

Department Profile of Statistics

**Indira Priyadarshini Government Degree College for Women,
Department of Statistics, Nampally, Hyderabad.**

About the Department:

- Welcome to the UG Department of Statistics established in 2016 by the IPGDCW, Nampally. Hyderabad.
- In 2016 MSCs(Mathematics, statistics, computer science) was introduced.
- Physics is added in 2018 and also Data science is added in the year 2020
- The Department has affiliation with Osmania University, Hyderabad.
- Now the strength of Our Department is around 150.
- The student has choice to select any three subjects out of these mathematics, computer science, physics and data science, chemistry, economics
- The ambition of the department of Statistics is to provide exciting academic learning facilities not only at UG level but also at PG level.
- Several innovative events were successfully organized. The department internally celebrated birthdays of all the members as part of the departmental activity.

Faculty details:

Sl.no	Name	Qualification	Experience
1	A.Thirupathamma	MSc(statistics)	2yr

Course outcomes:

- Departmental Programs are focused on the spectrum where brilliants are given scope and the average students are encouraged.
- Motivation is the key for the department.
- Demonstrate knowledge of probability and the standard statistical distributions.
- Demonstrate knowledge of fixed-sample and large-sample statistical properties of point and interval estimators.
- Demonstrate knowledge of the properties of parametric, semi-parametric and nonparametric testing procedures.
- Demonstrate the ability to apply linear, nonlinear and generalized linear models.
- Demonstrate understanding of how to design experiments and surveys for efficiency.
- Solve a range of problems using the techniques covered.
- To make students aware of MS-Excel for statistical computations.

Curricular Aspects:

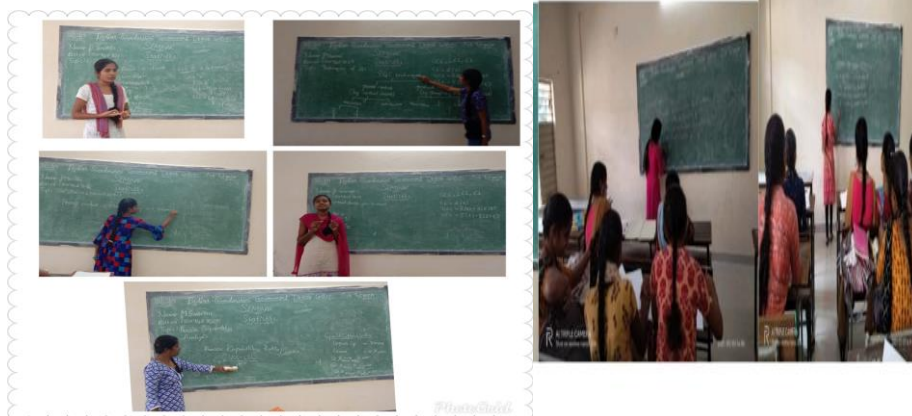
The department can offered in each semester for one theory paper and related practical paper in UG.

B.A./B.Sc. (STATISTICS)
Semester Pattern Syllabus (CBCS)
w.e.f: Academic Year: 2019-20
(With Mathematics Combination)

YEAR	SEMESTER	THEORY/ PRACTICAL	Paper Title	WORK LOAD (Hrs/ Week)	#CRE DITS	MARKS
I	FIRST	Paper-I	Descriptive Statistics and probability	4	4	100
		Practical-1	Descriptive Statistics and probability	3	1	50
	SECOND	Paper-II	Probability distributions	4	4	100
		Practical-2	Probability distributions	3	1	50
II	THIRD	SEC-1		2	2	50
		SEC-2		2	2	50
		Paper-III	Statistical Methods	4	4	100
		Practical-3	Statistical Methods	3	1	50
	FOURTH	SEC-3		2	2	50
		SEC-4		2	2	50
		Paper-IV	Statistical Inference	4	4	100
		Practical-4	Statistical Inference	3	1	50
III	FIFTH	GE	Basic Statistics	4	4	100
		Paper-V	Applied Statistics-1	4	4	100
		Practical-5	Applied Statistics-1	3	1	50
	SIXTH	Project/ Optional		4	4	100
		Paper-VI	Applied Statistics-2	4	4	100
		Practical-6	Applied Statistics-2	3	1	50

Teaching, learning and Evaluation:

1. Teachers will be followed some new techniques to teach like green board ppt , online classes and you tube channel,Seminars by students and detailed notes of all sections discussed in the class.
2. Encourage students to raise doubts in the class room.
3. The department conduct frequent class tests, internal exams,assignments.
4. The faculty prepare annual teaching plans, weekly plans and implementation will be provided in the teaching dairy on daily basis.
5. Encourage students towards higher education by providing PG entrance coaching.
6. Internal evaluation is done by the department for 20marks.
7. At the end of each semester Osmania university conducts theory and practical exams for 80 and 50 marks.
8. we are giving **certificate course** in values of life skills.



