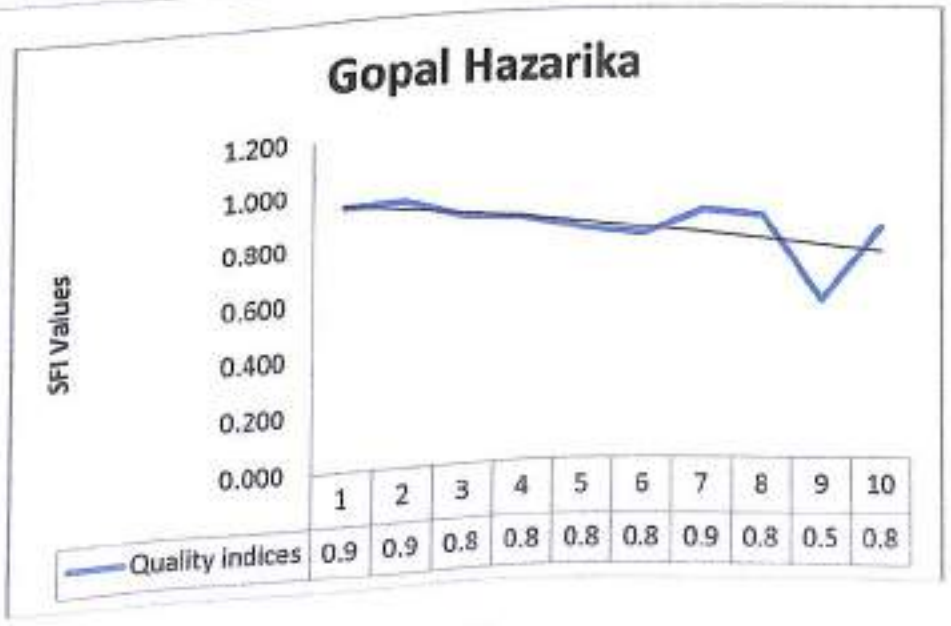
Quality Graphs: Faculty Comparison

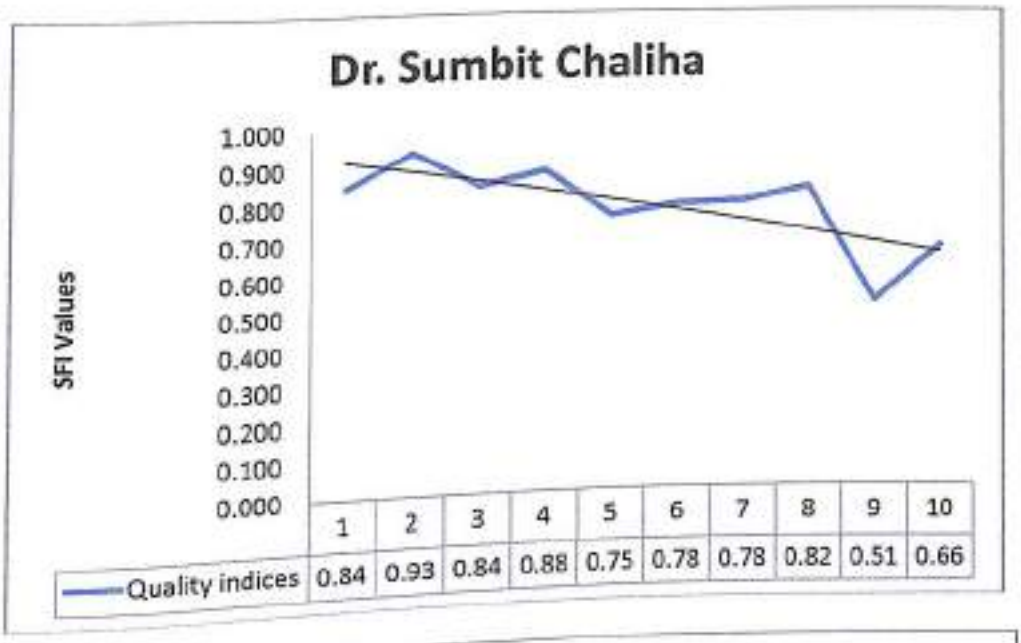


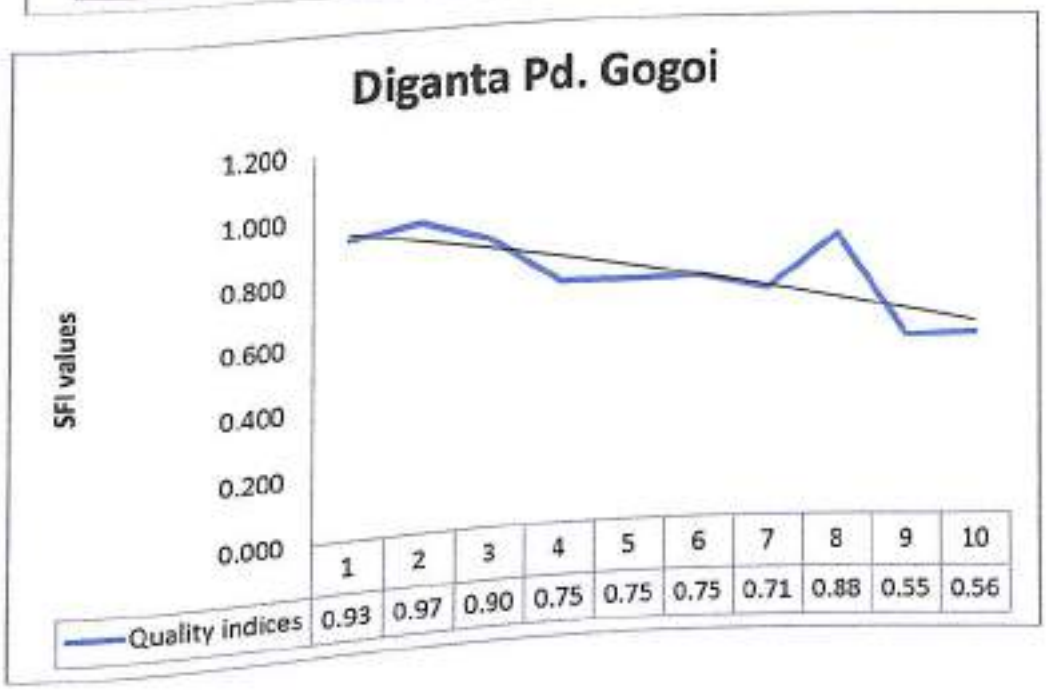


Quality Graphs: Faculty individual









Department of Mathematics

Table 1 : SFI distribution across faculties

	1	2	3	4	5	6	7	8	9	10
Prasanta Bordoloi	0.908	0.943	0.860	0.875	0.757	0.868	0.914	0.882	0.645	0.645
Papori Neog Bora	0.914	0.939	0.908	0.961	0.947	0.842	0.921	0.947	0.763	0.776
Alok Kr. Dutta	0.947	0.965	0.917	0.914	0.941	0.914	0.914	0.961	0.789	0.934
Manash Jyoti Bora	0.849	0.846	0.816	0.882	0.862	0.776	0.789	0.908	0.605	0.776

Table 2 : Composite Quality Indicators

Faculty	Slope (QC)	Variance (QB)	Total SFI (QA)
Prasanta Bordoloi	-19.227	0.109	0.830
Papori Neog Bora	-26.531	0.072	0.892
Alok Kr. Dutta	-26.001	0.050	0.920
Manash Jyoti Bora	0.816	0.085	0.811

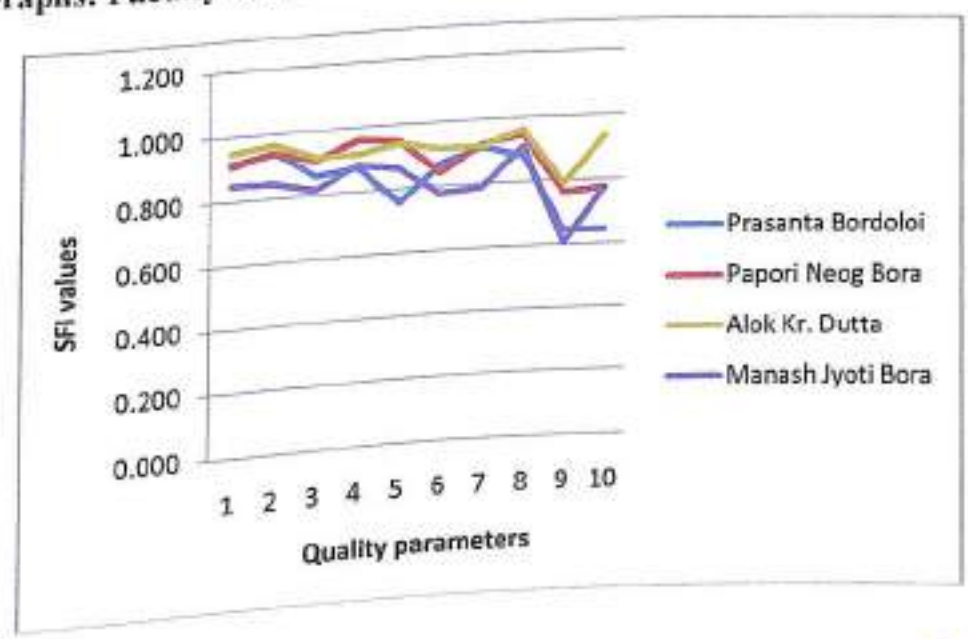
Note:

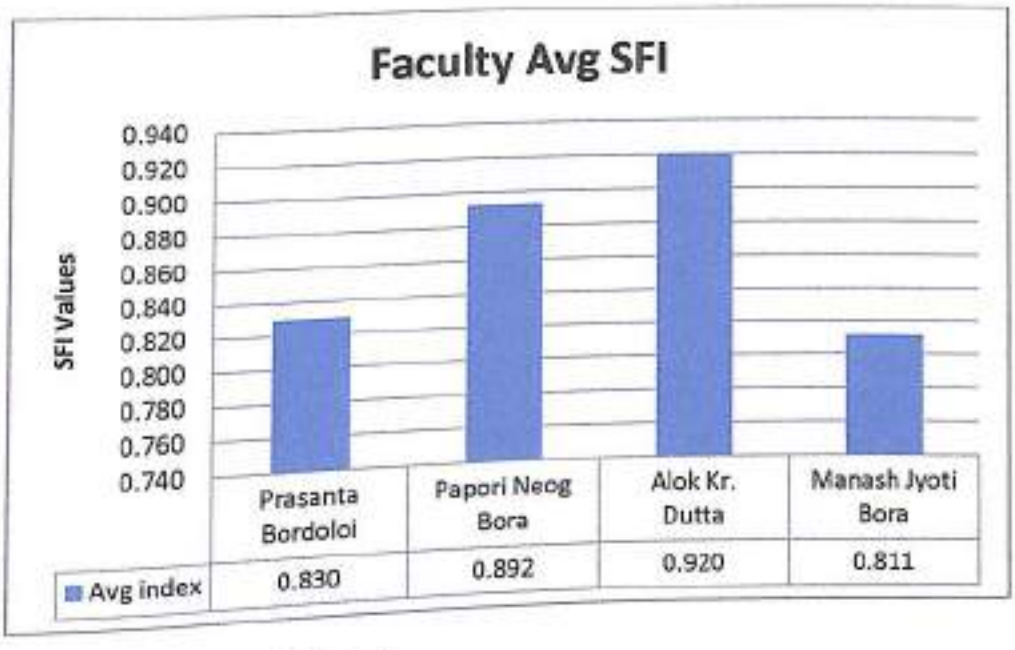
1. Best Quality Achiever : Alok Kr. Dutta
2. Best Quality Balancer : Alok Kr. Dutta
3. Best Quality Concentrator : Papori Neog Bora

