



BENGAL SCHOOL OF TECHNOLOGY

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 (WBSCT&VE&SD)

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

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: Dr Anandamoy Rudra

Date of Commencement of Class Work in the subject	Last Date of Class Work	No. of Holidays	No. of Working Days	CA1	CA2	CA3	CA 4	Continuous mode	Date of Theory Examination	Date of Practical examination & Viva
30/7/2026								Offline	-	-

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

Days	Monday	Tuesday	Wednesday	Thursday	Friday
Time/period	-	-	-	-	2:25-3:25 PM
	-	-	-	-	3:25-4:25 PM

Available Periods/week ____2____ Available periods in the total semester ____22____ 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 Wulters 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-I

Sl. No.	Date	Day	Title to be covered	Teaching Pedagogy / T.L.P.	Suggested Knowledge Resources
1	6/11/26		Research methodology: Objectives and requirements	Smart class	A-1, A-2, A-3
2	20/11/26		Research methodology: types	Smart class	A-1, A-2, A-3
3	20/11/26		Types of research methods	Smart class	A-1, A-2, A-3
4	27/11/26		Study design: Types of study design	Smart class	A-1, A-2, A-3
5	27/11/26		Strategies to prevent bias in research methods	Smart class	A-1, A-2, A-3

Daily Teaching Schedule for UNIT-II

Sl. No.	Date	Day	Title to be covered	Teaching Pedagogy / T.L.P.	Suggested Knowledge Resources
1	31/7/26		Introduction	Smart class	A-1, A-2, A-3
2	7/8/26		Sample & population	Smart class	A-1, A-2, A-3
3	7/8/26		Probability distribution	Smart class	A-1, A-2, A-3
4	14/8/26		Normal and Binomial distribution	Smart class	A-1, A-2, A-3
5	14/8/26		t-distribution & F-distribution	Smart class	A-1, A-2, A-3
6	21/8/26		Standard normal distribution, Z-score	Smart class	A-1, A-2, A-3
7	21/8/26		Binomial distribution & Chi square distribution	Smart class	A-1, A-2, A-3
8	11/9/26		Hypothesis testing, t-test, Z-test	Smart class	A-1, A-2, A-3
9	11/9/26		Hypothesis testing: t-test, F-test	Smart class	A-1, A-2, A-3
10	18/9/26		One sample t-test & Two sample t-test	Smart class	A-1, A-2, A-3
11	18/9/26		Numerical problems-t-test	Smart class	A-1, A-2, A-3
12	25/9/26		Numerical problems-t-test	Smart class	A-1, A-2, A-3
13	25/9/26		Numerical problems-t-test	Smart class	A-1, A-2, A-3
14	5/10/26		Numerical problems-F-test	Smart class	A-1, A-2, A-3
15	5/10/26		Numerical problems-Z-test	Smart class	A-1, A-2, A-3
16	30/10/26		Numerical problems-Chi Square test	Smart class	A-1, A-2, A-3
17	30/10/26		Non-parametric test : Wilcoxon rank test	Smart class	A-1, A-2, A-3

Daily Teaching Schedule for UNIT-III

Sl. No.	Date	Day	Title to be covered	Teaching Pedagogy / T.L.P.	Suggested Knowledge Resources

Daily Teaching Schedule for UNIT-IV

Sl. No.	Date	Day	Title to be covered	Teaching Pedagogy / T.L.P.	Suggested Knowledge Resources

Daily Teaching Schedule for UNIT-V

Sl. No.	Date	Day	Title to be covered	Teaching Pedagogy / T.L.P.	Suggested Knowledge Resources

Anandamoy Rudra