Research, consultancy, and extension Faculty :

- Instructors offer students some projects to develop recent research activities.
- Research projects explaining through charts and working models to overcome fear.
- research projects are presented in Osmania University and as well as in our college.
- Lectures provide by resource persons in each semester to create awareness about recent developments in the subject.



Infrastructure and learning recourses:

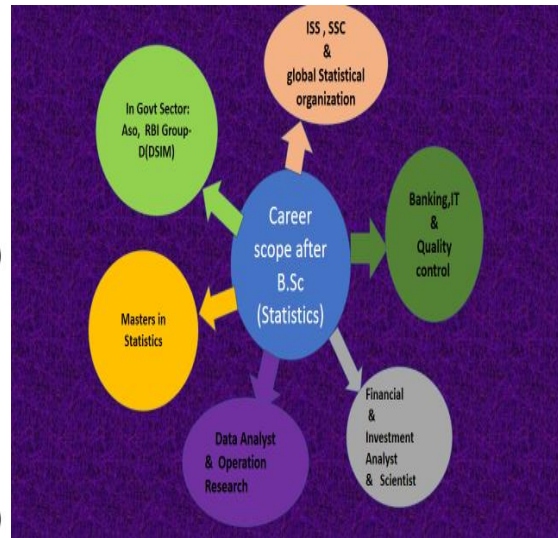
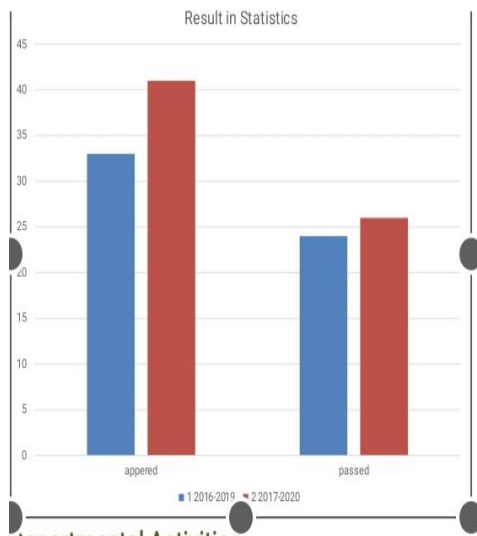
1. The department has the necessary classrooms and computer labs for students.
2. Practical exam will be conducted in computer system so we have sufficient computers.
3. The department follow Classroom exercises, computer applications, and Internet resources designed to promote active learning.
4. The text book and materials available in our college library and Additional material online at digital library.

Student support and Progression:

- The department conducts remedial coaching for improving the understanding levels of slow learners.
- Each faculty observes the mentor-mentee procedure to guide the students in career.

MENTORMENTEEDUTIES:-

- Attendance/ regularity of students to be monitored.
- Student profile register.
- Student progression register (with Internal, Assignment Marks).
- Personal counselling sessions (confidentiality to be maintained).
- Whatsapp Group.
- Give time to time information to the students and maintain the proof of information given.
- Guide the students to participate in various activities (Academic, Curricular, curricular).
- I year students must be made aware of CBCS system (I year mentors).
- To educate the students about the resources and student services at the college and also under the Umbrella of CCE.
- Information regarding shortage of attendance to be sent to the parent through SMS.
- Career Guidance, inculcate good interpersonal and communication skills along with leadership potential.



Students Achievements



Governance, leadership and management:

- Any guidance from CCE will be strictly followed by the department, like digital dairy, e- office and online classes etc.. and runs time to time.
- The department attend meetings conducted by the principal to follow their valuable leadership and also submit annual curricular plan, teaching plan and teaching diaries time to time.
- The department in charge takes care of our departmental affairs like meeting , activities and exams.

Innovative and Best practices:

1. Encouraging to participate national level seminars,webinars and workshops.
2. Celebrating important days like statisticsday,National scienceday, women's day youthday etc....
3. To create awareness of fields trips and their purpose.
4. Encouraging to wards higher education by providing PG entrance.
5. Awareness about competitions(Quiz,groupdiscussion,rangoli...)