Table 3 : Faculty Ranking

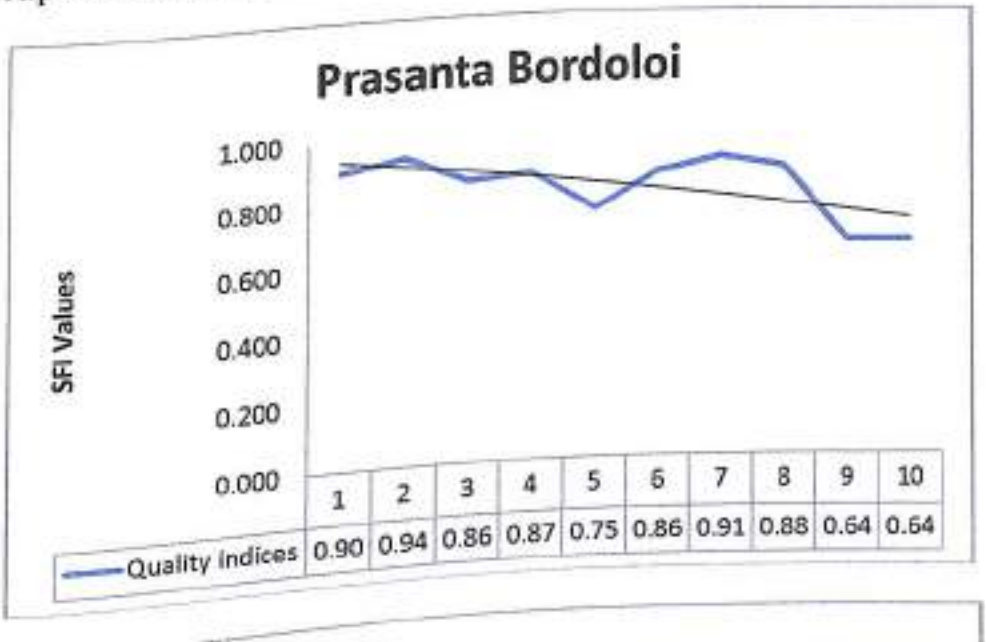
Faculty	Slope (QC)	Variance (QB)	Total SFI (QA)	Total (QA+QB)	Ranks
Prasanta Bordoloi	2	1	2	3	3rd
Papori Neog Bora	4	3	3	6	2nd
Alok Kr. Dutta	3	4	4	8	1st
Manash Jyoti Bora	1	2	1	3	3rd

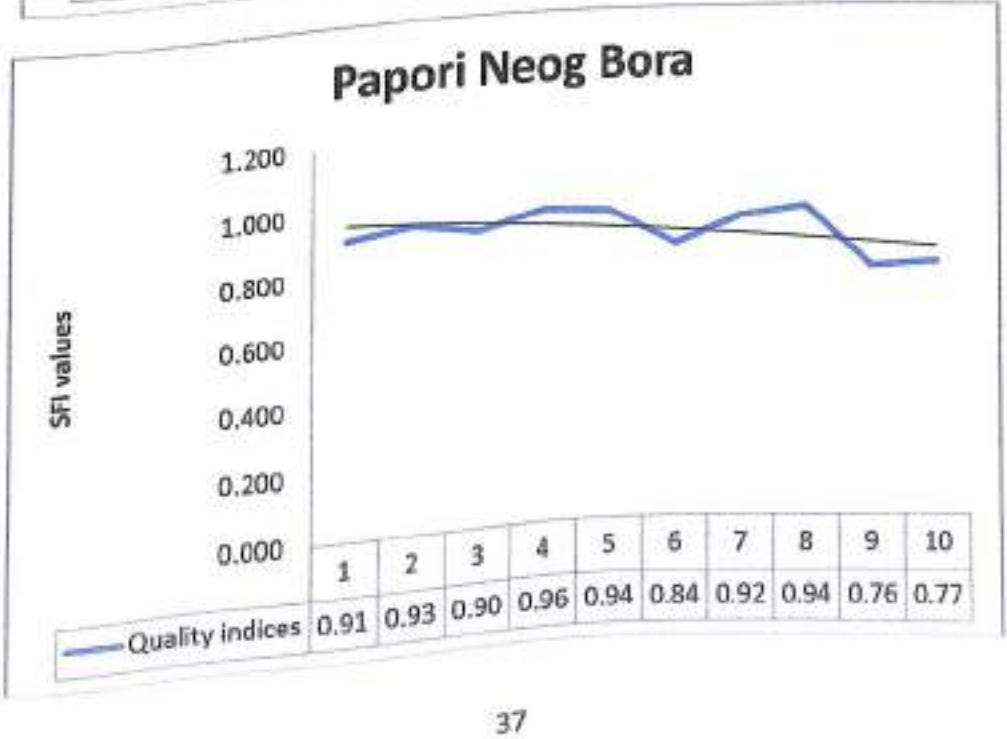
Quality Graphs: Faculty comparison

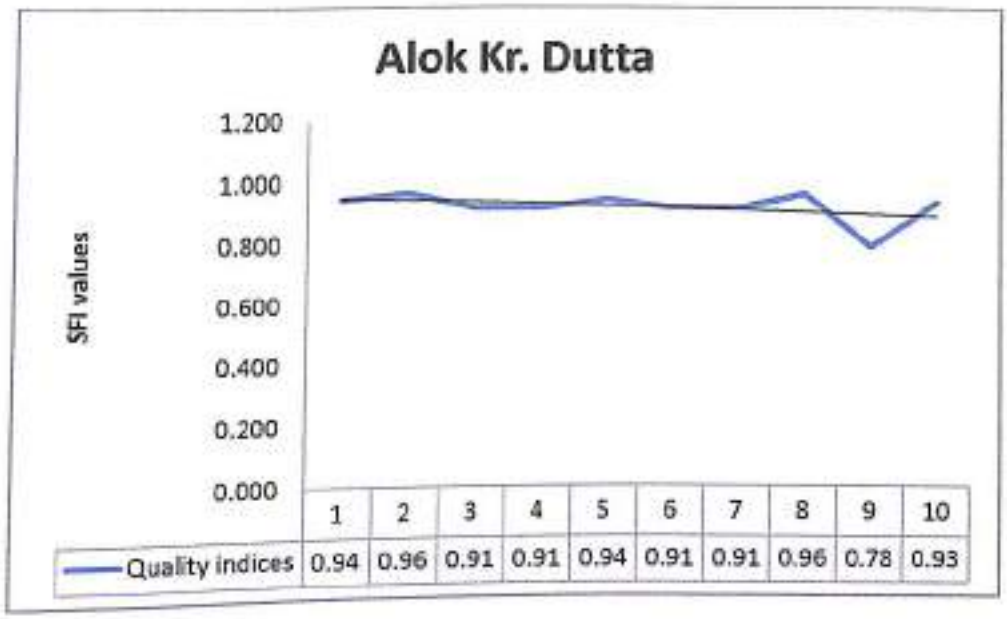


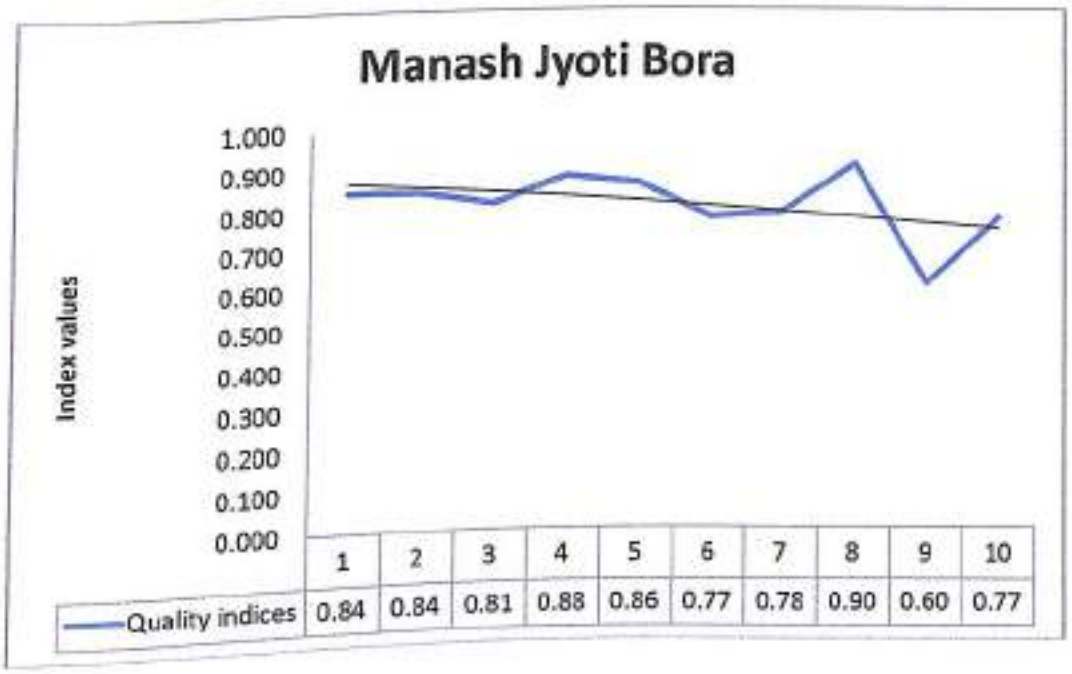


Quality Graphs: Faculty individual









Department of Statistics

Table 1 : SFI distribution across faculties

	1	2	3	4	5	6	7	8	9	10
Aditi Baruah	0.911	0.964	0.988	0.911	1.000	0.893	0.982	1.000	0.857	0.893
Lalit Kakoty	0.955	0.976	1.000	0.929	0.982	0.946	0.982	1.000	0.821	0.786
Shyamali Dutta	0.964	1.000	0.988	0.964	1.000	0.893	0.982	0.929	0.857	0.857

Table 2 : Composite Quality Indicators

Faculties	Slope (QC)	Variance (QB)	Total SFI (QA)
Aditi Baruah	-14.938	0.053	0.940
Lalit Kakoty	-24.711	0.075	0.938
Shyamali Dutta	-40.718	0.056	0.943

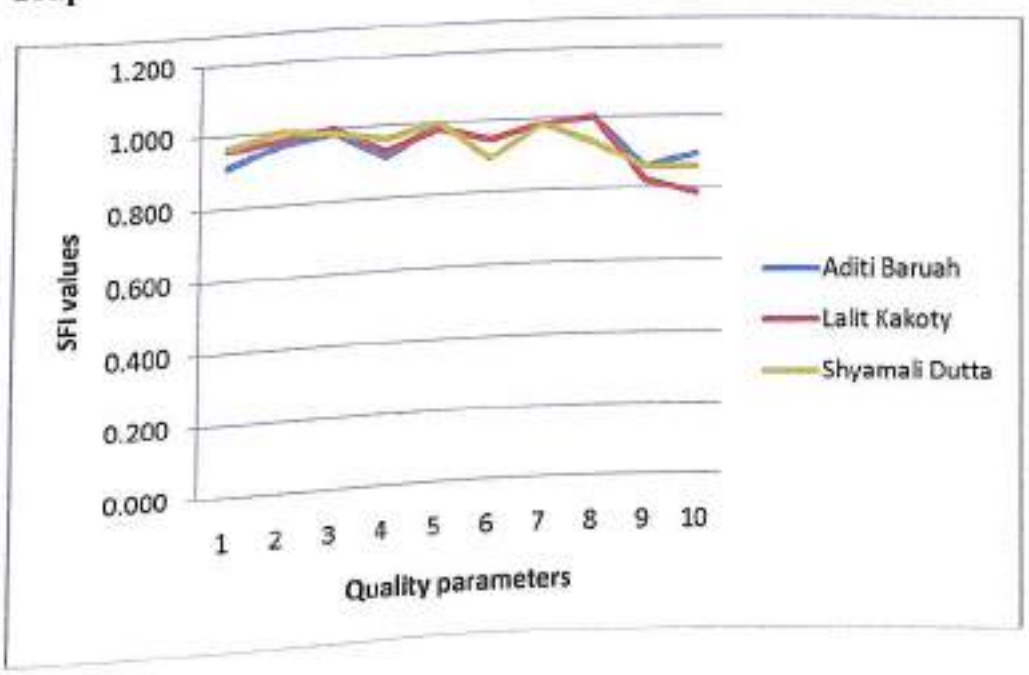
Note:

