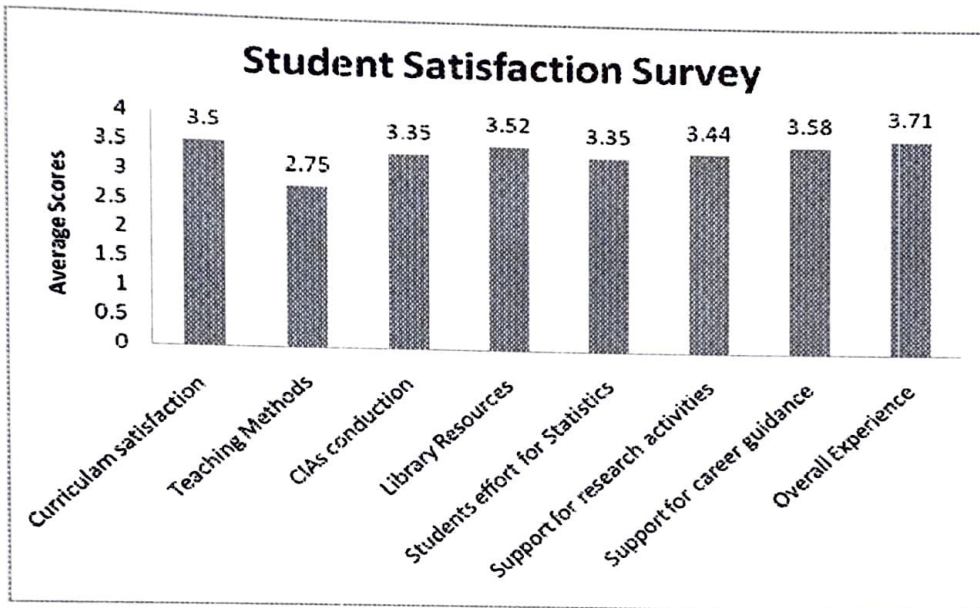


**DEPARTMENT OF STATISTICS
ACADEMIC YEAR 2016-17**

STUDENT FEEDBACK REPORT

Department of Statistics conducted a student feedback survey using standard questionnaire methods using Google forms from final year CMS/EMS students. Following are some of the findings from the feedback survey.



Observations:

1. There is a equal importance for all the subjects Computer Science, Maths, Statistics and Economics while choosing CMS/EMS
2. 55% - 60% of the students have basic knowledge in statistics prior joining the courses
3. Department need to improve the teaching methods comparing to other parameter significantly.
4. There is a increase satisfaction in career guidance comparing to previous academic year 3.15
5. Department introduced student-faculty research and it made significant impact among the students.
6. More than 60% of the students are looking for higher studies and between 20-30 % are looking for jobs.
7. Students are interested for higher studies in analytics related subjects
8. More than 80% of the students are looking for industry visits from the departments as extra-curricular activities.
9. The overall experience with the department is 3.71 which is a positive sign for the department.
10. More than 80% of the students are interested to recommend these courses to others.

[Signature]
Head
Department of Statistics
Christ University
Mangaluru - 546 012

Department of Statistics Feedback Survey

This survey is being conducted by the Department of Statistics to review and revise the current curriculum and teaching methods. Please answer all the questions honestly, to the best of your knowledge. We appreciate your cooperation.

* Required

1. Gender

Mark only one oval.

- Male
 Female
 Other: _____

2. Class *

Mark only one oval.

- 2 CMS
 2 EMS
 4 CMS
 4 EMS
 6 CMS
 6 EMS

3. Which is your subject of priority for having chosen this course? *

Check all that apply.

- Computer Science
 Economics
 Mathematics
 Statistics



4. Have you studied statistics in your school/PUC? *

Mark only one oval.

- Yes
 No



5. Rank the present statistics curriculum. *

Mark only one oval.

	1	2	3	4	5	
Very poor	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Excellent

6. Rank the present teaching methods adopted by the faculty members of the Statistics department. *

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Very poor	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Excellent

7. Rank the present methods adopted for conducting CIAs adopted by the faculty members of the Statistics department. *

Mark only one oval.

	1	2	3	4	5	
Very poor	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Excellent

8. Rank your level of satisfaction with the library resources related to statistics. *

Mark only one oval.

	1	2	3	4	5	
Very dissatisfied	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Very satisfied

9. Rank the level of effort you put into the subject. *

Mark only one oval.

	1	2	3	4	5	
Very low	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Very high

10. Rank your level of satisfaction with the support given for research activities from the department. *

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11. Rank your level of satisfaction with the career guidance provided by the department. *
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	1	2	3	4	5	
Very dissatisfied	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Very satisfied

12. What are your plans after UG? *

Mark only one oval.

- Higher studies
- Work
- Not decided

13. If higher studies, which subject do you want to specialize in? *

Check all that apply.

- Computer Science
- Data Analytics
- Economics
- Mathematics
- Statistics
- Other: _____

14. Would you like to have skill enhancement courses on advanced statistical data analysis techniques? *

Mark only one oval.

- Yes
- No

15. Among the following options, select the extra-curricular activities that you would like to have *

Check all that apply.

- Student seminars
- Guest lectures
- Industrial visits
- Workshops
- Other: _____

16. Is student feedback mandatory in improving the curriculum? *

Mark only one oval.

- Yes
- No

17. Rank your overall experience with the department of Statistics. *

Mark only one oval.

1 2 3 4 5

Very poor

Excellent

18. Would you recommend this course to others? *

Mark only one oval.

