

## Action Taken Report

Programme: B.Sc Statistics

Year of Revision: 2016

### Alumni

- Some basic computer skills like working on spreadsheets needs to be improved.
- Courses which can help students to pursue higher studies in core statistics may be introduced.

### Parents

- Help the students who are coming from economically and socially backward families.
- Help students attain higher studies in Institutions abroad.

### Faculty

- Improve the required mathematical skills of UG students.
- Students may be given more exposure to statistical packages.

### Industrial Experts

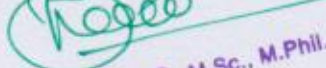
- Students should expand their knowledge domain to cover applications of statistics in various fields like Pharmaceutical, medical science, industrial quality control.

### Employers

- Students' skills in logical thinking and programming needs to be improved.

### Action Taken

- Paper titled "Data analysis using MS Excel" has been introduced at the second year B.Sc level.
- A paper on Applied Stochastic Process and Bio-Statistics and Survival Analysis have been introduced in the 5<sup>th</sup> and 6<sup>th</sup> semesters have been introduced respectively.
- Special classes and individual guidance arranged for the academically and economically weaker students.
- Students are encouraged and are also provided extra coaching to crack the competitive entrance examinations.
- Two mathematics papers introduced Allied Required in first and second semesters.
- Ms Excel is strengthened and R programming is introduced as full fledged paper in the 6<sup>th</sup> semester.
- Students are exposed to real life applications in fields like Pharmaceutical research, medical science and Quality Control etc. through special lectures, case studies and survey.

  
Dr. S. THOBIAS, M.Sc., M.Phil., Ph.D.,  
HEAD  
DEPARTMENT OF STATISTICS  
LOYOLA COLLEGE, CHENNAI-600 034.

## Action Taken Report

Programme: M.Sc Statistics

Year of Revision: 2016

### Alumni

- Offer latest programming languages that is more useful in the career
- More of application oriented mini projects can be brought into the second component

### Parents

- Help the students who are coming from economically and socially backward families
- Help students attain higher studies in Institutions abroad.

### Faculty

- Create a concrete list of statistics lab exercises, aligning with the theory papers of the respective semesters.
- In the ID category, remove Mathematical Finance Models and replace it with some mathematical and statistical package.

### Industrial Experts


- Students ability to interpret results and write reports need to be improved

### Employers

- Students should have a broad based focus on their career and need not concentrate only in Business Analytics.

### Action Taken

- Started offering SAS in first semester.
- Introduced mini project in second component in every semester.
- Special classes and individual guidance arranged for the academically and economically weaker students.
- Students are encouraged and are also provided extra coaching to crack the competitive entrance examinations.
- A concrete list of statistics lab exercises, aligning with the theory papers of the respective semesters was created.
- Matlab and Python introduced as ID paper replacing Mathematical Finance Models.
- All the practical oriented mini projects have a component wherein students are encouraged to interpret the results and communicate it in written and oral form. Viva conducted for the mini projects at the end of the semester.
- Papers like experimental design, Bio-Statistics have been strengthened so that students can take up careers in the Pharmaceutical and manufacturing industries along with the IT and analytics sector.

  
Dr. S. THOBIAS, M.Sc., M.Phil., Ph.D.,  
HEAD  
DEPARTMENT OF STATISTICS  
LOYOLA COLLEGE, CHENNAI- 600 034.