1. **Syllabus Details (Semester Wise) :**

COURSE STRUCTURE FOR M.SC. IN STATISTICS

SEMESTER-I

MS101	:	Advanced Analysis & Linear Algebra	(4 Credits)
MS102	:	Probability and Distribution theory	(4 Credits)
MS103	:	Sampling Techniques	(4 Credits)
MS104	:	Official Statistics and R Programming	(4 Credits)
MS105	:	Lab I	(3 Credits)
MS106	:	Lab II	(3 Credits)
MS107	:	Seminar	(2 Credits)
MPDC-105	:	Remedial Language Course	(1 Credit)

SEMESTER-II

MS201	:	Measure Theory and Advanced Probability	(4 Credits)
MS202	:	Linear Regression Analysis & Time Series	(4 Credits)
MS203	:	Statistical Inference	(4 Credits)
MS204	:	Design of Experiments	(4 Credits)
MS205	:	Lab I	(3 Credits)
MS206	:	Lab II	(3 Credits)
MS207	:	Seminar	(2 Credits)
MPDC-205	:	Moral Studies	(1 Credit)

SEMESTER-III

MS301	:	Multivariate Analysis	(4 Credits)
MS302	:	Demography & Vital Statistics	(4 Credits)
MS303	:	Reliability Theory & Statistical Quality Control	(4 Credits)

MS304	:	Stochastic Processes	(4 Credits)
MS305	:	Lab I	(3 Credits)
MS306	:	Lab II	(3 Credits)
MS307	:	Seminar	(2 Credits)
MPDC-305	:	Community Service	(1 Credit)

SEMESTER-IV

MS401	:	Sequential and Bayesian Analysis	(4 Credits)
MS402	:	Econometrics	(4 Credits)
MS403	:	Operations Research	(4 Credits)
MS404	:	Non Parametric Inference and Stochastic Orders	(4 Credits)
MS405	:	Lab	(4 Credits)
MS406	:	Project Work	(4 Credits)
MPDC-405	:	Ambedkar Studies	(1 Credit)

COURSE STRUCTURE FOR Ph. D. COURSE WORK IN STATISTICS

Paper Code	Paper Title	Credit
PS 101	**Research Methodology** (Every department shall offer an advanced course covering the research methodologies/philosophy (or any other relevant advanced course as decided by the DRC) of the discipline concerned. This course shall be compulsory for all students of the department concerned)	Credit-04
PS 102 – PS 108	**Optional paper** (Every eligible guide of a department shall offer one course related to his/her field to specialization. This course may have a component on reviewing of published research work in the relevant field. Students shall be free to choose one of these courses as per their research interest)	Credit-04
	PS 102- Reliability Theory and Sequential Analysis	

	PS 103- Statistical Inference		
	PS 104- Sampling Theory		
	PS 105- Econometrics and Time Series		
	PS 106- Ordered Random Variables		
	PS 107- Sampling Design & Mathematical Programming Techniques		
	PS 108- Stochastic Orders		
	PS 109- Soft Computing		
PS 110	**Presentation & review of literature**	Credit-04	
PS 111	**Synopsis**	Credit-04	

COURSE STRUCTURE FOR M. Phil. IN STATISTICS

SEMESTER I

S/N	COURSE CODE	PAPER TITLE	Credit
1	**MPS 101**	**RESEARCH METHODOLOGY**	**Credit-06**
2	**MPS 102-109**	**OPTIONAL PAPER** (Every eligible guide of a department shall offer one course related to his/her field to specialization. Students shall be free to choose one of these courses as per their research interest)	**Credit-06**
3	**MPS 110**	**STATISTICAL SOFTWARE & LAB SESSIONS**	**Credit-06**

SEMESTER II

S/N	COURSE CODE	PAPER TITLE	Credit
1	MPS 201	DISSERTATION	Credit-14
2	MPS 202	SEMINAR PRESENTATION & VIVA-VOCE	Credit-04