



BENGAL SCHOOL OF TECHNOLOGY

AUTONOMOUS

Estd. by Supreme Educational Development and Charitable Organization (SEDCO)

Recognised by UGC & included u/s 2(f) of UGC Act 1956

Approved by Pharmacy Council of India, New Delhi

Affiliated to: Maulana Abul Kalam Azad University of Technology (MAKAUT) &

West Bengal State Council of Technical and Vocational Education and Skill Development (WBST&VE&SD)

Accredited by NAAC with "A" Grade, NBA for B. Pharm & QCI

Proposed Lesson Plan

Class: M Pharm 3rd Sem

Session: 2026-27

Date of Commencement of Session: 30/7/2026

Subject Name: Research Methodology & Biostatistics

Subject code: MPT-384

Faculty In charge: Mr. Sougata Mallick

Schedule of allotted class work (w.e.f)

Days	Monday	Tuesday	Wednesday	Thursday	Friday
Time/period	12:40 PM-1:40 PM	-	-	-	-
	-	-	-	-	-

Available Periods/week ____1____ Available periods in the total semester ____16____ Extra

Classes ____NA____

Guest Lectures planned if any with justification ____NA____

Scope & Objective of the course: ____ Based on three areas of learning: knowledge, skills & attitude ____

Reading materials:

A. Text Books

Sl. No.	Name of the Text Book(s)	Author	Edition	Publisher	Accession No.	Rack No
1	Pharmaceutical Statistics	Sanford Bolton	5 th Edition,	Informa healthcare, London	3296	C-66
2	Biostatistics & Research Methodology	Dr. Ravindar Balram	2nd Edition	SIA Publishers, New Delhi	10075	C-19
3	Biomedical research	G. Jagadeesh, Sreekant Murthy	2nd Edition	Lipp Wulter, kluwer, new Delhi	7901	C-3

B. Reference Books

Sl. No.	Name of the Text Book(s)	Author	Edition	Publisher	Accession No.	Rack No

C. Journals / Website/Any other resources

Sl. No.	Name of the journal (s)/website/others	Source	Vol. no.	Month & Year

Daily Teaching Schedule for UNIT-III (SM)

Sl. No.	Date	Day	Title to be covered	Teaching Pedagogy / T.L.P.	Suggested Knowledge Resources
1	03/08/2026	1	History, values in medical ethics, autonomy, beneficence, non-maleficence	Smart class	Biostatistics & Research Methodology by Dr. Ravindar Balram
2	10/08/2026	1	double effect, conflicts between autonomy and beneficence/non-maleficence, euthanasia, informed consent, confidentiality	Smart class	Biomedical research by G. Jagadeesh, Sreekant Murthy
3	17/08/2026	1	criticisms of orthodox medical ethics, importance of communication, control resolution	Smart class	Biostatistics & Research Methodology by Dr. Ravindar Balram
4	24/08/2026	1	guidelines, ethics committees, cultural concerns, truth telling, online business practices	Smart class	Biostatistics & Research Methodology by Dr. Ravindar Balram
5	31/08/2026	1	conflicts of interest, referral, vendor relationships	Smart class	Biostatistics & Research Methodology by Dr. Ravindar Balram
6	07/09/2026	1	treatment of family members, sexual relationships, fatality	Smart class	Biomedical research by G. Jagadeesh, Sreekant Murthy

Daily Teaching Schedule for UNIT-IV (SM)

Sl. No.	Date	Day	Title to be covered	Teaching Pedagogy / T.L.P.	Suggested Knowledge Resources
7	14/09/2026	1	Guidelines for lab animal facilities	Smart class	Biostatistics & Research Methodology by Dr. Ravindar Balram
8	21/09/2026	1	Veterinary care, quarantine & ethics	Smart class	Biomedical research by G. Jagadeesh, Sreekant Murthy
9	28/09/2026	1	Physical facility, Environment & record keeping SOP.	Smart class	Biostatistics & Research Methodology by Dr. Ravindar Balram
10	05/10/2026	1	treatment and control of disease, personal hygiene	Smart class	Biostatistics & Research Methodology by Dr. Ravindar Balram
11	12/10/2026	1	location of animal facilities to laboratories,	Smart class	Biostatistics & Research Methodology by Dr. Ravindar Balram
12	02/11/2026	1	personnel and training, transport of lab animals.	Smart class	Biostatistics & Research Methodology by Dr. Ravindar Balram
13	16/11/2026	1	personnel and training for anesthesia, euthanasia	Smart class	

Daily Teaching Schedule for UNIT-V (SM)

Sl. No.	Date	Day	Title to be covered	Teaching Pedagogy / T.L.P.	Suggested Knowledge Resources
14	23/11/2026	1	Declaration of Helsinki	Smart class	Biostatistics & Research Methodology by Dr. Ravindar Balram
15	30/11/2026	1	History, introduction, basic principles for all medical research	Smart class	Biomedical research by G. Jagadeesh, Sreekant Murthy
16	07/12/2026	1	History, introduction, basic principles for all medical research, additional principles for medical research, additional principles for medical research combined with medical care	Smart class	Biostatistics & Research Methodology by Dr. Ravindar Balram