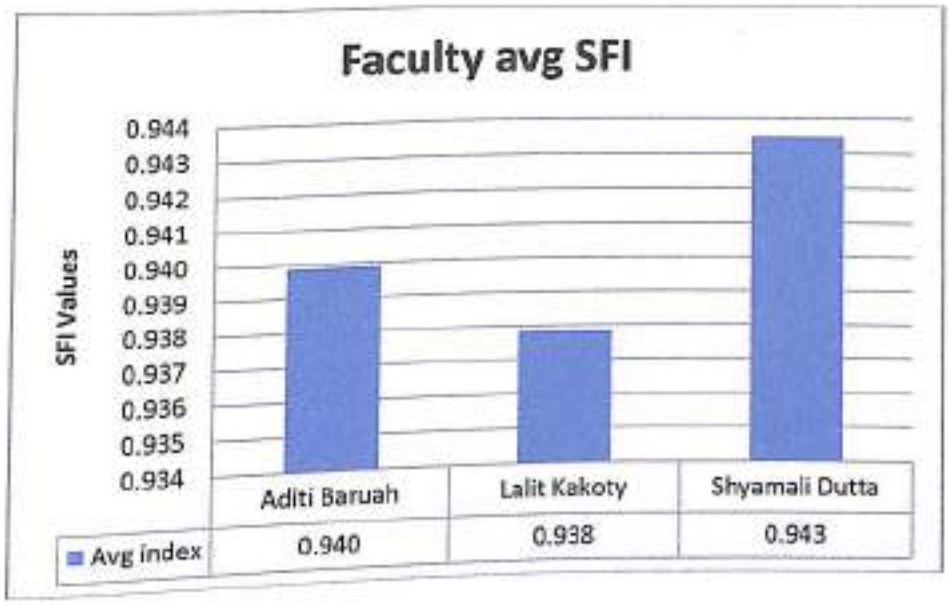
1. Best Quality Achiever Shyamali Dutta
2. Best Quality Balancer : Dr. Aditi Barua
3. Best Quality Concentrator : Shyamali Dutta

Table 2 : Composite Quality Indicators

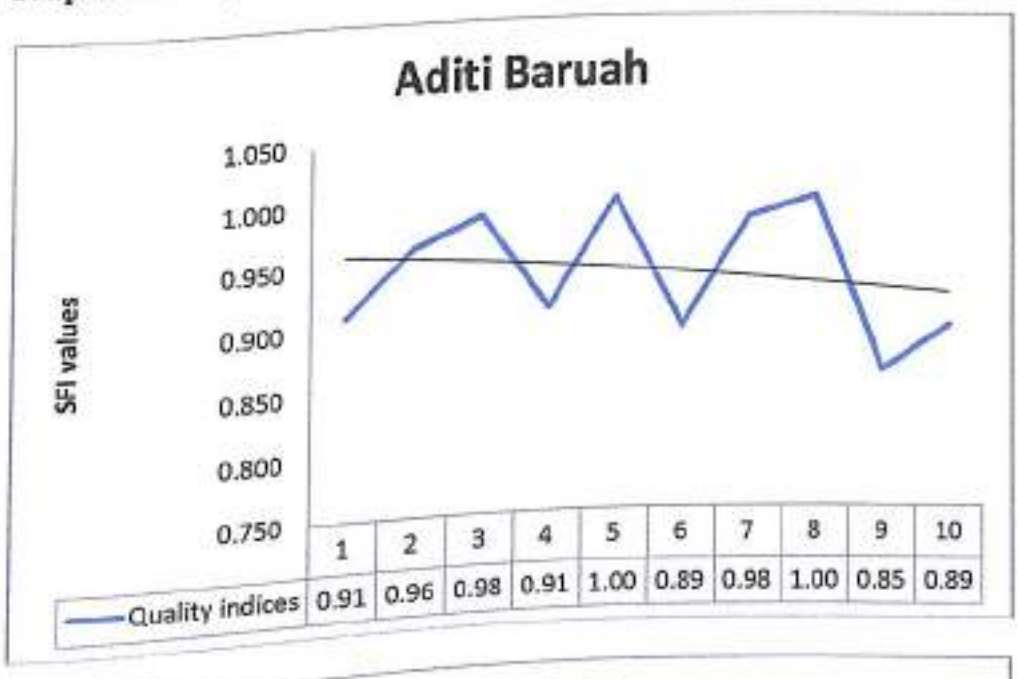
Faculties	Slope (QC)	Variance (QB)	Total SFI (QA)	Total (QA+QB)	Ranks
Aditi Baruah	1	3	2	5	1st
Lalit Kakoty	2	1	1	2	2nd
Shyamali Dutta	3	2	3	5	1st

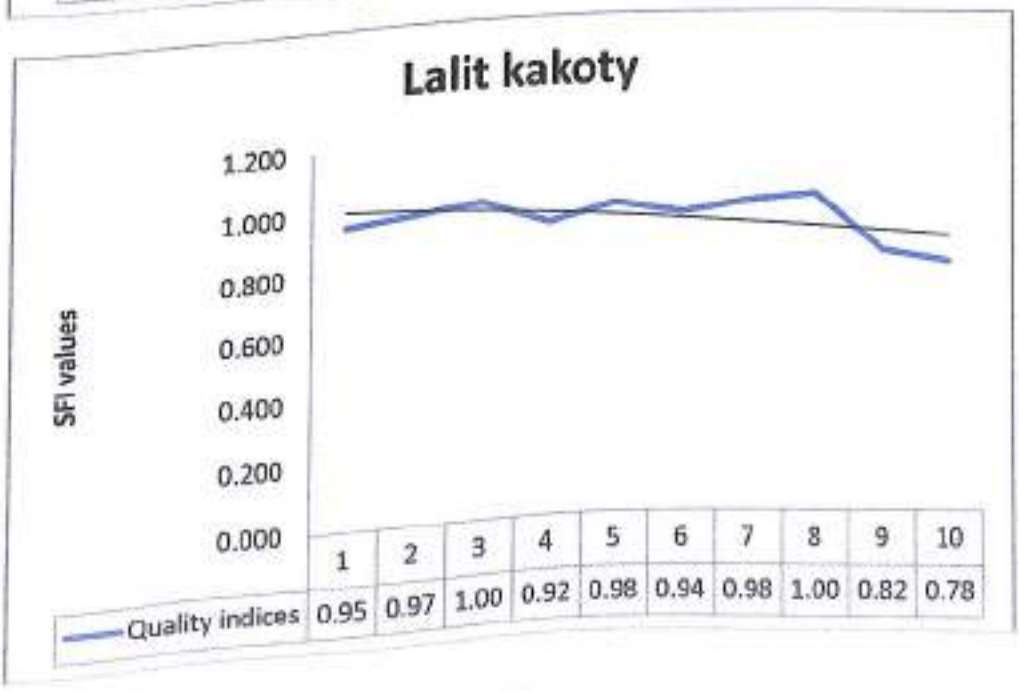
Quality Graphs: Faculty comparison

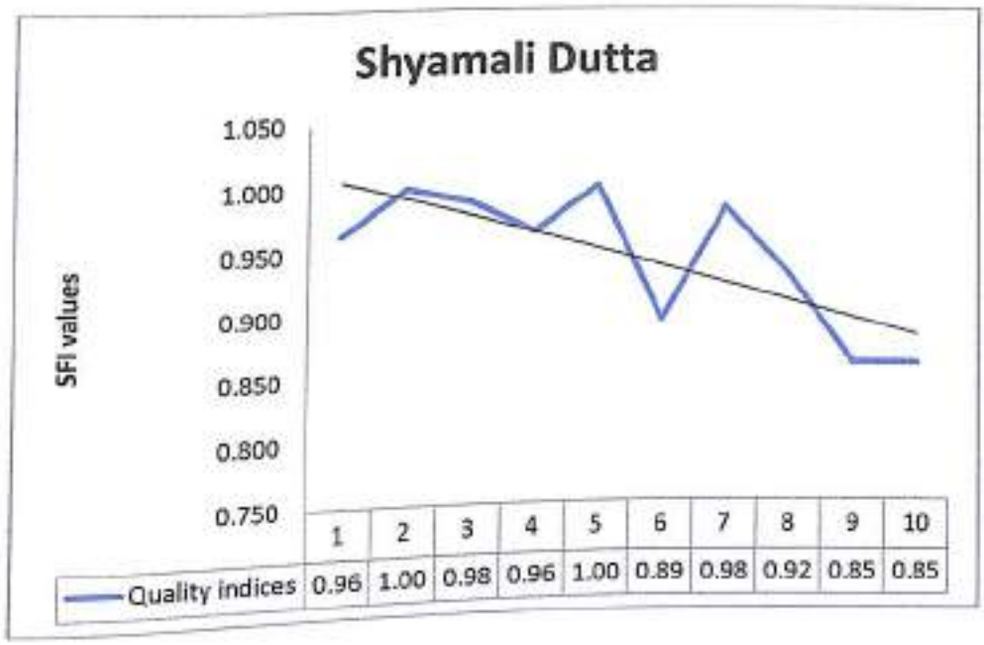




Quality Graphs: Faculty individual







RAMANA COLLEGE Estd.:1968

Inter Departmental Comparison

Table No 1 : Distribution of composite quality index across departments a

Faculty	Slope (QC)	Variance (QB)	Total SFI (QA)
P. Sc. Avg	-2.798	0.075	0.731
Eco Avg	-5.681	0.061	0.880
Ass Avg	-7.263	0.084	0.907
Edn Avg	1.317	0.063	0.909
Hist Avg	-18.989	0.065	0.884
Eng Avg	-10.083	0.041	0.912
Zoo Avg	-17.606	0.060	0.919
Bot Avg	-12.327	0.104	0.774
Ch Avg	-7.479	0.138	0.795
Phy avg	-9.018	0.128	0.793
Math Avg	-17.736	0.079	0.863
Stats Avg	-26.789	0.061	0.940

The highest QC goes to the department of Statistics and the lowest to the department of Education. The highest QB goes to the department of Chemistry and the lowest to the department of Zoology. Again the highest QA goes to the department of Statistics and the lowest goes to the department of Political Science.

Table No 2 : Ranking the departments

Department	Rank in (QC)	Rank in (QB)	Rank in (QA)	Total Rank (QB+QA)	Quality position of the Department
P. sC	11th	7th	12th	19	8th
Eco	10th	3rd	8th	11	5th
Ass	9th	8th	5th	13	7th
Edn	12th	4th	4th	8	4th
Hist	2nd	5th	7th	12	6th
Eng	6th	1st	2nd	3	1st
Zoo	4th	2nd	3rd	5	3rd
Bot Avg	5th	9th	11th	20	9th
Ch Avg	8th	11th	9th	20	9th
Phy avg	7th	10th	10th	20	9th
Math Avg	3rd	6th	6th	12	6th
Stats Avg	1st	3rd	1st	4	2nd

In quality concentration 1st rank goes to the department Statistics, second to the department of History and third to the department of mathematics. I quality balance 1st , 2nd and 3rd rank go to English, Zoology and Economics respectively. In quality achieving first three ranks go to Statistics, English and Zoology respectively. Considering quality balancing and quality achieving altogether 1st position has been occupied by the department English, 2nd by Statistics and 3rd by Zoology.

If arts and science departments are considered separately the departmental ranking will be as follows -

Table No 3 : Ranking the Arts departments

Department	Rank in (QC)	Rank in (QB)	Rank in (QA)	Total Rank (QB+QA)	Quality position of the Department
P. sC	5th	5th	6th	11	6th
Eco	4th	2nd	5th	7	3rd
Ass	3rd	6th	3rd	9	5th
Edn	6th	3rd	2nd	5	2nd
Hist	1st	4th	4th	8	4th
Eng	2nd	1st	1st	2	1st

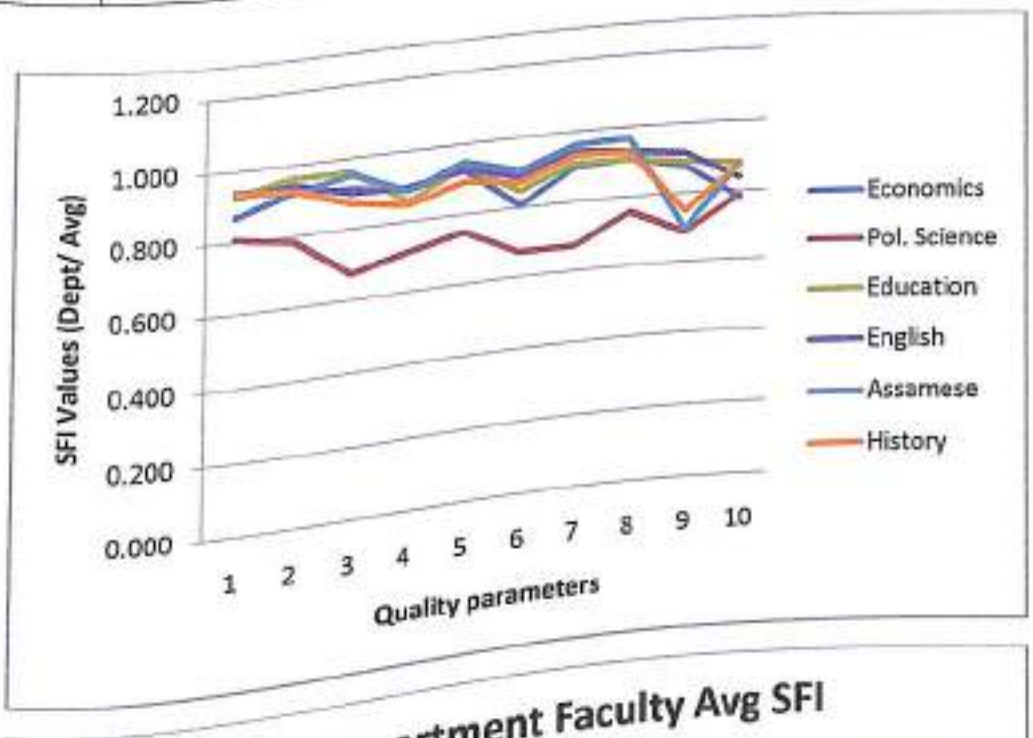
Table No 4 : Ranking the Science departments