Yes

No

Maybe

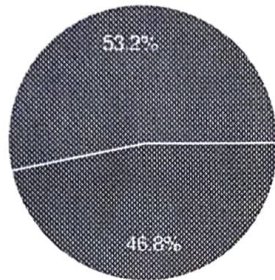
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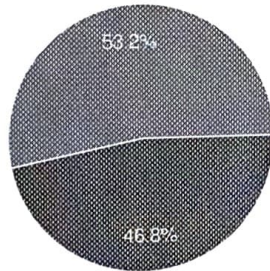
Summary

Gender



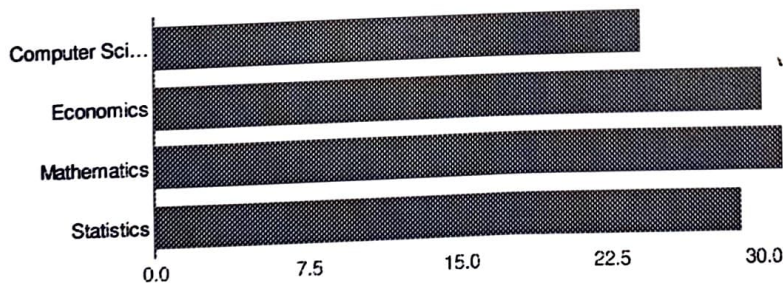
Male	37	46.8%
Female	42	53.2%
Other	0	0%

Class



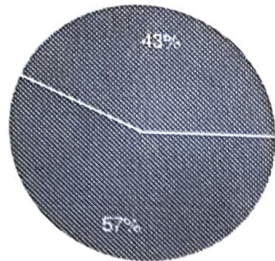
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Which is your subject of priority for having chosen this course?



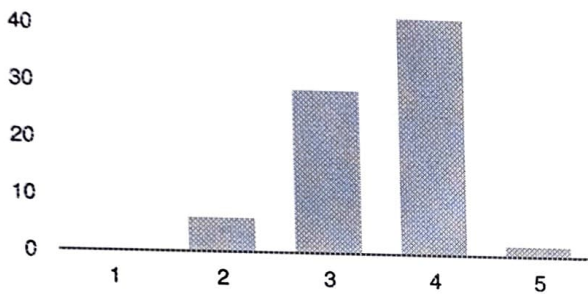
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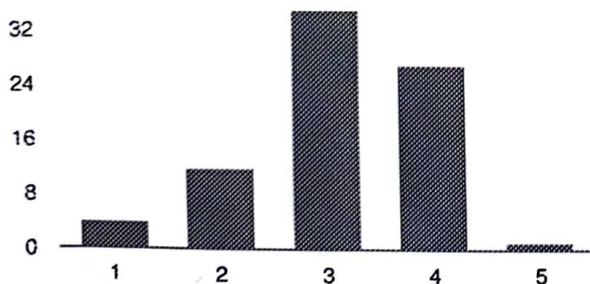
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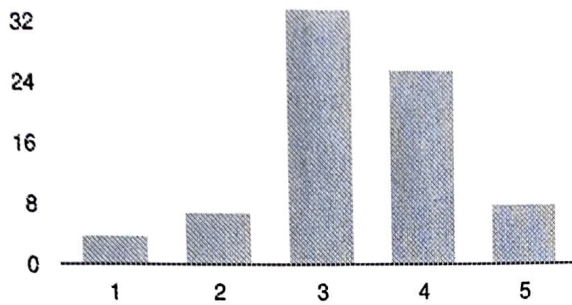
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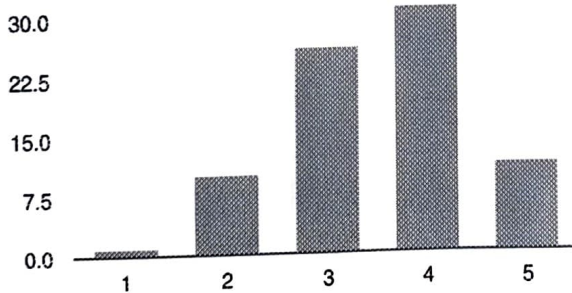
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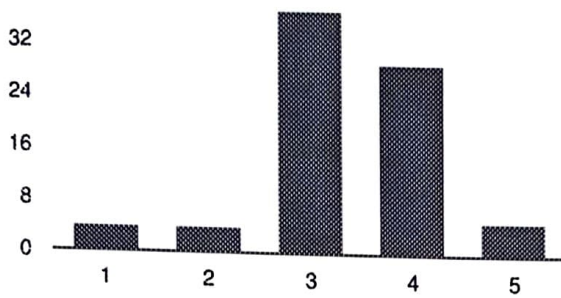
Rank your level of satisfaction with the library resources related to statistics.



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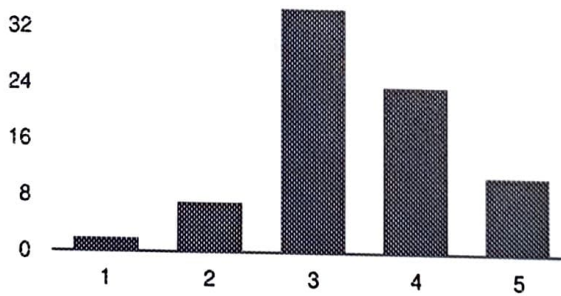
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Rank the level of effort you put into the subject.



Very low: 1	4	5.1%
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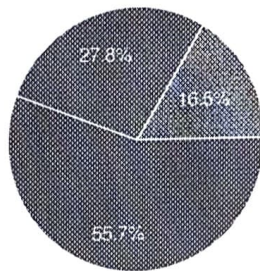


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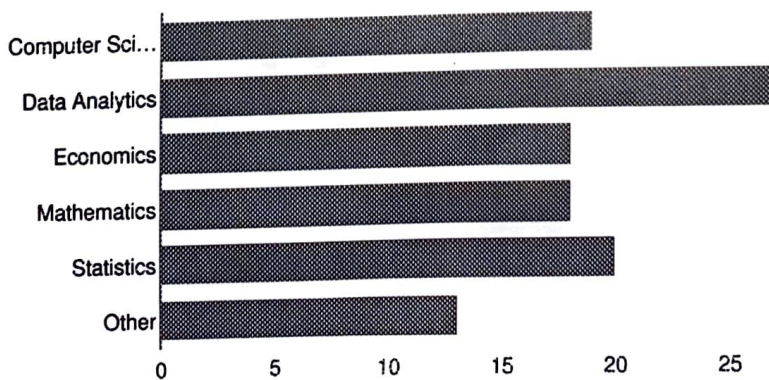
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Higher studies	44	55.7%
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Not decided	13	16.5%

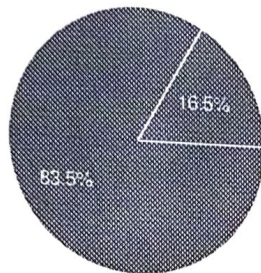
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J.M.

