



SARDAR PATEL UNIVERSITY

Vallabh Vidyanagar

NAAC 'A' Grade (10-01-2023 To 09-01-2028)

NEP-2020 aligned Curriculum with effect from Academic Year 2026-27

Master of Science Statistics

Semester-I

| Course Type | Course Code | Course Title | Teaching-Learning Scheme | | Credits/ hour/ week | Assessment Scheme & Marks | | | | |
|------------------|--------------|---|--------------------------|----------------------|---------------------------|---------------------------|----|------------|---------------------|-------------|
| | | | L-P-T | Total Notional Hours | | Internal Assessment | | | External Assessment | Total Marks |
| | | | | | | FA | SA | Total | | |
| DSC | P2S01NCSTA01 | Statistical Inference - I | 4-0-0 | 120 | 4/4 | 25 | 25 | 50 | 50 | 100 |
| DSE (Any One) | P2S01NESTA01 | Matrix and Linear Models Theory | 4-0-0 | 120 | 4/4 | 25 | 25 | 50 | 50 | 100 |
| | P2S01NESTA02 | Matrix and Operations Research | | | | | | 50 | | |
| DSE (Any One) | P2S01NESTA03 | Probability and Distribution Theory | 4-0-0 | 120 | 4/4 | 25 | 25 | 50 | 50 | 100 |
| | P2S01NESTA04 | Official Statistics | | | | | | 50 | | |
| DSC | P2S01NCSTA02 | Practical (LMR, Fitting of Distributions) through R | 0-4-0 | 120 | 4/8 | 25 | 25 | 50 | 50 | 100 |
| DSC | P2S01NCSTA03 | Practical (TH, OR, OFS) through Excel | 0-4-0 | 120 | 4/8 | 25 | 25 | 50 | 50 | 100 |
| DSC | P2S01NCSTA04 | Management Tools for Industry Mapping | 1-1-0 | 60 | 2/3 | 20 | 30 | 50 | - | 50 |
| | | | | 660 | 22 | | | 275 | | 550 |

DSC: Discipline Specific Core **DSE:** Discipline Specific Elective **L:** Lecture **P:** Practical **T:** Tutorial

FA: Formative Assessment **SA:** Summative Assessment