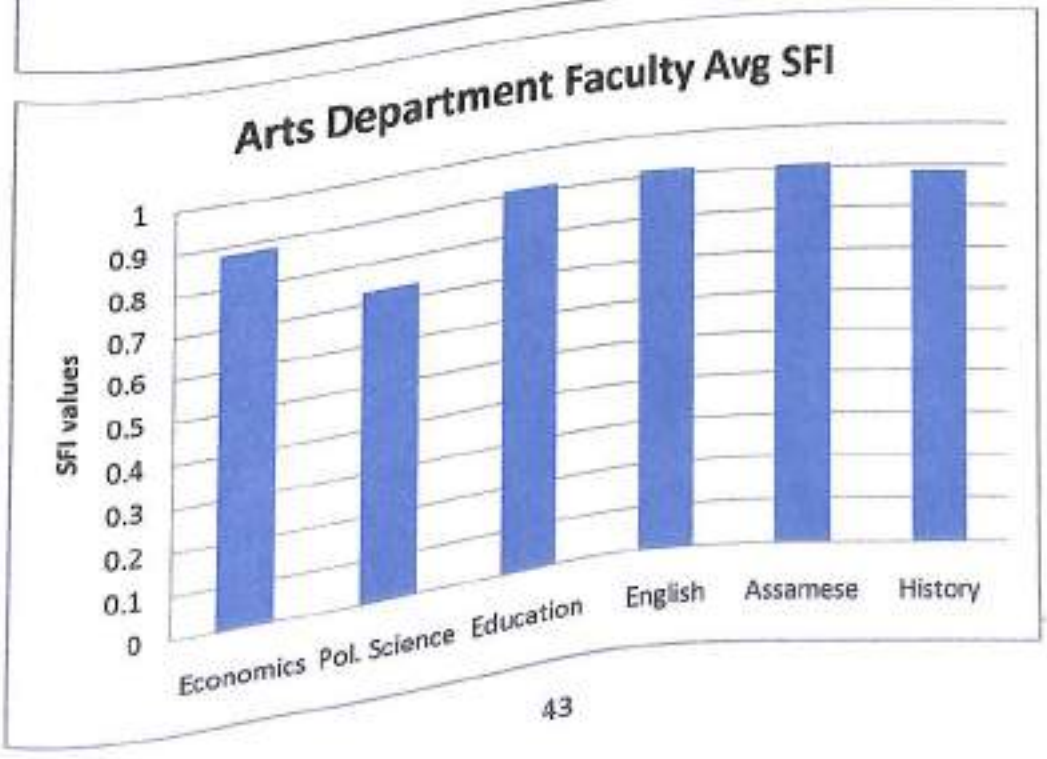
Department	Rank in (QC)	Rank in (QB)	Rank in (QA)	Total Rank (QB+QA)	Quality position of the Department
Zoo	3rd	1st	2nd	3	1st
Bot Avg	4th	4th	6th	10	3rd
Ch Avg	6th	6th	4th	10	3rd
Phy avg	5th	5th	5th	10	3rd
Math Avg	2nd	3rd	3rd	6	2nd
Stats Avg	1st	2nd	1st	3	1st

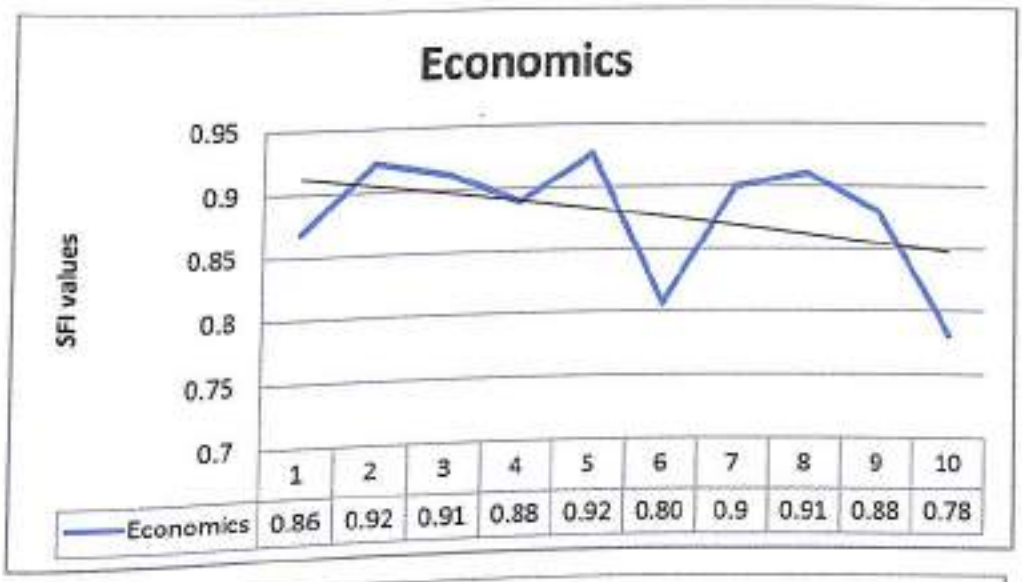
Departmental Quality Graphs (Arts)

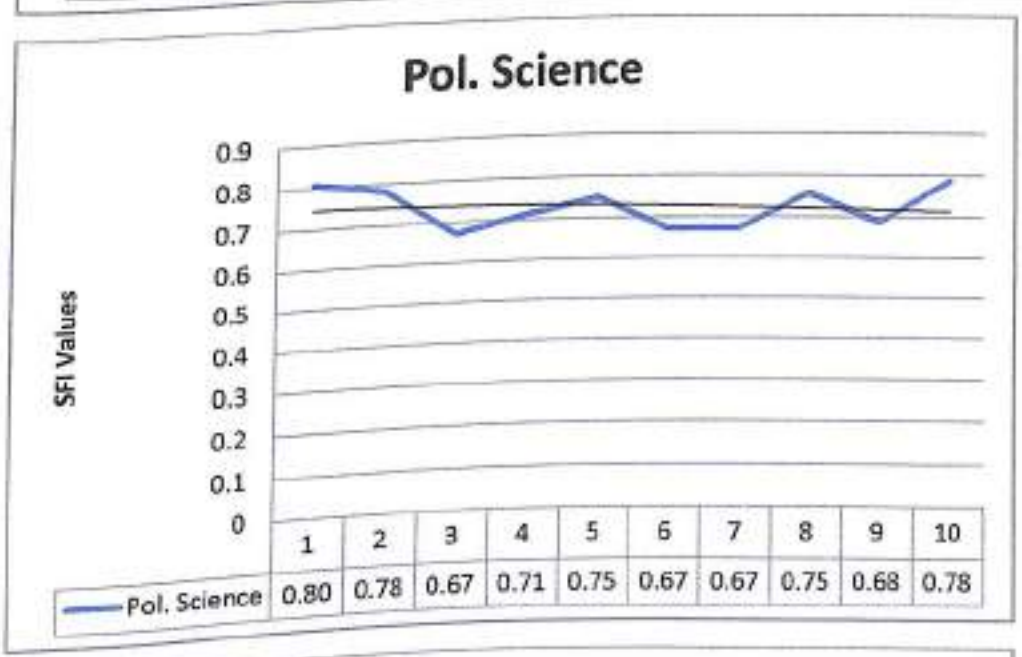
Table 5 : Distribution of arts departments' average SFI

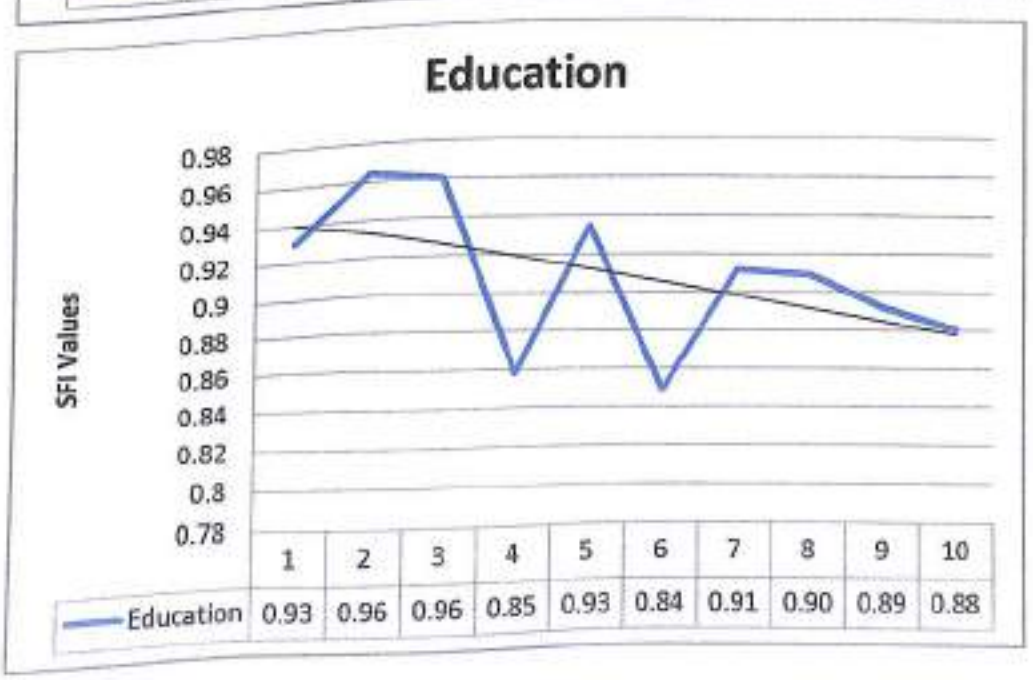
Depts	1	2	3	4	5	6	7	8	9	10
Economics	0.869	0.923	0.913	0.889	0.927	0.806	0.900	0.911	0.880	0.781
Pol. Science	0.808	0.784	0.672	0.713	0.750	0.672	0.674	0.758	0.688	0.789
Education	0.930	0.964	0.960	0.858	0.935	0.849	0.912	0.909	0.892	0.881
English	0.928	0.943	0.902	0.898	0.931	0.889	0.944	0.931	0.917	0.840
Assamese	0.941	0.921	0.955	0.888	0.950	0.906	0.963	0.969	0.697	0.881
History	0.936	0.927	0.873	0.847	0.894	0.873	0.933	0.931	0.750	0.875