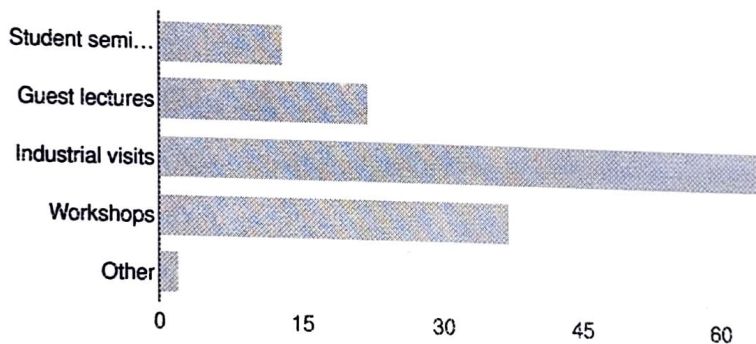
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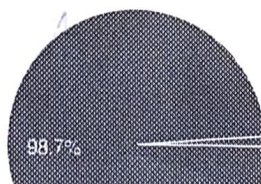
Yes	66	83.5%
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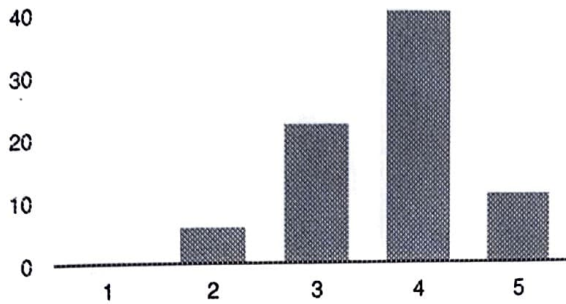
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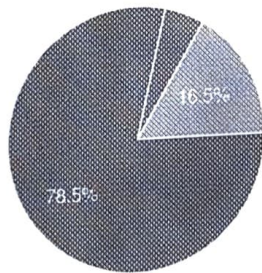
Yes	78	98.7%
No	1	1.3%

Rank your overall experience with the department of Statistics.



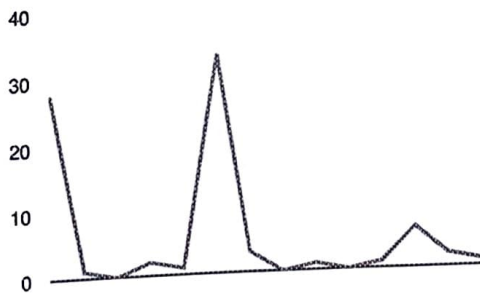
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Would you recommend this course to others?



Yes	62	78.5%
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Maybe	13	16.5%

Number of daily responses

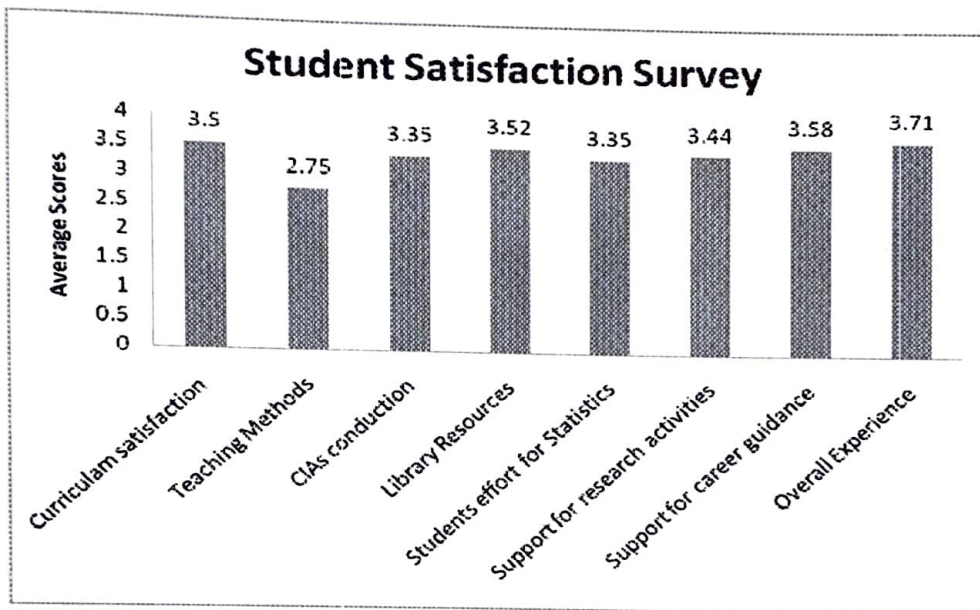


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**DEPARTMENT OF STATISTICS
ACADEMIC YEAR 2016-17**

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Mark only one oval.

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 Other: _____

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 6 EMS

3. Which is your subject of priority for having chosen this course? *

Check all that apply.

- Computer Science
 Economics
 Mathematics
 Statistics



4. Have you studied statistics in your school/PUC? *

Mark only one oval.

- Yes
 No



5. Rank the present statistics curriculum. *

Mark only one oval.

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8. Rank your level of satisfaction with the library resources related to statistics. *

Mark only one oval.

	1	2	3	4	5	
Very dissatisfied	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Very satisfied

9. Rank the level of effort you put into the subject. *

Mark only one oval.

