



GOVT COLLEGE (A) : : RAJAHMUNDRY
NAAC Re-accredited with 'A⁺' Grade at 3.38 CGPA
DEPARTMENT OF STATISTICS

STUDENT INDUCTION PROGRAMME

DEPARTMENT OF STATISTICS

I B.Sc. STATISTICS

2024-2025

Introduction:

Course Overview

This bridge course is designed to provide students with the necessary mathematical background and introductory statistical concepts to successfully transition into more advanced statistical coursework. The course will cover fundamental topics in mathematics, data analysis, and basic statistical methods.

Course Objectives

- Develop proficiency in basic mathematical concepts relevant to statistics.
- Understand and apply fundamental statistical concepts and techniques.
- Prepare students for more advanced study in statistics or related fields.

Course Structure

- **Duration:** 1-2 weeks
- **Format:** Lectures, tutorials, and practical exercises
- **Assessment:** Quizzes, assignments, and final exam

Week 1: Introduction to Statistics and Mathematical Review

- **Overview of Statistics:** Definitions, importance, and applications
- **Basic Mathematics Review:** Algebra, functions
- **Data Collection Methods and Data Types :** Surveys, experiments, and observational studies

Week 2: Descriptive Statistics and Probability

- **Measures of Central Tendency:** Mean, median, mode
- **Measures of Dispersion:** Range, variance, standard deviation
- **Data Visualization:** Histograms, bar charts, pie charts
- **Introduction to Probability:** Definitions, rules, and Probability distribution

Assessment

- **Quizzes:** Short quizzes at the end of each week to test understanding of key concepts
- **Assignments:** Weekly assignments involving problem-solving and data analysis
- **Final Exam:** Comprehensive exam covering all course material

Recommended Resources

- **Textbooks:**
 - *Fundamental of Mathematical Statistics* Gupta and VK Kapoor by S Chand Publications
 - *Elementary Statistics by Gupta*

STUDENT INDUCTION PROGRAMME - SCHEDULE					
S.No	Date	1st Hour	2nd Hour	3rd Hour	No of Students
1	12-08-2024	Certificate Verification	Certificate Verification	Basic Data collection	22
2	13-08-2024	Data Collection	Department tour	College virtual tour	20
3	14-08-2024	Department webpage	Resources available on dept. page	Online Resources familiarization	25
4	15-08-2024	Independence day celebrations	Independence day celebrations	Independence day celebrations	28
5	17-08-2024	Library Tour	Introduction to bridge course	Pre CAT Core Assessment Test	30
6	19-08-2024	Orientation Session About Department			32
7	20-08-2024	Human values and Professional Ethics	Introduction to Bridge course	Bridge Course-1	35
8	21-08-2024	Course Structure	CIE structure	Bridge Course-2	35
9	22-08-2024	Support Services NCC, NSS, YRC, RRC	Support Services NCC, NSS, YRC, RRC visit	Bridge Course -3	40
10	23-08-2024	Opportunities for Statistics in Corporate Sector	Opportunities for Statistics in Government Sector	Bridge Course-4	40
11	24-08-2024	Community Service Project	Internship	Bridge Course-5	42
12	27-08-2024	New Education Policy-2020	Guest Lecture By Computer Science Department Faculty	Bridge Course -6	42
13	28-07-2024	Sports and games facilities	Sports tour	Bridge Course -7	43
14	29-08-2024	Familiarisation of ICT Tools	Familiarisation of ICT Tools	Bridge Course -8	43
15	30-08-2024	Google E-Class Room	Online Platform Courses Swayam, Edx etc	Gamification of Evaluation	44
16	31-08-2024	Closure remarks		Post CAT Core Assessment Test	44

About SIP 2024-2025:

- **Total number of students were admitted (as per first phase counseling)-53**
- **Total number of students were admitted (as per Second phase counseling)-66**
- **Total number of students attended all the classes -35(approximately)**
- **Total number of faculty assigned to classes:4**
- **Total number of Days classes are taken:15**