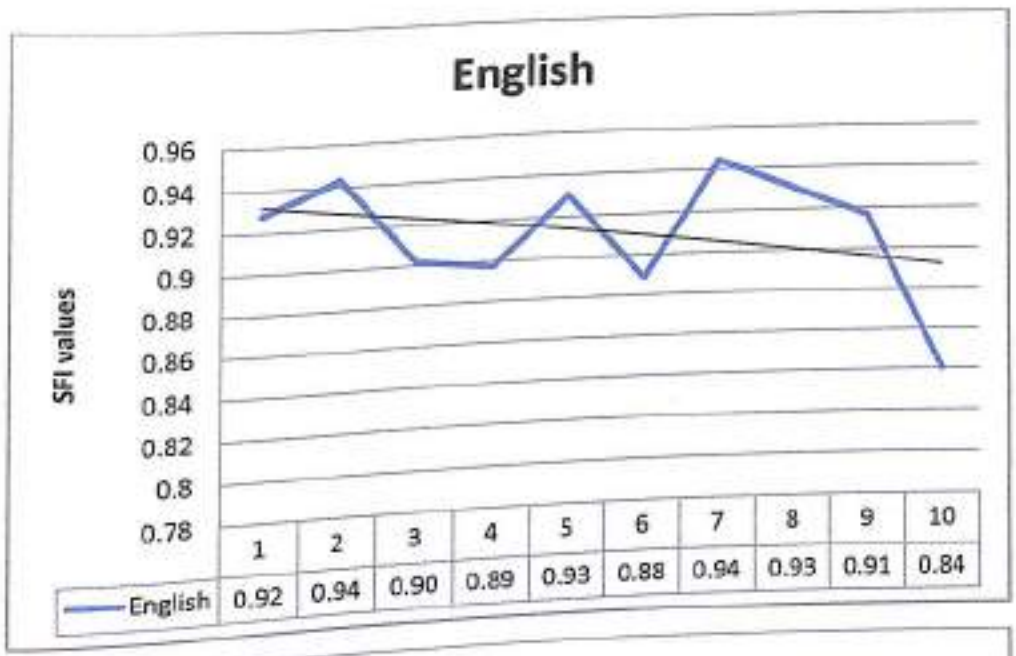


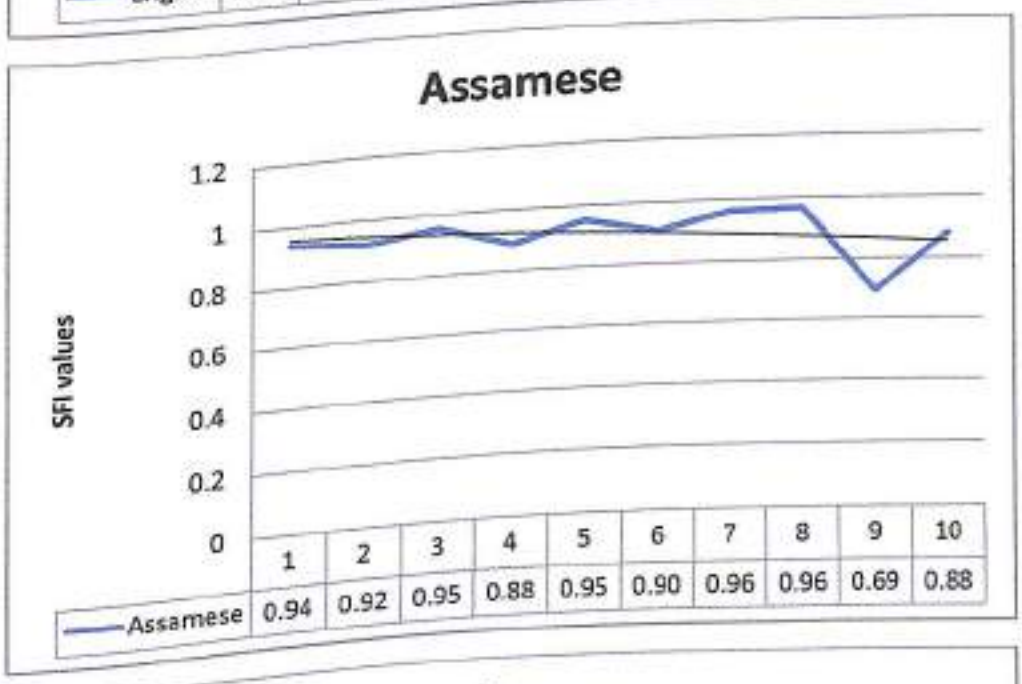



Economics
SFI values
0.95
0.9
0.85
0.8
0.75
0.7
1 2 3 4 5 6 7 8 9 10
Economics 0.86 0.92 0.91 0.88 0.92 0.80 0.9 0.91 0.88 0.78


Pol. Science
SFI Values
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
1 2 3 4 5 6 7 8 9 10
Pol. Science 0.80 0.78 0.67 0.71 0.75 0.67 0.67 0.75 0.68 0.78


Education
SFI Values
0.98
0.96
0.94
0.92
0.9
0.88
0.86
0.84
0.82
0.8
0.78
1 2 3 4 5 6 7 8 9 10
Education 0.93 0.96 0.96 0.85 0.93 0.84 0.91 0.90 0.89 0.88


English
SFI values
0.96
0.94
0.92
0.9
0.88
0.86
0.84
0.82
0.8
0.78
1 2 3 4 5 6 7 8 9 10
English 0.92 0.94 0.90 0.89 0.93 0.88 0.94 0.93 0.91 0.84

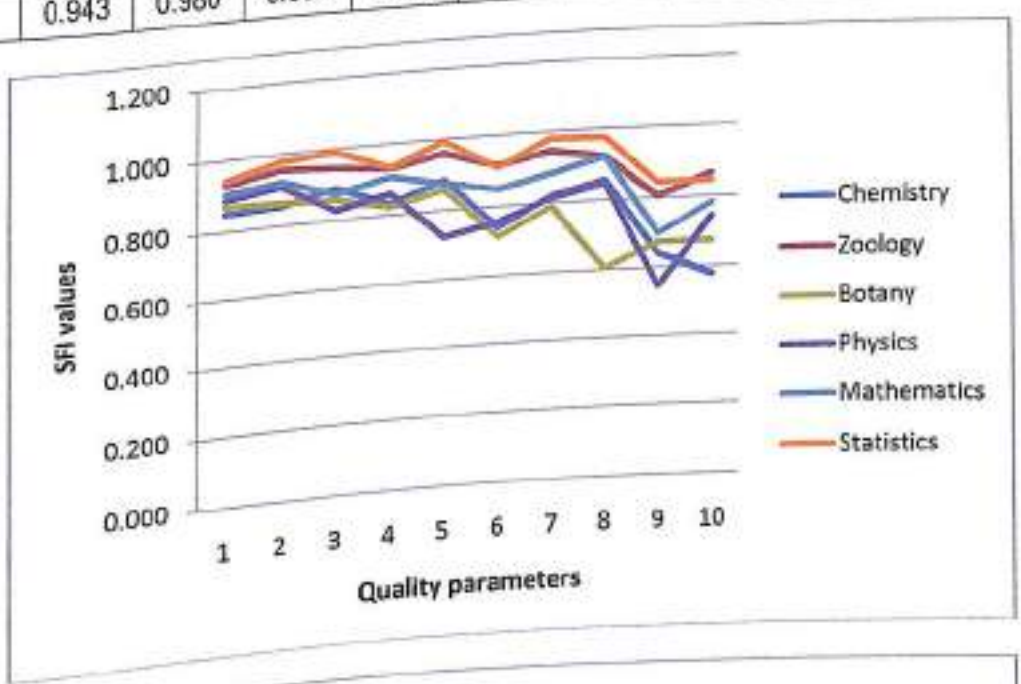

Assamese
SFI values
1.2
1
0.8
0.6
0.4
0.2
0
1 2 3 4 5 6 7 8 9 10
Assamese 0.94 0.92 0.95 0.88 0.95 0.90 0.96 0.96 0.69 0.88

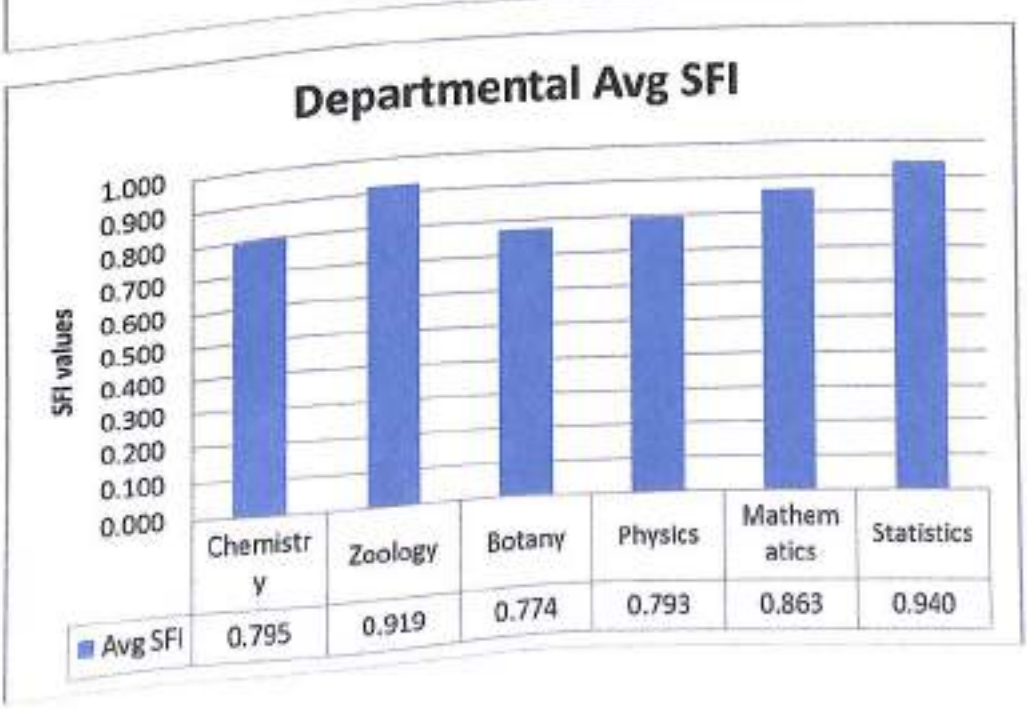
History
SFI values
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
1 2 3 4 5 6 7 8 9 10
History 0.93 0.92 0.87 0.84 0.89 0.87 0.93 0.93 0.75 0.87

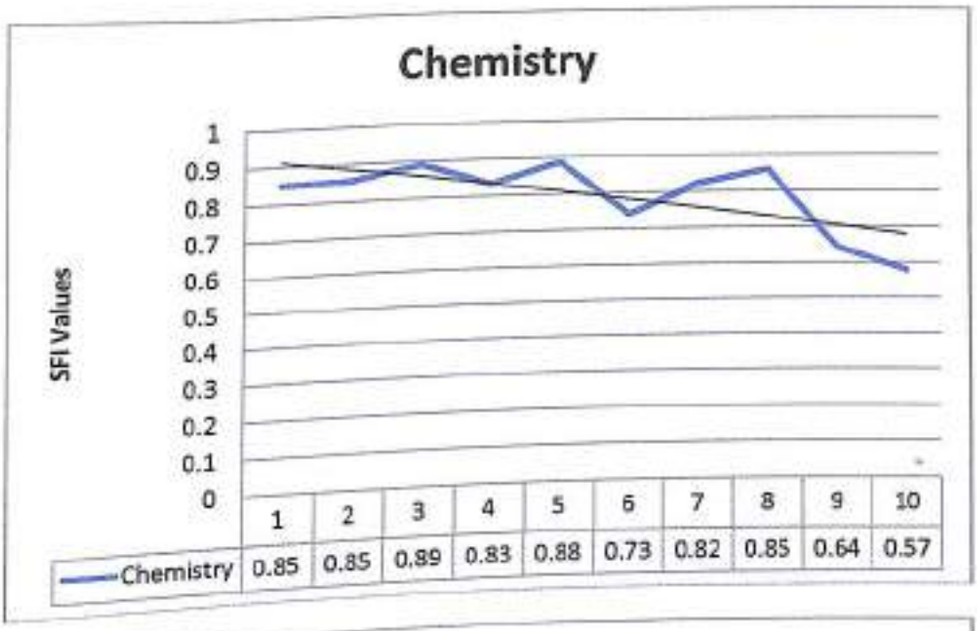
Departmental Quality Graphs (Science)