	1	2	3	4	5	
Very low	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Very high

10. Rank your level of satisfaction with the support given for research activities from the department. *

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12. What are your plans after UG? *

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 Work
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 No

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- Yes
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Yes

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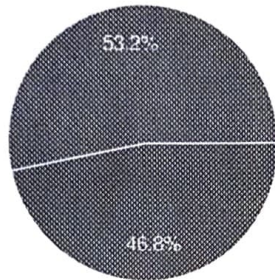
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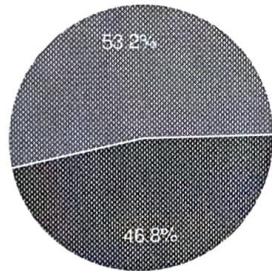
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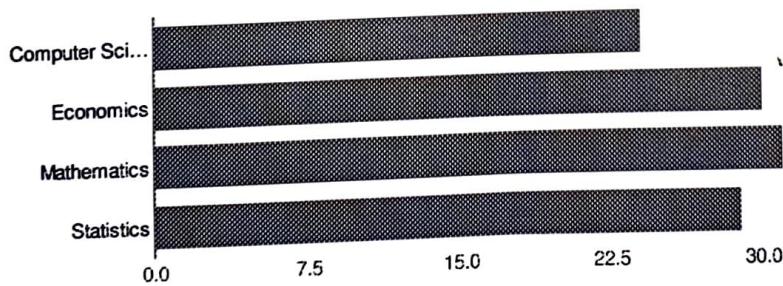
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Class



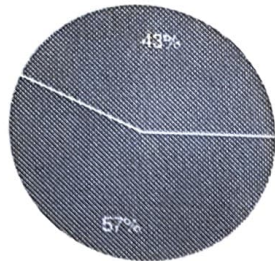
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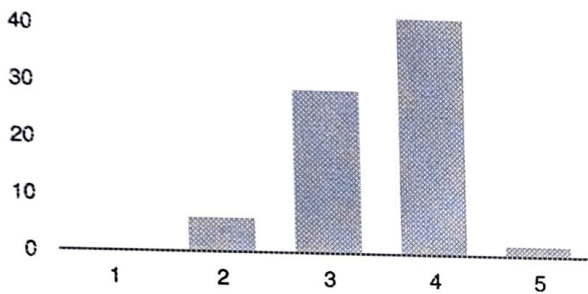
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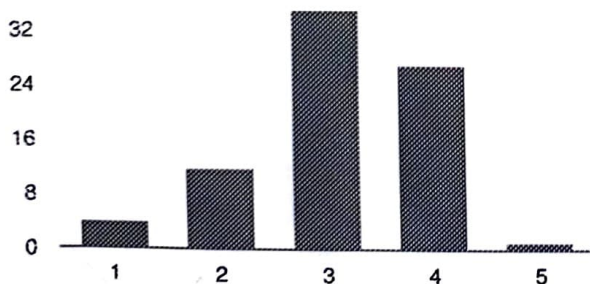
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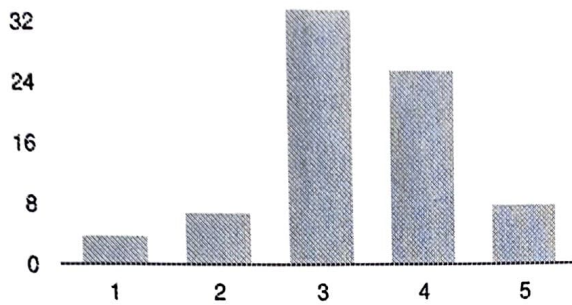
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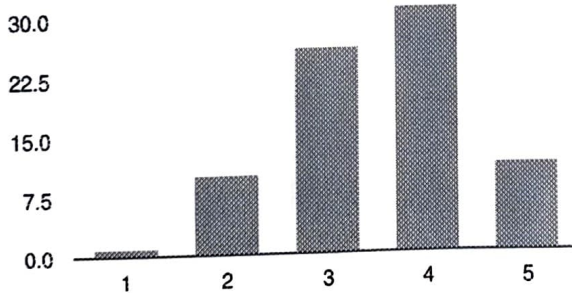
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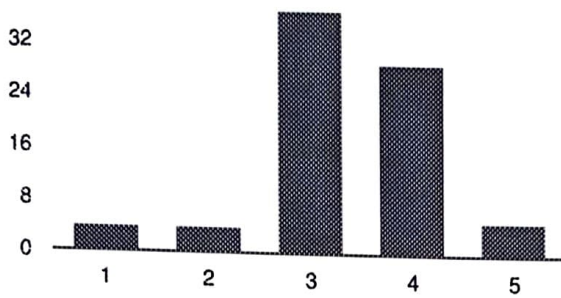
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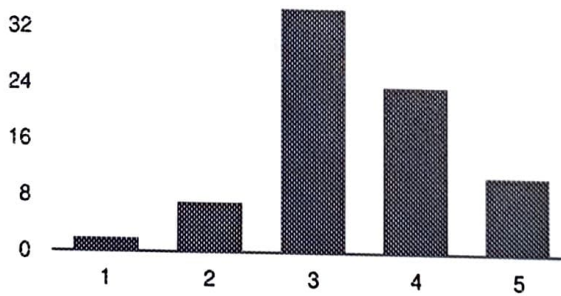
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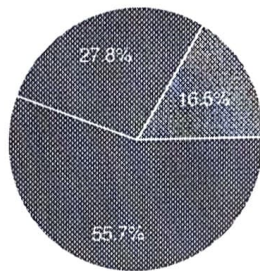


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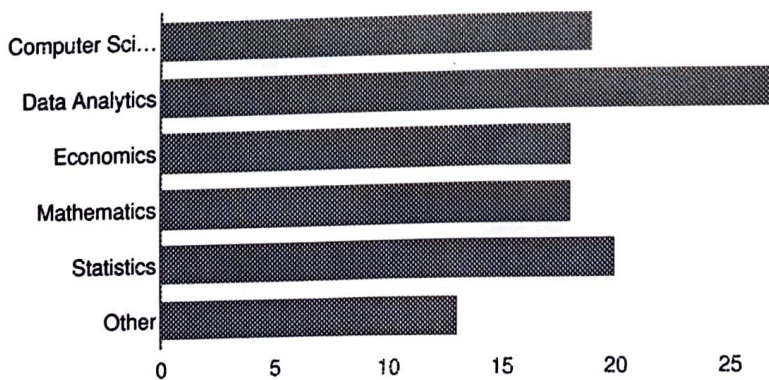
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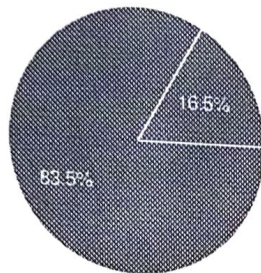
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J.M.