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DEPARTMENT OF STATISTICS

Pre CAT (Core Assessment Test) 2024-2025

Questionnaire

SECTION-A



Name:

Contact No:

DOB:

Email id:

Location:

SSC Marks:

INTERMEDIATE GROUP WITH MARKS:

Medium of Education:(EM/TM)

PARENT NAME:

PARENT Contact No:

Parent Occupation:

GOAL OF STUDENT:

SECTION-I

ANSWER ALL OF THE FOLLOWING QUESTIONS:

1. Have you ever heard about Statistics?
a) YES B) NO
2. Which of the following describe the middle part of a group of numbers?
A) Measure of Variability B) central Tendency C) Measures of Shape D) Measures of Association
3. The middle value of an ordered array of numbers is
A) Mode B)Mean C) Median D)Midpoint
4. Which of the following measures comes under Dispersion?
A) Range B) Quartile Deviation C) Mean Deviation D) Standard Deviation
5. A constant variable can take values
A) Zero B) Fixed C) Not fixed D) nothing

SECTION-II

ANSWER ALL OF THE QUESTIONS:

6. What is the mean , median and mode for the given data 5,6,6,2,3,5,7,4,7

7. Find Range for the given data 1, 2,7,8,15,8,24,5,35

8. What is the probability when we toss a single coin for getting head?

9. Write any four applications of Statistics in daily life?

10. Name any Distributions you have studied in probability?

THANK YOU

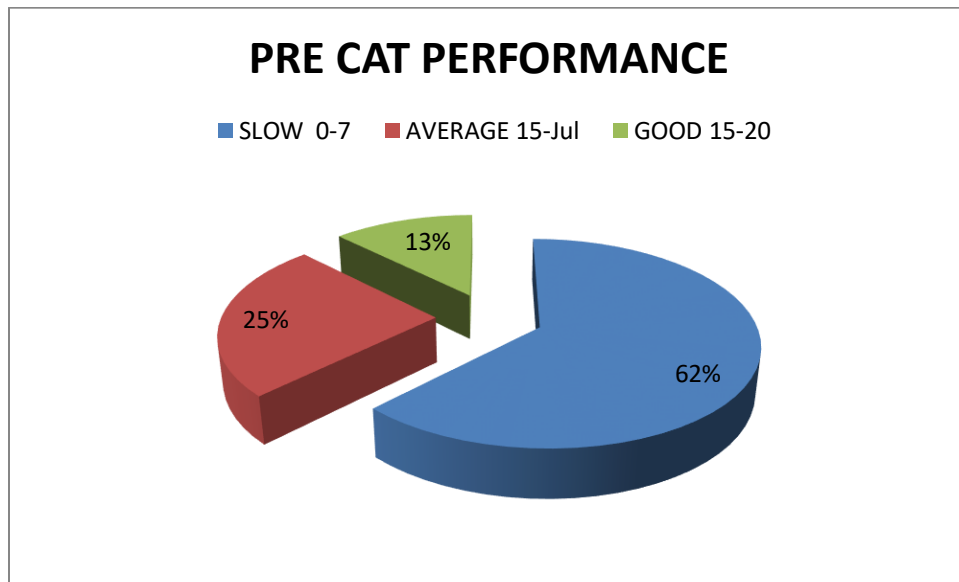
PRE CAT 2024-2025 ANALYSIS:

(Analysis Based on Pre CAT exam)

- **TOTAL STUDENTS ADMITTED (FOR BSC Stat (Hons):** **62**
- **No.of Students attended exam :40**