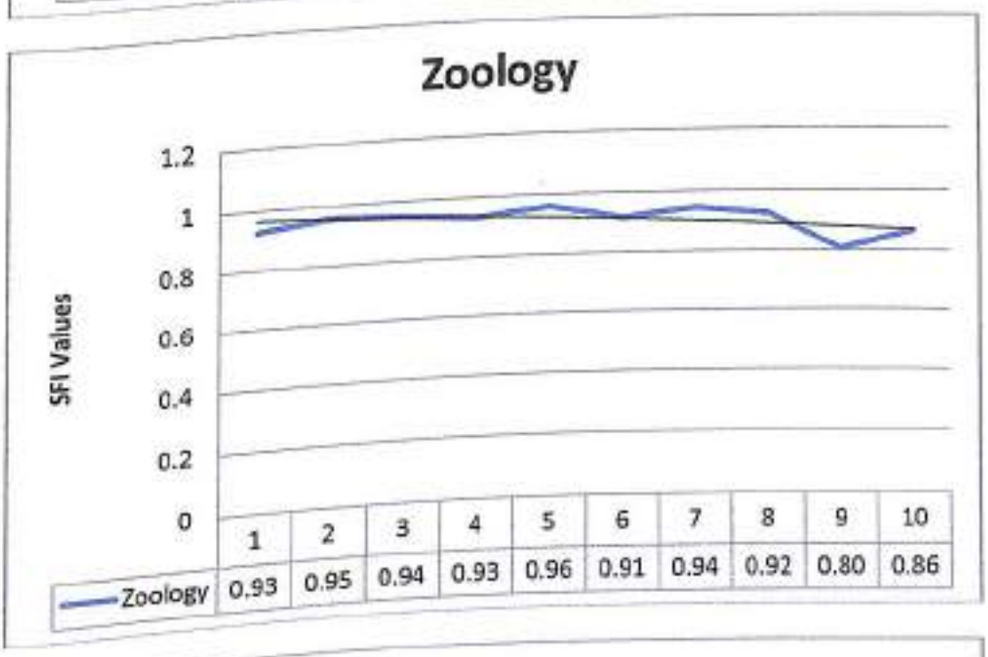
Table 6 : Distribution of arts departments' average SFI

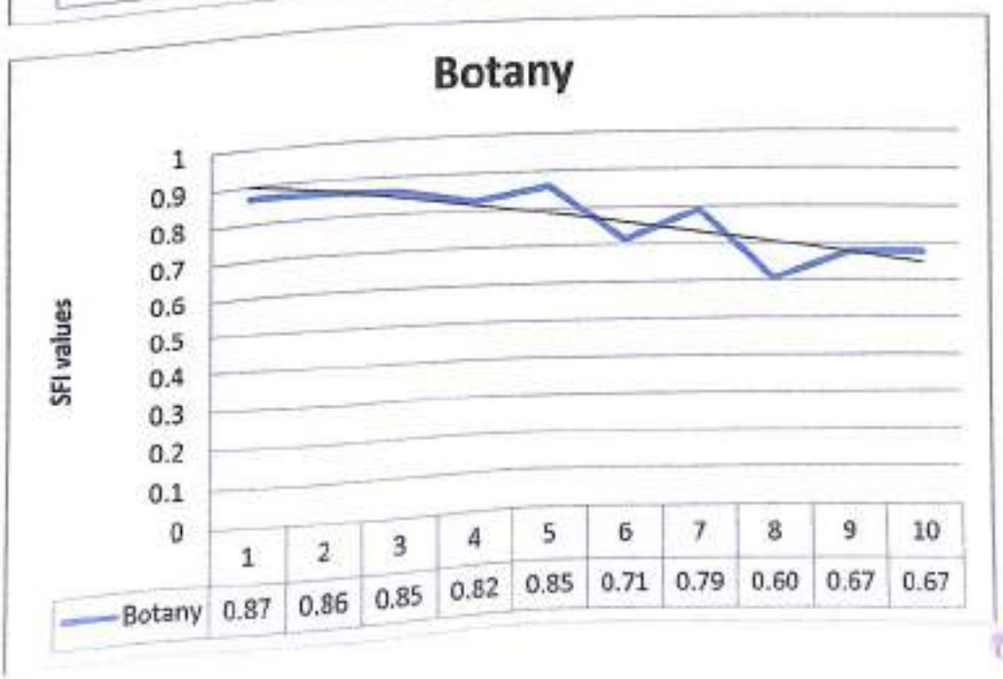
Departments	1	2	3	4	5	6	7	8	9	10
Chemistry	0.850	0.855	0.890	0.832	0.886	0.739	0.821	0.857	0.643	0.579
Zoology	0.930	0.958	0.948	0.932	0.961	0.916	0.946	0.924	0.805	0.866
Botany	0.871	0.865	0.859	0.825	0.859	0.715	0.791	0.605	0.675	0.675
Physics	0.888	0.910	0.830	0.861	0.726	0.757	0.815	0.851	0.546	0.745
Mathematics	0.905	0.923	0.875	0.908	0.877	0.850	0.885	0.924	0.701	0.783
Statistics	0.943	0.960	0.992	0.935	0.994	0.911	0.982	0.976	0.845	0.845

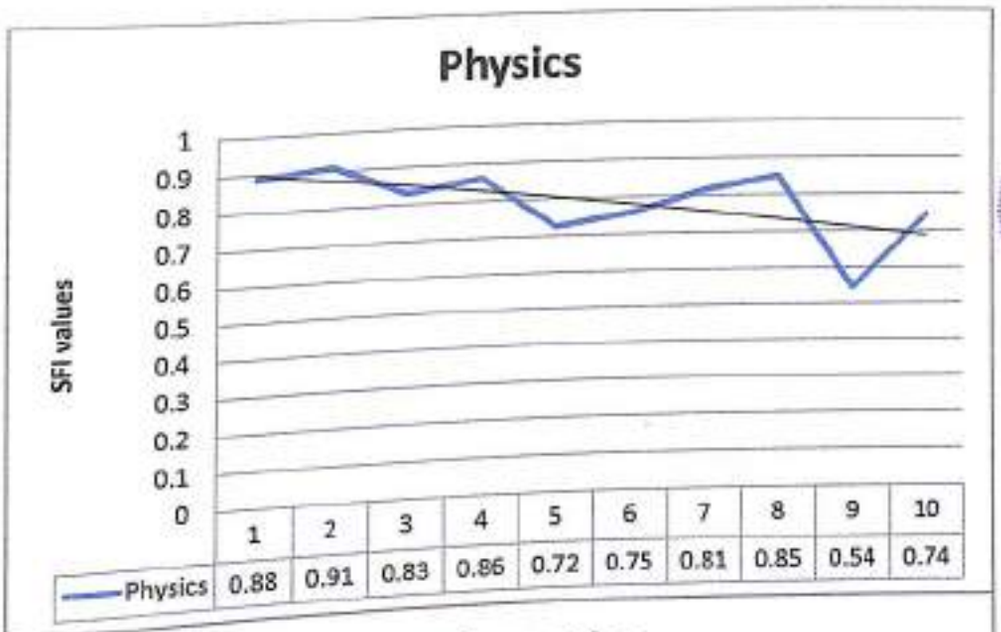


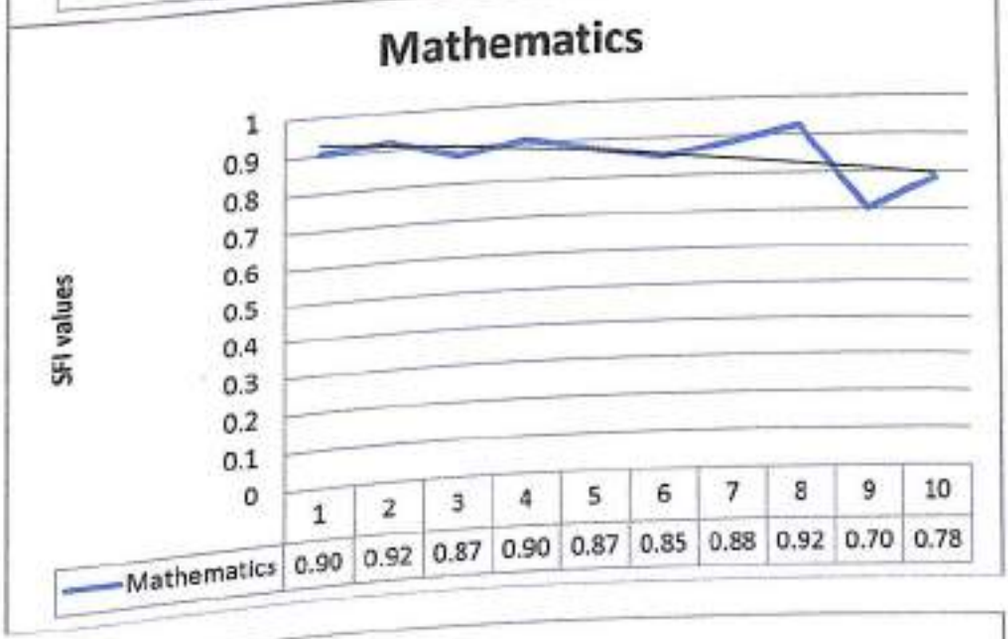


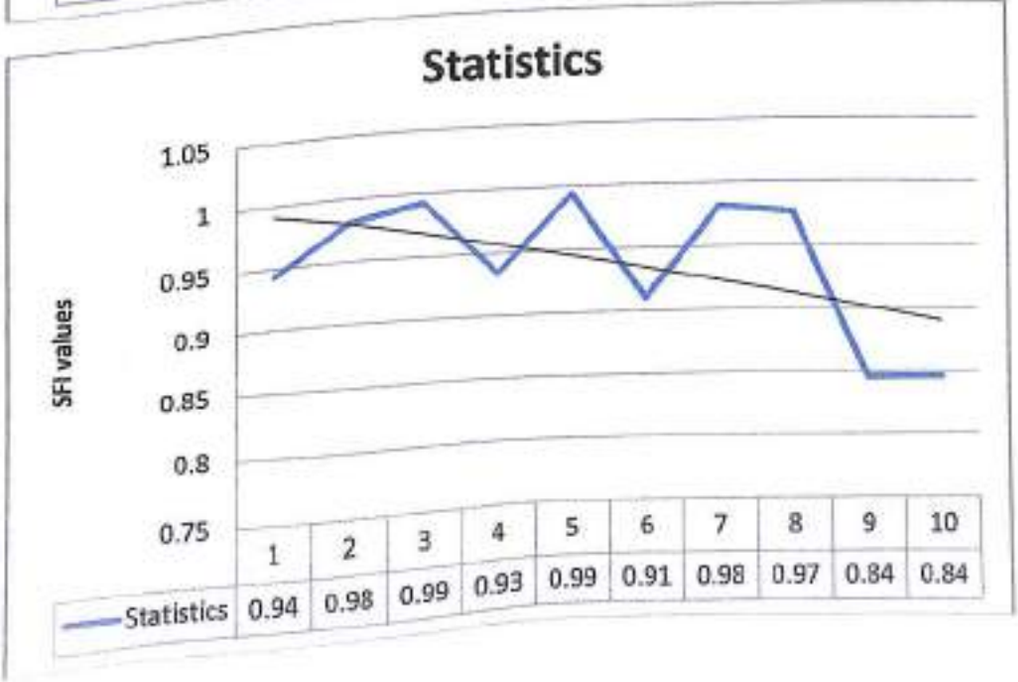

Chemistry
SFI Values
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
1 2 3 4 5 6 7 8 9 10
Chemistry 0.85 0.85 0.89 0.83 0.88 0.73 0.82 0.85 0.64 0.57


Zoology
SFI Values
1.2
1
0.8
0.6
0.4
0.2
0
1 2 3 4 5 6 7 8 9 10
Zoology 0.93 0.95 0.94 0.93 0.96 0.91 0.94 0.92 0.80 0.86


Botany
SFI values
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
1 2 3 4 5 6 7 8 9 10
Botany 0.87 0.86 0.85 0.82 0.85 0.71 0.79 0.60 0.67 0.67







BAHONA COLLEGE Estd.:1966

Table 8 : Distribution of a composite indicator among the faculties

Depts	Faculties	QC	QB	QA
Eco	Binoda Bora	-9.689	0.119	0.775
Eco	Rofique Ahmed	32.711	0.023	0.922
Eco	Mainu Moni Saikia	-21.643	0.029	0.930
Eco	Reema Rabha	-24.101	0.072	0.894
Pol Sc.	Sanjoy Mili	-18.790	0.083	0.754
Pol Sc.	Ranjit Pegu	-5.280	0.078	0.687
Pol Sc.	Mridul Dutta	13.330	0.047	0.909
Pol Sc.	Pankaj Bora	-0.450	0.092	0.573
Eng	Shantana Saikia	-15.450	0.038	0.946
Eng	Samir Ranjan Bora	-37.537	0.048	0.901
Eng	Ajit Kr. Bora	-21.616	0.057	0.882
Eng	Amar jyoti Devnath	34.270	0.022	0.920
Edn	Indrani Barthakur	-6.944	0.036	0.949
Edn	Bubul Deka	-14.545	0.125	0.847
Edn	Amarjyoti Bharali	-10.820	0.063	0.877
Edn	Ilaxi Bora	37.579	0.027	0.963
Ass	Santosh Borthakur	-13.799	0.095	0.895
Ass	Namita Chutia Saikia	-15.005	0.095	0.901
Ass	Madhusmita B. Changkakoti	-9.686	0.070	0.884
Ass	Biba Rani Das	0.977	0.088	0.906
Ass	Sarala Das	1.197	0.075	0.950
Hist	Pranati Duwarah	-25.985	0.063	0.925
Hist	Keshab Nath	-28.421	0.058	0.920
Hist	Ajit Gogoi	-2.561	0.075	0.807
Zoo	Purnima Dutta	-32.288	0.047	0.940
Zoo	Robin Bordoloi	-24.761	0.077	0.914
Zoo	Indira Baruah	-30.175	0.091	0.839
Zoo	Gayatri Agni Bora	0.610	0.065	0.923
Zoo	Bikramaditya Bakalial	-1.416	0.019	0.976
Bot	Suresh Mahanta	-16.372	0.134	0.691
Bot	Tapan Kr. Gogoi	-25.672	0.103	0.753
Bot	Debojyoti Bhuyan	-21.740	0.106	0.729
Bot	Protiva Bora	1.231	0.088	0.884