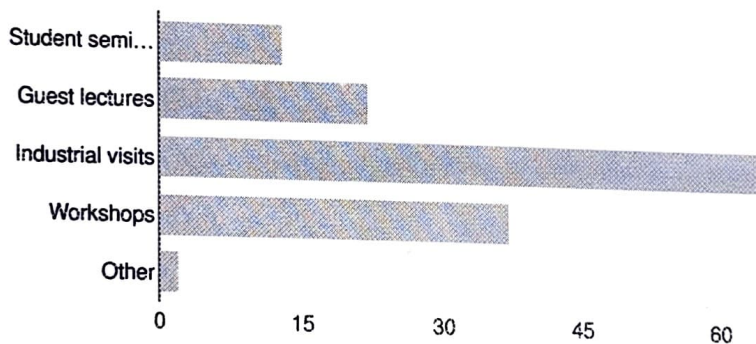
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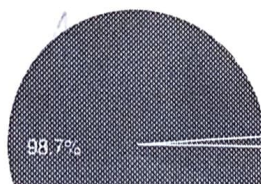
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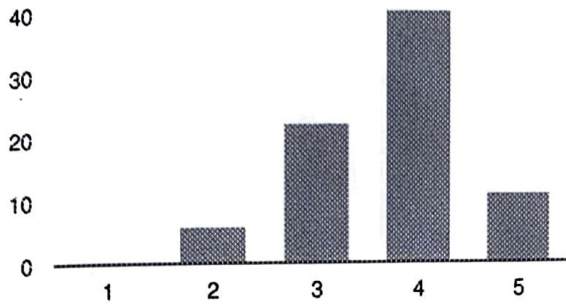
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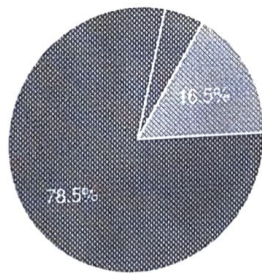
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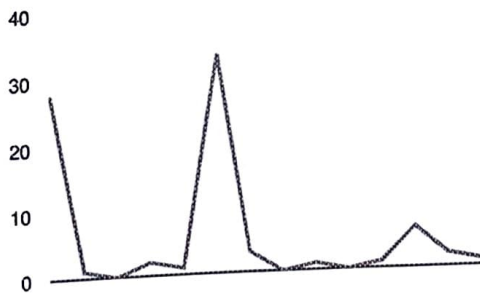
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Would you recommend this course to others?



Yes	62	78.5%
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Maybe	13	16.5%

Number of daily responses



[Handwritten signature]

Department of Statistics,
Christ University, Bangalore.

A Report on syllabus feedback from students

Reasonable sample size was taken from final year students. Sixty percent of students having good opinion on syllabus whereas 40 percent of students have satisfactory opinion. Even all students were satisfied with current syllabus; some students are expecting software based problems and 60 percent students were suggested that theory should teach before starting practical. 20 percent students are suggesting that more practical orientation required than theory, so that they can understand the usage of statistical techniques in applied areas.



Department of Statistics,
Christ University, Bangalore.

Student Evaluation Questionnaire.

1) What is your opinion on statistics syllabus?

Excellent

Good

Satisfactory

Needs to be improved

2) Are satisfied with current syllabus?

YES

NO

3) Do you think that any extra topics are to be required to include in syllabus? If yes specify.

No

4) Do you feel any topics contain learning objectives which are not relevant to the course? Please specify, providing a rationale.

No

5) Do you feel that there is a proper balance between theory and practicals within the course? Please explain.

No. Practical are held before theory session. Makes it difficult to understand sums if theory hasn't been taught.

6) Any suggestions regarding syllabus.

No



Department of Statistics,
Christ University, Bangalore.

Student Evaluation Questionnaire.

1) What is your opinion on statistics syllabus?

Excellent

Good ✓

Satisfactory

Needs to be improved

2) Are satisfied with current syllabus?

YES ✓

NO

3) Do you think that any extra topics are to be required to include in syllabus? If yes specify.

Yes, I think that some extra topics are required.
→ Usage of Statistics software.

4) Do you feel any topics contain learning objectives which are not relevant to the course? Please specify, providing a rationale.

No.

5) Do you feel that there is a proper balance between theory and practicals within the course? Please explain.

Yes, There is.

6) Any suggestions regarding syllabus.

→ we The syllabus should be more application wise

→

[Signature]

**Department of Statistics,
Christ University, Bangalore.**

Student Evaluation Questionnaire.

1) What is your opinion on statistics syllabus?

Excellen

Good

Satisfactory

Needs to be improved

2) Are satisfied with current syllabus?

YES

NO

3) Do you think that any extra topics are to be required to include in syllabus? If yes specify.

The syllabus is too theoretical, and doesn't help the students to learn the trade.

4) Do you feel any topics contain learning objectives which are not relevant to the course? Please specify, providing a rationale.

No.

5) Do you feel that there is a proper balance between theory and practicals within the course? Please explain.

Not, at all. Theory is given more importance (The Marks distribution between theory and practical papers make it obvious).

6) Any suggestions regarding syllabus.

I believe the course doesn't prepare the students for the industry. More importance is given to theory, than rather learning what the tools of statistics do. I believe, a more application oriented syllabus would be more beneficial to the students.



Department of Statistics,
Christ University, Bangalore.

Student Evaluation Questionnaire.

1) What is your opinion on statistics syllabus?

Excellen

Good ✓

Satisfactory

Needs to be improved

2) Are satisfied with current syllabus?

YES

NO ✓

3) Do you think that any extra topics are to be required to include in syllabus? If yes specify.

Yes. Application of the subject. Component for competitive exam preparation (Actuaries).

4) Do you feel any topics contain learning objectives which are not relevant to the course? Please specify, providing a rationale.

No

5) Do you feel that there is a proper balance between theory and practicals within the course? Please explain.

No. → Practical ~~are~~ ^{should} be more help be done after ~~teaching~~ ^{teaching} its theory part. too.
→ would be better if it goes to application level.

6) Any suggestions regarding syllabus.

→ Include applications ~~more~~ ^{more} topics also.

