



Shri Vile Parle Kelavani Mandal's
MITHIBAI COLLEGE OF ARTS, CHAUHAN INSTITUTE OF SCIENCE &
AMRUTBEN JIVANLAL COLLEGE OF COMMERCE AND ECONOMICS
(AUTONOMOUS)

*NAAC Reaccredited 'A' grade, CGPA: 3.57 (February 2016),
Granted under RUSA, FIST-DST & -Star College Scheme of DBT, Government of India,
Best College (2016-17), University of Mumbai*



Affiliated to the

UNIVERSITY OF MUMBAI

DEPARTMENT OF STATISTICS

Program : *B.Sc. (Honours)*

(APPLIED STATISTICS AND DATA ANALYTICS)

ACADEMIC YEAR 2021-22

SVKM's Mithibai College of Arts, Chauhan Institute of Science & Amrutben Jivanlal College of Commerce and Economics (Autonomous) is envisaged as the destination for the most promising and talented students, since its inception in the year 1961. The college has 21 departments, 15 of which are offering postgraduate programs and of these 9 are offering Ph.D. programs.

During the academic year 2017-18, the college was awarded, the Best College Award of University of Mumbai.

The college was honored with Govt. of India, DST-FIST & DBT Star College status.

The college was conferred Grade 1 Autonomy from the academic year 2018-19, for a period of 10 years without onsite visit by an expert committee, by the UGC.

RUSA has bestowed the college with a grant of Rs. 5 crores, for Enhancing Quality and Excellence in select Autonomous Colleges. In the last three years, the college has received grants from government bodies such as DBT, DST, UGC, RUSA and University of Mumbai.

B.Sc. (Honours) Program in *Applied Statistics and Data Analytics* is a three year course. It will prepare a learner to become proficient in Applied Statistics along with required concepts of Mathematics along with, of course, the application of open software like R, Python and Excel.

The curriculum covers all the topics that are required to learn the essentials of data analytics at the under graduate level.

The syllabus is framed in such a way that the candidates will be competent enough to take up further studies or if they wish, take up a lucrative job after completion of the course.

The Program offers comprehensive teaching in the theory, methods and application of Statistics, Mathematics and Computer Programming and Applications. Obviously, there will be computer-intensive classes to understand the analysis and interpretation of data.

During the last semester the learners will have to put the knowledge gained by them to work and complete a live project.

Some of the available Career Options:

- Data Scientist
- Data Analyst
- Marketing Analyst
- Business Analyst
- Marketing Research Manager
- Econometrician
- Biostatistician
- Clinical Informatics
- Health Research Analyst
- Statistical Scientist
- Risk Analyst
- Financial Analyst
- Quantitative Analyst
- Actuarial
- Financial Crimes Analyst
- Sports Statistician
- Statistical Programmer
- Education

For more information visit :

<https://hbr.org/2012/10/data-scientist-the-sexiest-job-of-the-21st-century>

Program Highlights:

On due completion of the course the learner will be expected to

- Have gained knowledge of basic and advanced concepts of Statistics, Mathematics and Computer Applications.
- Have understood the abstract concepts that lead to various advanced theories in Mathematics and Statistics w.r.t. Data Analytics.
- Get answers for Complex Statistical Problem w.r.t Data analytics.
- Model and solve problems using the methods taught to them.
- Know the role played by Statistics and apply it to real life problems in various fields.
- Develop various communication skills such as reading, writing, listening, and speaking which will help in expressing ideas and views effectively.
- Know the importance of Environment preservation towards sustainable development.
- Engage themselves in life-long learning.

Eligibility:

♦ A candidate for being eligible for admission must have passed the Higher Secondary School Certificate examination (Std. XII/HSC) conducted by the Maharashtra State Board of Secondary and Higher Secondary Education, Pune, in Science subjects with Mathematics as one of the subjects.

OR

♦ An equivalent examination of other state boards along with Mathematics as one of the subjects. Such students may have to apply for an eligibility certificate.

♦ Admission will be strictly on merit basis.

♦ For more details visit : www.mithibai.ac.in