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Bot	Sangeeta Das	0.918	0.090	0.812
Chem	Dipti Goswami	-15.832	0.114	0.738
Chem	Omar S Ahmed	-10.018	0.126	0.876
Chem	Parinita Bora	-12.163	0.148	0.946
Chem	Protiva Bora	0.464	0.126	0.663
Chem	Pallabi Saikia	0.153	0.178	0.754
Phy	Jiten Nath	-0.107	0.136	0.756
Phy	Gopal Hazarika	-17.229	0.112	0.854
Phy	Sumbit Chaliha	-18.829	0.121	0.784
Phy	Diganta Pd. Gogoi	0.091	0.145	0.778
Math	Prasanta Bordoloi	-19.227	0.109	0.830
Math	Papori Neog Bora	-26.531	0.072	0.892
Math	Alok Kr. Dutta	-26.001	0.050	0.920
Math	Manash Jyoti Bora	0.816	0.085	0.811
Stats	Aditi Baruah	-14.938	0.053	0.940
Stats	Lalit Kakoty	-24.711	0.075	0.938
Stats	Shyamali Dutta	-40.718	0.056	0.943

BAHONA COLLEGE
Estd.:1966
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Table 8 : Ranking the faculties, the College as a whole

Depts	Faculties	QC	QB	QA	QB+QA	Rank in QB+QA
Zoo	Bikramaditya Bakalial	35	1	1	2	1
Edn	Ilaxi Bora	50	4	2	6	2
Edn	Indrani Barthakur	32	6	4	10	3
Eng	Shantana Saikia	22	7	6	13	4
Eco	Mainu Moni Saikia	14	5	11	16	5
Zoo	Purnima Dutta	3	9	8	17	6
Eco	Rofique Ahmed	48	3	14	17	6
Eng	Amar jyoti Devnath	49	2	15	17	6
Stats	Shyamali Dutta	1	13	7	20	7
Stats	Aditi Baruah	24	12	9	21	8
Ass	Sarala Das	45	23	3	26	9
Pol Sc.	Mridul Dutta	47	8	19	27	10
Hist	Pranati Duwarah	8	16	12	28	11
Math	Alok Kr. Dutta	7	11	17	28	11
Zoo	Gayatri Agni Bora	41	18	13	31	12
Hist	Keshab Nath	5	15	16	31	12
Eng	Samir Ranjan Bora	2	10	21	31	13
Stats	Lalit Kakoty	11	22	10	32	14

Eng	Ajit Kr. Bora	15	14	28	42	15
Zoo	Robin Bordoloi	10	25	18	43	16
Eco	Reema Rabha	12	21	24	45	17
Math	Papori Neog Bora	6	20	25	45	17
Ass	Madhusmita B. Changkakoti	31	19	27	46	18
Edn	Amarjyoti Bharali	28	17	29	46	18
Ass	Biba Rani Das	44	29	20	49	19
Chem	Parinita Bora	27	49	5	54	20
Ass	Namita Chutia Saikia	23	34	22	56	21
Bot	Protiva Bora	46	30	26	56	21
Ass	Santosh Borthakur	26	35	23	58	22
Hist	Ajit Gogoi	34	24	37	61	23
Math	Manash Jyoti Bora	42	28	36	64	24
Zoo	Indira Baruah	4	32	33	65	25
Bot	Sangeeta Das	43	31	35	66	26
Phy	Gopal Hazarika	19	39	31	70	27
Pol Sc.	Sanjoy Mili	18	27	43	70	27
Math	Prasanta Bordoloi	16	38	34	72	28
Pol Sc.	Ranjit Pegu	33	26	48	74	29
Chem	Omar S Ahmed	29	45	30	75	30
Edn	Bubul Deka	25	43	32	75	30
Phy	Sumbit Chaliha	17	42	38	80	31
Bot	Tapan Kr. Gogoi	9	36	44	80	31
Eco	Binoda Bora	30	41	40	81	32
Bot	Debojyoti Bhuyan	13	37	46	83	33
Pol Sc.	Pankaj Bora	36	33	50	83	33
Chem	Dipti Goswami	21	40	45	85	34
Phy	Diganta Pd. Gogoi	38	48	39	87	35
Phy	Jiten Nath	37	47	41	88	36
Chem	Pallabi Saikia	39	50	42	92	37
Bot	Suresh Mahanta	20	46	47	93	38
Chem	Protiva Bora	40	44	49	93	38

BAHONA COLLEGE
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Table 8 : Ranking the faculties, the Arts Departments

Depts	Faculties	QC	QB	QA	QB+QA	Rank in QB+QA
Edn	Ilaxi Bora	24	3	1	4	1
Edn	Indrani Barthakur	15	5	3	8	2
Eco	Mainu Moni Saikia	5	4	5	9	3
Eco	Rofique Ahmed	22	2	7	9	3
Eng	Amar jyoti Devnath	23	1	8	9	3

Eng	Shantana Saikia	8	6	4	10	4
Ass	Sarala Das	20	15	2	17	5
Hist	Pranati Duwarah	3	11	6	17	5
Pol Sc.	Mridul Dutta	21	7	10	17	5
Hist	Keshab Nath	2	10	9	19	6
Eng	Samir Ranjan Bora	1	8	12	20	7
Eng	Ajit Kr. Bora	6	9	17	26	8
Eco	Reema Rabha	4	14	15	29	9
Ass	M. B. Changkakoti	14	13	16	29	9
Ass	Biba Rani Das	19	19	11	30	10
Edn	Amarjyoti Bharali	12	12	18	30	10
Ass	Namita Chutia Saikia	9	21	13	34	11
Ass	Santosh Borthakur	11	22	14	36	12
Hist	Ajit Gogoi	17	16	20	36	12
Pol Sc.	Sanjoy Mili	7	18	22	40	13
Pol Sc.	Ranjit Pegu	16	17	23	40	13
Edn	Bubul Deka	10	24	19	43	14
Eco	Binoda Bora	13	23	21	44	15
Pol Sc.	Pankaj Bora	18	20	24	44	15

Table 9 : Ranking the faculties, the Science Departments

Depts	Faculties	QC	QB	QA	QB+QA	Rank in QB+QA
Zoo	Bikramaditya Bakalial	18	1	1	2	1
Zoo	Purnima Dutta	2	2	4	6	2
Stats	Shyamali Dutta	1	5	3	8	3
Stats	Aditi Baruah	15	4	5	9	4
Math	Alok Kr. Dutta	5	3	8	11	5
Zoo	Gayatri Agni Bora	23	6	7	13	6
Stats	Lalit Kakoty	8	8	6	14	7
Math	Papori Neog Bora	4	7	10	17	8
Zoo	Robin Bordoloi	7	9	9	18	9
Bot	Protiva Bora	26	11	11	22	10
Chem	Parinita Bora	16	25	2	27	11
Zoo	Indira Baruah	3	13	14	27	11
Math	Manash Jyoti Bora	24	10	17	27	11
Bot	Sangeeta Das	25	12	16	28	12
Phy	Gopal Hazarika	12	17	13	30	13
Math	Prasanta Bordoloi	10	16	15	31	14

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Chem	Omar S Ahmed	17	21	12	33	15
Bot	Tapan Kr. Gogoi	6	14	22	36	16
Phy	Sumbit Chaliha	11	19	18	37	17
Bot	Debojyoti Bhuyan	9	15	24	39	18
Chem	Dipti Goswami	14	18	23	41	19
Phy	Diganta Pd. Gogoi	20	24	19	43	20
Phy	Jiten Nath	19	23	20	43	20
Chem	Protiva Bora	22	20	26	46	21
Chem	Pallabi Saikia	21	26	21	47	22
Bot	Suresh Mahanta	13	22	25	47	22

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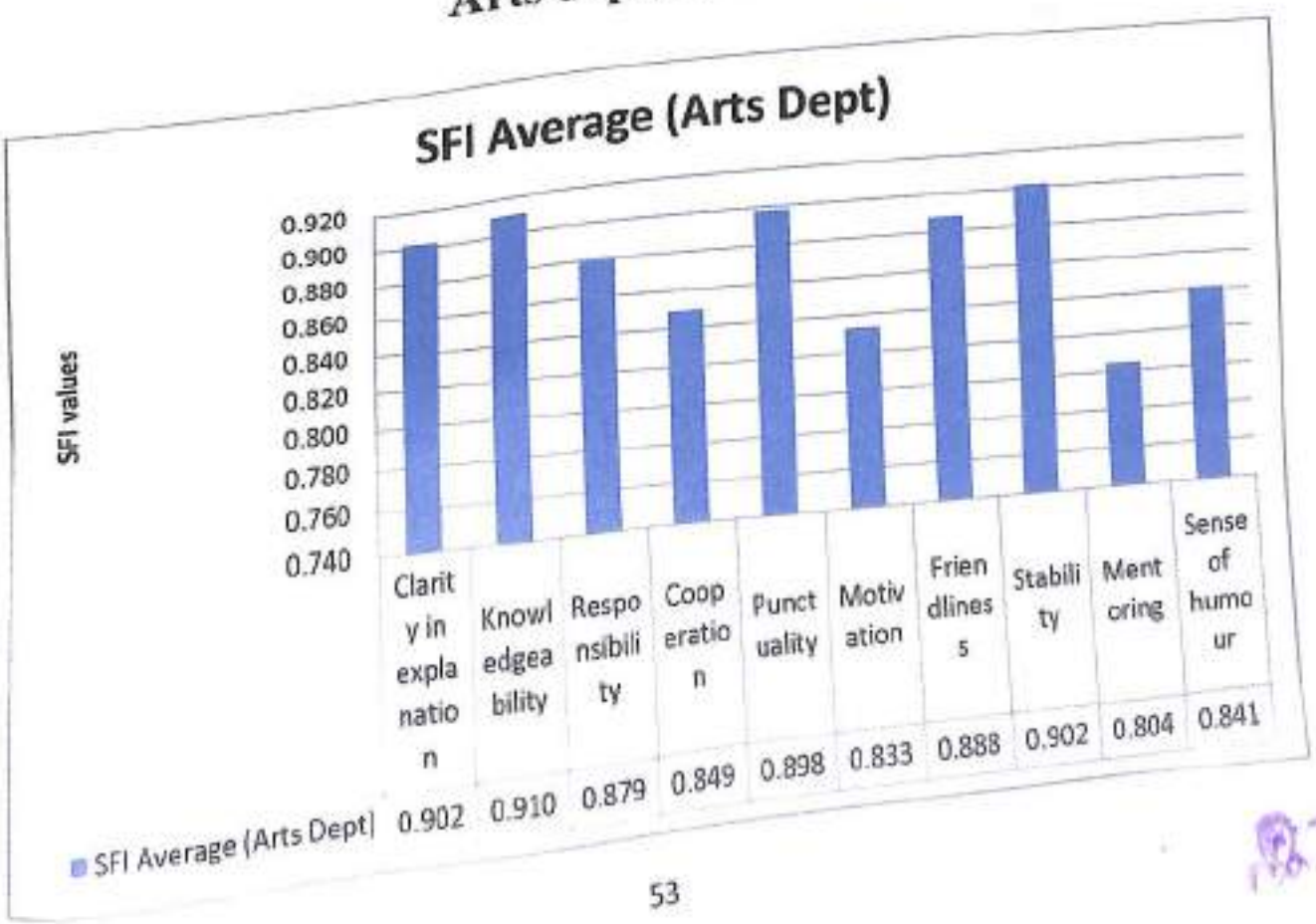
Identifying the weakness and Strength