[Signature]



SMITHA JOSEPH STATISTICS <smitha.joseph@christuniversity.in>

Talk by alumni

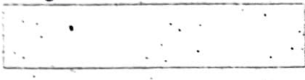
Sahana Prasad <sahana.prasad@christuniversity.in>
To: rsmurarka@gmail.com
Bcc: smitha.joseph@christuniversity.in

Wed, Jun 11, 2014 at 2:17 PM

Dear Ravi

I thank you for addressing our students on 09.06.2014 on your experiences with the Department of Statistics and sharing your knowledge after completing masters in London School of Economics.

Warm Regards
Sahana Prasad
Associate Professor
Department of Statistics
Christ University
Bangalore

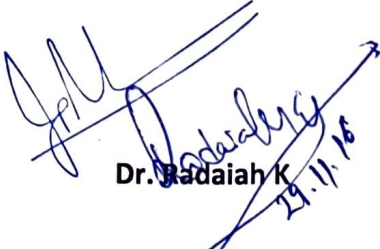


Dr. Radaiah K
Lead Analyst, Quotient Solution, Bangalore.
E-mail: radhaiah.k@gmail.com
Contact No: 09601264459

FEEDBACK ON CURRICULUM

S.No	Course Code	Title	Suggestions
1	STA131	Descriptive Statistics and Probability Theory	<ul style="list-style-type: none"> Unit I name can be changed from Basic Concepts to Introduction to Statistics
2	STA331	Statistical Inference	<ul style="list-style-type: none"> Are we covering all the large sample tests here, like test for single mean, test for difference of means, etc., May be we need to introduce one tail and two tail tests
3	STA431	Sample Surveys and Design of Experiments	<ul style="list-style-type: none"> Before introducing ANOVA we need to introduce Exact sampling distributions like T,F and Chi-Square and their approximation to Normal distribution We also need to introduce small sample tests like test for single mean, test for variance etc., as these widely used real time M.N. Das & N.C. Giri, (1979), Design and analysis of experiments, Wiley Eastern, is a good book to refer.
	STA532	Linear Regression Models	<ul style="list-style-type: none"> Advanced Data Analysis from an Elementary Point of View Cosma RohillaShalizi - This book has regression with R coding Johnston, J. (1988), "Econometric Methods" – Third edition, Mc Graw hill.
	STA632	Applied Statistics	<ul style="list-style-type: none"> Unit-II: Demographic Methods can be named as Vital Statistics S.C. Gupta and V.K. Kapoor, Fundamentals of Applied Statistics, 4th Ed., Sultan Chand and Sons, 2008 - Is a good book to refer for SQC and DE

Note: The theory of attributes is one thing which is missing in the syllabus, we can add this as most of the real time problems deals with character or attribute data.


 Dr. Radaiah K
 29.11.18

FEEDBACK ANALYSIS REPORT-2016
DEPARTMENT OF INTERNATIONAL STUDIES, POLITICAL SCIENCE AND HISTORY

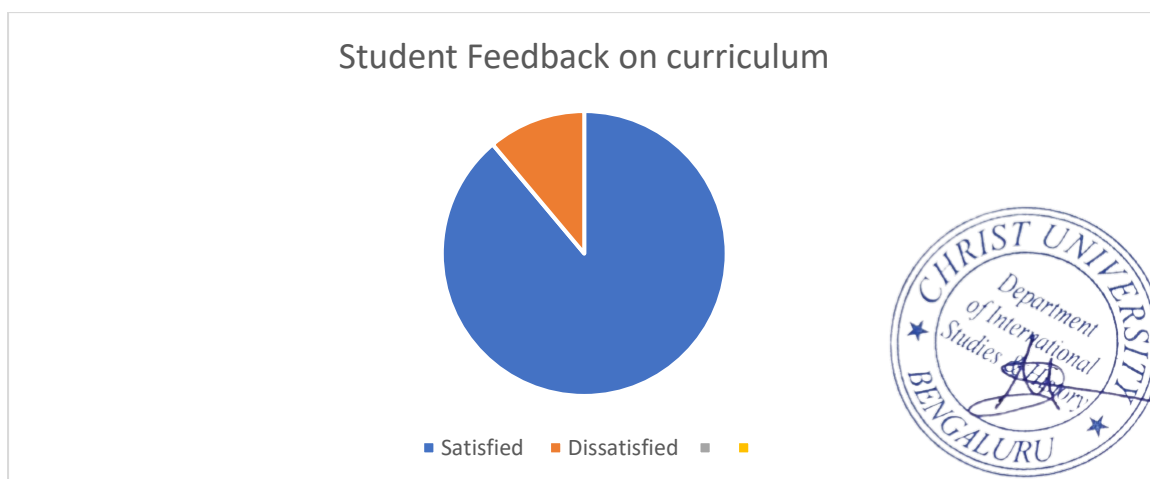
1. Introduction

Department of International Studies, Political Science and History has emerged as a benchmark of excellence at Christ University. With quality sustenance as its focus, the department has developed the feedback mechanism commencing with obtaining feedback from the various stakeholders through a structured rating-based feedback form. The department draws feedback from students, teachers, parents, alumni and employers for continuous improvement in curriculum development and enrichment. For the year 2016, the analysis of stakeholders' feedback is presented as under:

2. Major suggestions by stakeholders

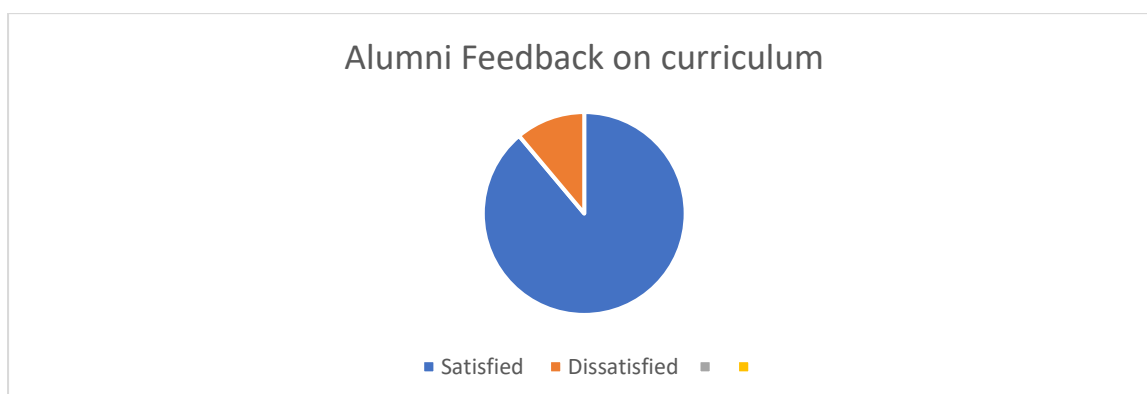
Feedback from students

No of students	Satisfied with the curriculum	Dissatisfied with the curriculum
175	150	25