QUESTIONNAIRE MARKS ANALYSIS:-

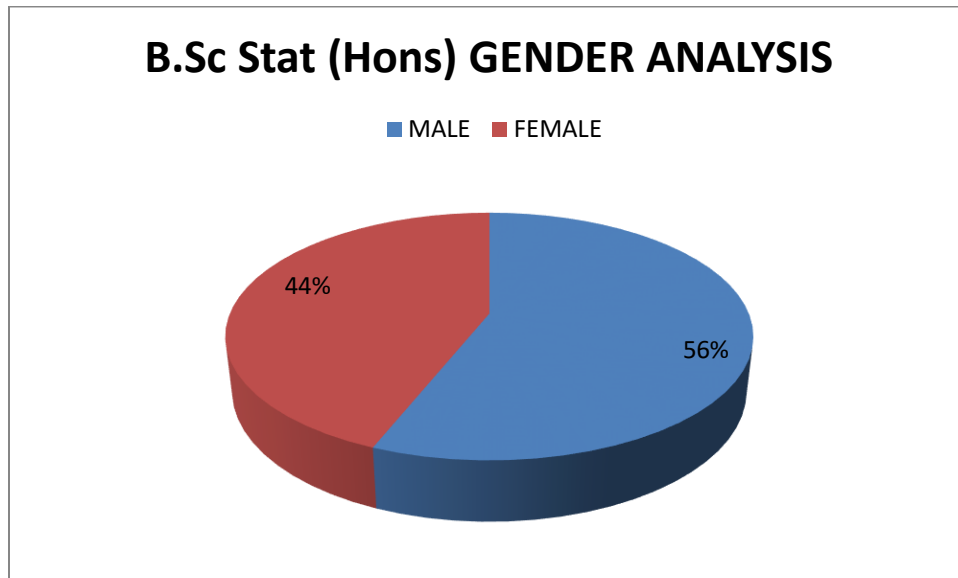
CATEGORY	MARKS	No. Of students
SLOW	0-7	25
AVERAGE	7-15	10
GOOD	15-20	5



GENDER ANALYSIS:

✓ **TOTAL STUDENTS ADMITTED:** 66(after phase 2)

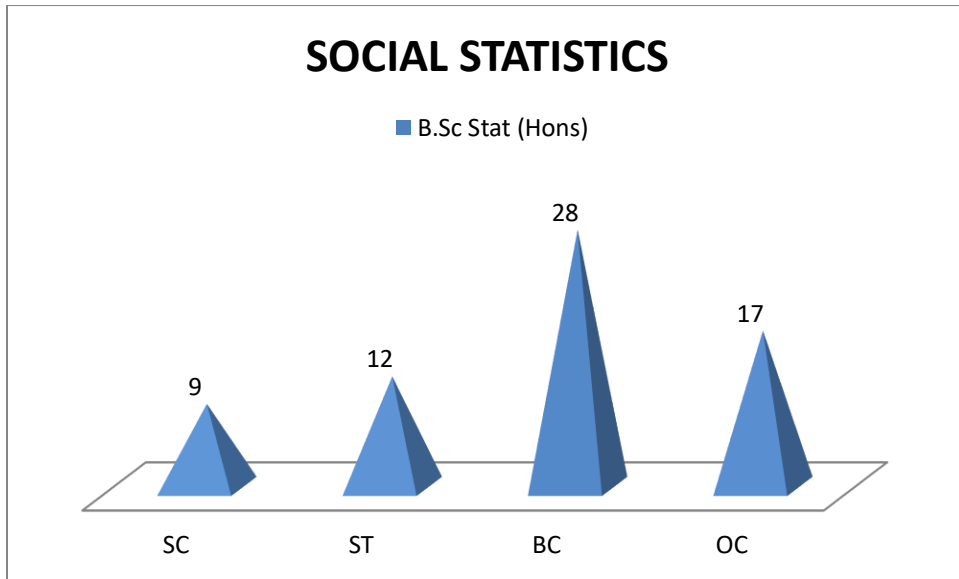
GROUP	MALE	FEMALE	TOTAL
B.Sc Stat (Hons)	37	29	66



SOCIAL ANALYSIS:

✓ **TOTAL STUDENTS ADMITTED:** 66(after phase 2)

GROUP	SC	ST	BC	OC
B.Sc Stat (Hons)	9	12	28	17



SIP GALLERY 2024:-













Department Faculty interaction with Students