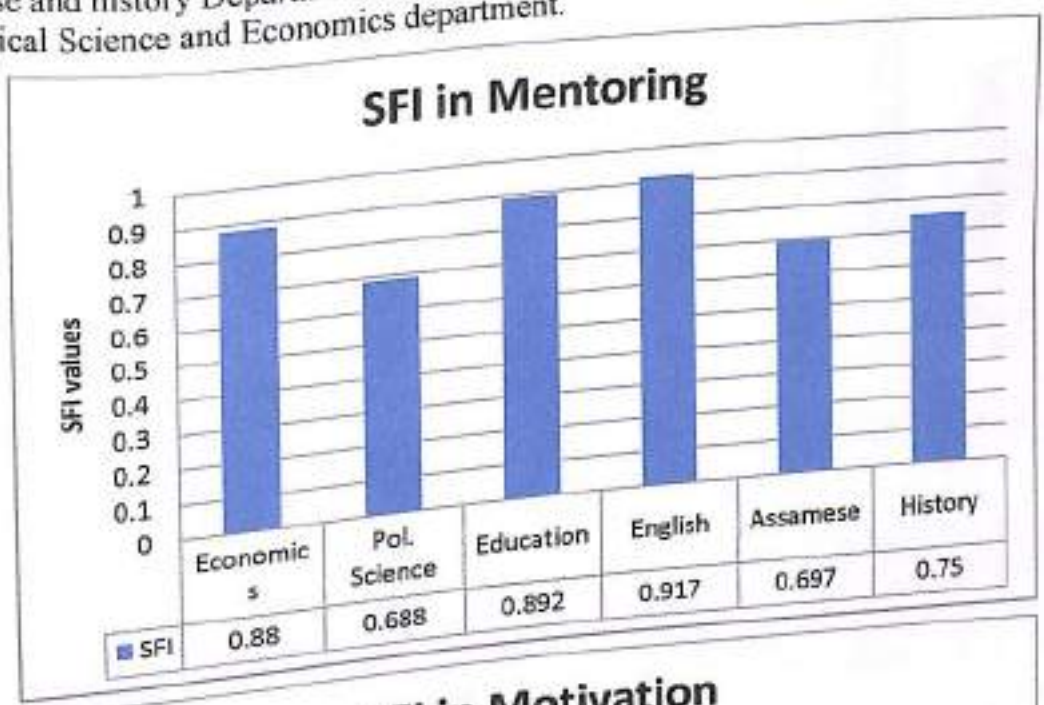
Table 10 : Department average SFI Arts and Science divided

	Clarity in explanation	Knowledge ability	Respon-sibility	Cooperation	Punctuality	Motivation	Friendliness	Stability	Mentoring	Sense of humour
SFI Average (Arts Dept)	0.902	0.910	0.879	0.849	0.898	0.833	0.888	0.902	0.804	0.841
SFI Average (Science Dept)	0.898	0.915	0.899	0.882	0.884	0.815	0.873	0.856	0.703	0.749

Arts departments



If 90% attainment is considered as achievement then SFI value of 0.900 is the cut off. Thus this achievement has been attained in case of clarity in explanation, knowledge ability and stability. In other quality parameters this level of achievement is yet to attain. The lowest achievement has been attained in case of mentoring, next in case of motivation. As shown in following diagram the mentoring performance is comparatively lower for Political Science, Assamese and history Department and in motivation the performance is comparatively lower for Political Science and Economics department.



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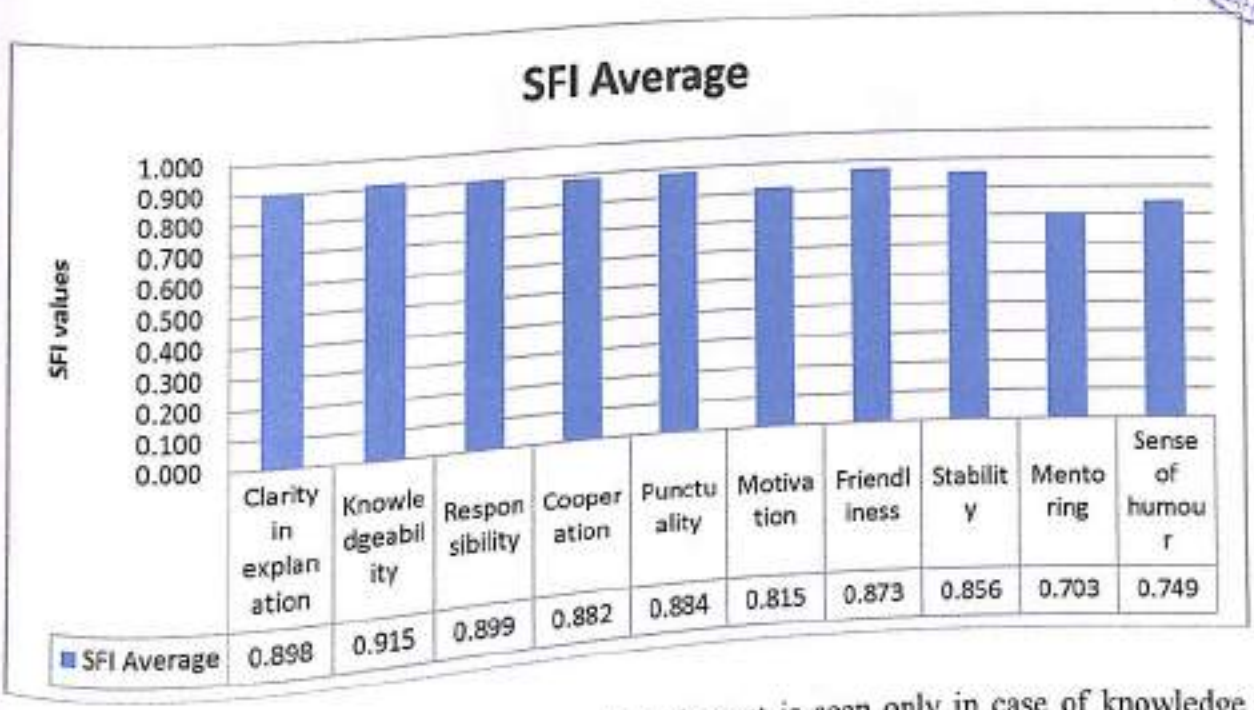
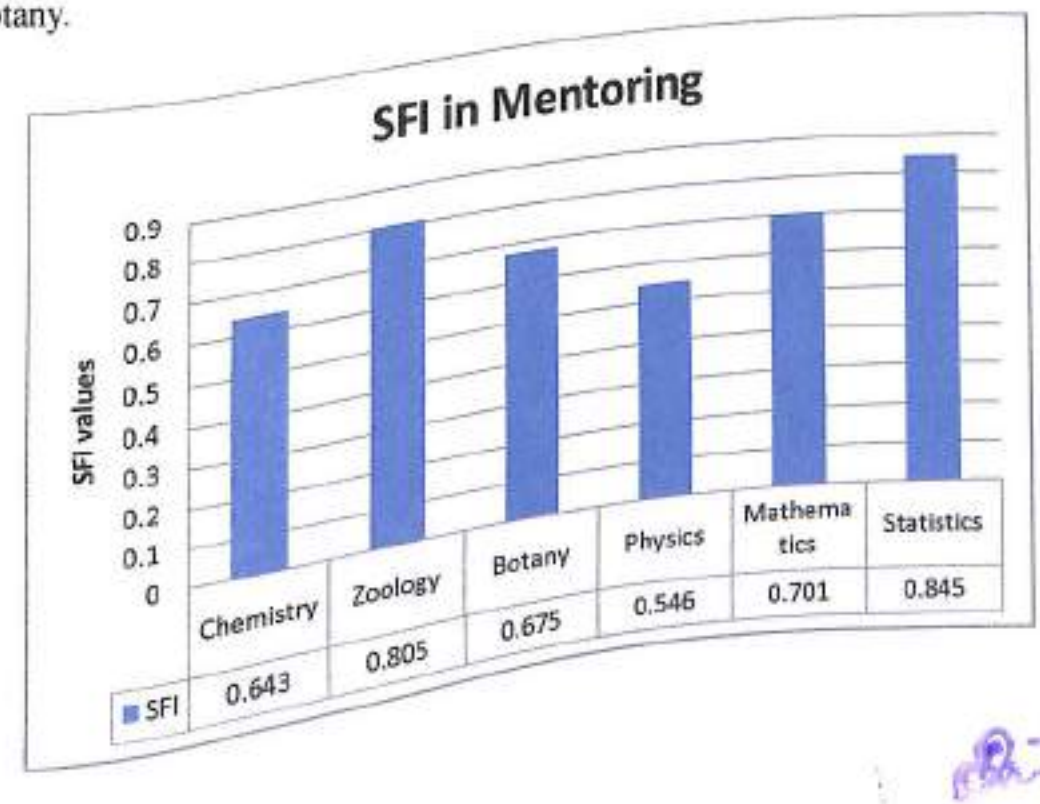
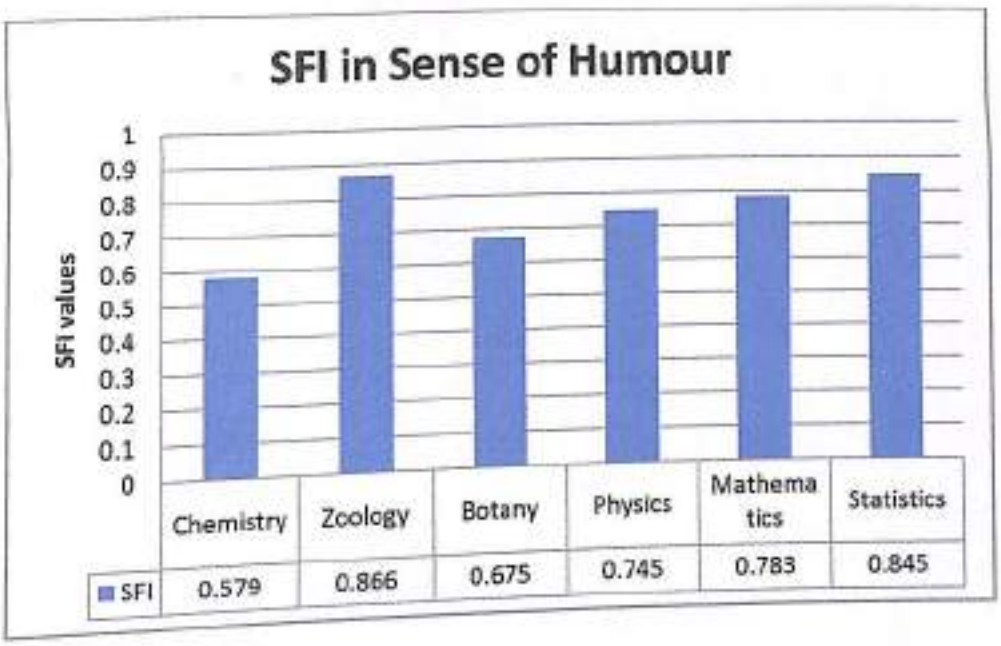
Science departments



In case of Science Departments 90 percent attainment is seen only in case of knowledge ability. The lowest performance again goes to mentoring, next sense of humour. As shown in the following diagram here the lowest performance goes to the department of Physics, next Chemistry. In making sense of humour the performance is comparatively less for Chemistry and Botany.





Conclusions

The IQAC of the College makes feedback analysis not to commend and recommend on policy measures. The findings as shown above are open to all for self analysis and evaluation and to take necessary action as required. This copy is also to be submitted to the Principal of the College so that he can take necessary measures in matter of quality improvement considering students' perception of teachers and teachings. Utmost care has been taken in method formulation and analysis. Neutrality in analysis is 100 percent assured. Any clarification regarding formulation and analysis is always welcome.

This time, students' feedback analysis is comprehensive and seems to be qualitatively better. Qualitatively better in the sense after explaining the questionnaire thoroughly that feed back information was collected from the students directly. So, this feedback analysis is more reliable than before.

Next year onward, feedback analysis is attempted to cover comparative study with its previous ones.

Sd/-
Dr. R. Ahmed)
Coordinator
IQAC, Bahona College