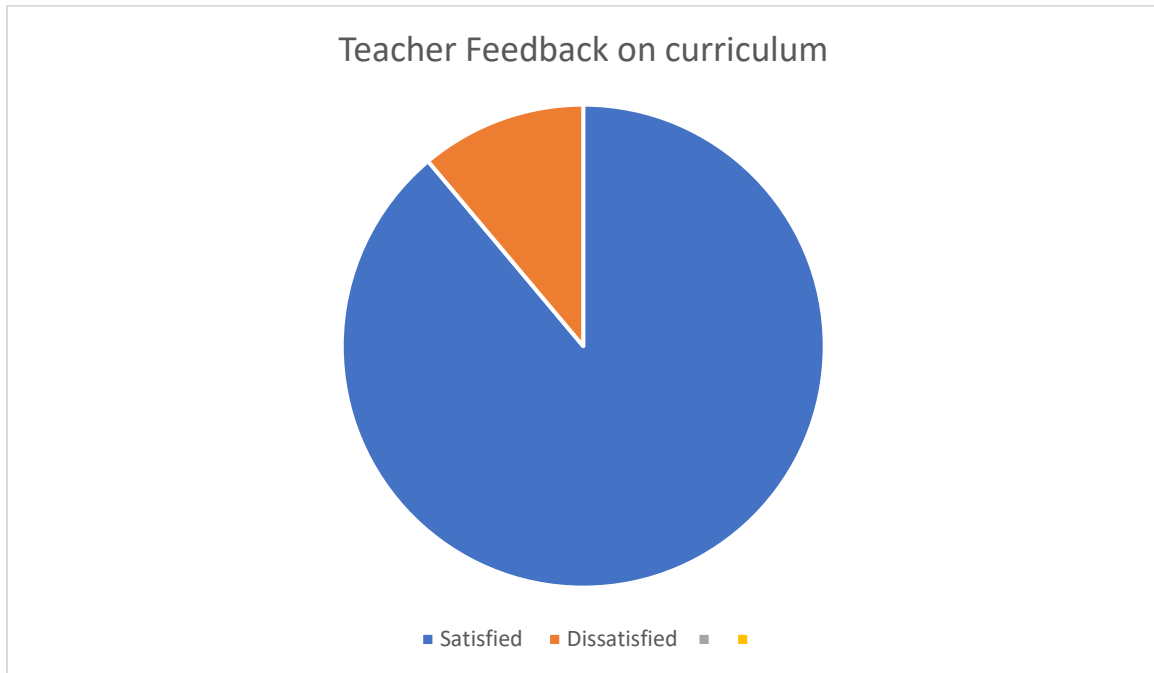
Feedback from Alumni

No of Alumni	Satisfied with the curriculum	Dissatisfied with the curriculum
150	135	15



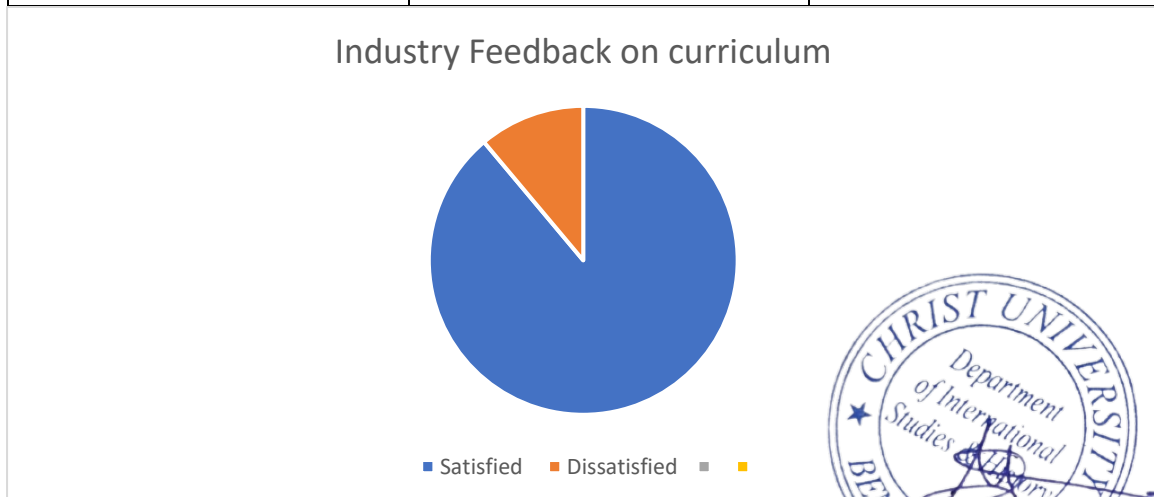
Feedback from Teachers

No of Teachers	Satisfied with the curriculum	Dissatisfied with the curriculum
10	8	2



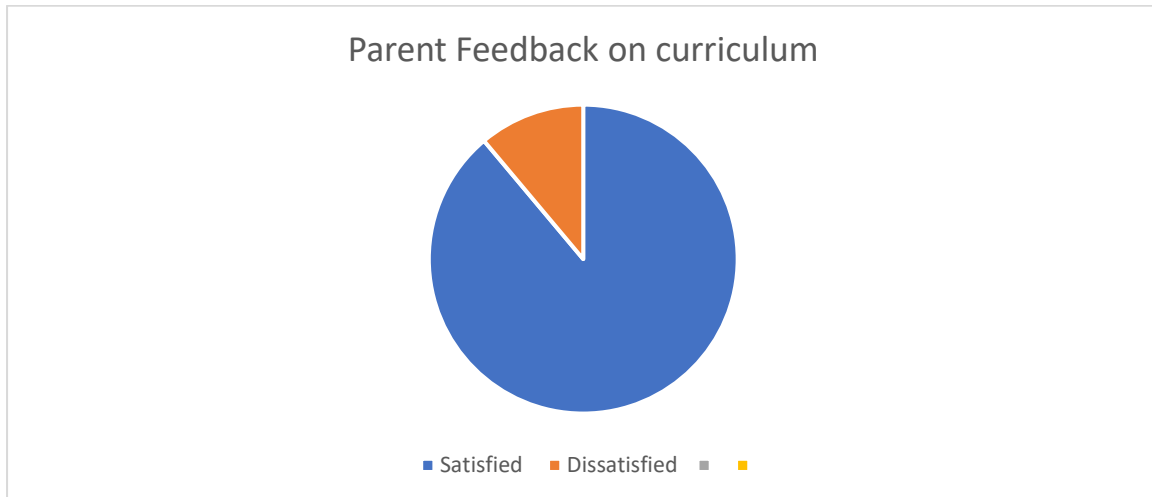
Feedback from Industry

Number of employers	Satisfied with the curriculum	Dissatisfied with the curriculum
10	8	2



Feedback from Parents

No of parents	Satisfied with the curriculum	Dissatisfied with the curriculum
60	50	10



3. Action Taken

Structured feedback received from Students, Teachers, Employers, Alumni and Parents for the curriculum were analysed and it was observed that 80% of the stakeholders were satisfied with the syllabus. Based on the recommendations and comments, syllabus of various courses offered by the department are updated focusing upon the knowledge growth and skill enhancement. Modifications were made in the post graduate syllabus in order to reduce the content on USA, Russia and China. The portion on Brazil was modified as per the feedback from the students. Overlap was detected and solved in the syllabus of African studies. It was also decided to introduce medieval Indian architecture in the history course offered in undergraduate level.



BOS Supplementary Annexure SD1

Supporting BOS document - Board of Studies Meeting, Department of Life Sciences on 17/2/2016

As per the suggestions of various stakeholders, especially the students, parents and alumni based on the feedback analysis, the Department of Life Sciences has discussed the possibilities of introducing skill enhancement courses, non-core electives and open elective courses. Another major suggestion received from feedback of parents and students was to start post-graduation courses in the Department which is critically reviewed and a decision regarding the same will be taken in the upcoming academic year as per the Academic Council and norms of the University.

**Supporting BOS document - Board of Studies Meeting,
Department of Life Sciences on 25/1/2017**

As per the suggestions of various stakeholders, especially the students, parents and alumni based on the feedback analysis, the Department of Life Sciences has discussed the possibilities of starting post graduate programmes in branches of Life Sciences. The Curriculum Development Cell of the department had many meetings and discussed various courses offered by reputed foreign and Indian universities. The committee deliberated on the suggestions of the stakeholders. Since MSc Zoology programme was not being offered by many colleges in Bangalore the CDC felt that the demand for the same would be high too. The CDC has proposed the syllabi for three post graduate programmes *viz.* MSc Botany, MSc Zoology and MSc Biotechnology keeping in view these suggestions. The syllabi for the 3 mentioned programmes were approved by the Board subject to the approval by the Academic Council.

BOS Supplementary Annexure SD1

Supporting BOS document - Board of Studies Meeting, Department of Life Sciences on 31/1/2018

As per the suggestions of various stakeholders, especially the students, parents and alumni based on the feedback analysis, the Department of Life Sciences has discussed the possibilities of starting MPhil and PhD programmes in branches of Life Sciences. The Curriculum Development Cell of the department had many meetings and discussed various such programmes offered by reputed International and Indian universities. The committee deliberated on the suggestions of the stakeholders. Since, Department of Life Sciences had state of the art research infrastructure and proven research track record, CDC felt to the importance of introduction of research programmes to further strengthen research culture of the Department. The CDC proposed these new research programmes (MPhil and PhD) keeping in view of these suggestions. The mentioned programmes in three disciplines (Botany, Zoology and Biotechnology) were approved by the Board subject to the approval by the Academic Council.

BOS Supplementary Annexure SD1

Supporting BOS document - Board of Studies Meeting, Department of Life Sciences on 1/2/2019

Based on the feedback analysis from the previous academic year from the stakeholders there was a suggestion to include new open elective courses and giving more choices to students. Curriculum Development cell of Department of Life Sciences met several times and finally, proposed two new open elective papers 'NGC-Based Applied Genomics' and 'Introduction to Ayurveda'. These electives can cater the need of skill enhancement of the students, based on the current industrial requirement. The BOS approved the syllabus for the academic year subject to approval by the Academic Council.

BOS Supplementary Annexure SD1

Supporting BOS document - Board of Studies Meeting, Department of Life Sciences on 7/2/2020

As per the suggestions of various stakeholders, especially the students, parents and alumni based on the feedback analysis, the Department of Life Sciences has discussed the possibilities of starting new professional post graduate programme in the branch of Life Science. The Curriculum Development Cell of the department had many meetings and discussed various courses offered by reputed International and Indian universities. As per the suggestions of various stakeholders, especially the students, industry, parents and alumni based on the feedback analysis, the department of Life Sciences had discussed the possibilities of introduce new career-oriented paper for MSc Biotechnology programme. The Curriculum Development Cell of the department had many meetings and discussed the scope of various subjects which were directly relevant to the Biotechnology industry. The committee deliberated on the suggestions of the stakeholders. Considering the importance of the Quality Assurance as a subject in Biopharmaceutical industry, CDC proposed syllabus of Biopharmaceutical Quality Assurance as the new paper for the 4th Semester MSc Biotechnology in the BOS. The syllabus of the above mentioned paper approved by the Board subject to the approval by the Academic Council.

BOS Supplementary Annexure SD1

2021-22

The committee deliberated on the suggestions of the stakeholders. Since MSc Forensic Science programme was offered by handful institutions in Karnataka rather in India, the CDC felt that the demand for the same would be high too. The CDC proposed the syllabus for the post graduate programmes viz MSc Forensic Science keeping in view these suggestions. The syllabus for the mentioned programme was approved by the Board subject to the approval by the Academic council.