



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 (WBSCT&VE&SD)

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

Lesson Plan

Class: 2nd year, 3rd Semester

Session: 2026-27

Date of Commencement of Session: 30.07.2026

Subject Name: Computer Application in Pharmacy

Subject code: PT381 & PT 382

Faculty In charge: Mr. Sayan Kumar Dhar

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

Days	Monday	Tuesday	Wednesday	Thursday	Friday
Time/period Section A	-	1 st Period 9.45-10.40	-	3 rd Period 11.35-12.30	-
Time/period Section B	-	2 nd Period 10.40-11.35	-	1 st Period 9.45-10.40	-

Available Periods/week 4(A+B) Available periods in the total semester 48(A+B) Extra Classes _____

Guest Lectures planned if any with justification NIL

Scope & Objective of the course: Using computers is useful for patient profile monitoring, drug interactions, medication, database management, material management, drug information services, patient counseling, & billing & purchasing.

Reading materials:

A. Text Books

Sl. No.	Name of the Text Book(s)	Author	Edition	Publisher	Accession No.	Rack No
1	Computer Application in Management	DR Rama Vaish, Mrs Rachna Agarwal, Mrs Pragati Varsheny	CBS Edition 2013	CBS Publishers		
2	HTML & CSS	JON DUCKET		Jhon Willey & Sons		
3	Database Management System	S.Parthasarathy B.W.Khalkar	First Edition 2007	Master Academy	4769	17C
4	Computer Application in Pharmacy	Abhishek Jain Akhlesh Jain		New Age International Publishers	C379	52D
5	Let us C	Yashavant Kanetkar		BPB Publications		

B. Reference Books

Sl. No.	Name of the Text Book(s)	Author	Edition	Publisher	Accession No.	Rack No
1	Programming In ANSI	Balagurusamy	8 th Edition			
2	HTML & CSS Design	Jon Duckett				

C. Journals / Website/Any other resources

Sl. No.	Name of the journal (s)/website/others	Source	Vol. no.	Month & Year
1	https://www.w3schools.com/html/	Internet		
2	https://www.w3schools.com/c/c_intro.php	Internet		
3	https://www.w3schools.com/python/	Internet		



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Daily Teaching Schedule for UNIT-I

Sl. No.	Date	Day	Title to be covered	Teaching Pedagogy / T.L.P.	Suggested Knowledge Resources
1	30.07.2026	Thursday	Number System- Decimal to Binary, Octal, Hexa-Decimal, Binary to Decimal	Smart Class	A1
2	04.08.2026	Tuesday	Binary to Octal, Hexa-Decimal, Octal to Decimal, Binary, Hexa-Decimal, Binary Addition 2 digit	Smart Class	A1
3	06.08.2026	Thursday	Binary Addition (3 Digit), Multiply, Compliment (1' & 2's), Compliment Subtraction 1's and 2's	Smart Class	A1
4	11.08.2026	Tuesday	Binary Division, Flow chat & Algorithm (DFD)	Smart Class	A1
5	13.08.2026	Thursday	Information Gathering, DFD, Process Specification, Life Cycle, Planning	Smart Class	A1

Daily Teaching Schedule for UNIT-II

Sl. No.	Date	Day	Title to be covered	Teaching Pedagogy / T.L.P.	Suggested Knowledge Resources
1	18.08.2026	Tuesday	Introduction HTML Basic Tags, Bold, Italic, Underline, subscript, superscript, center, List, image tag, anchor tag,	Smart Class	A4
2	20.08.2026	Thursday	HTML Table tag, list Tag, Input Tags, Submit& Reset Button, Web server, Server Product	Smart Class	A2, C1
3	25.08.2026	Tuesday	CSS & CSS types (Inline, External, Internal), XML	Smart Class	A2, C1
4	27.08.2026	Thursday	C Programming introduction, Basic program, Header file, Datatype, Variable, Input & output structure, Token and keyword.	Smart Class	A2, C1
5	01.09.2026	Tuesday	If condition (Simple if, if else, nested if, if else ladder) example for all types if condition.	Smart Class	A2, C1
6	03.09.2026	Thursday	Loop (for loop, while loop, do while loop)	Smart Class	
7	15.09.2026	Tuesday	Switch case & function implement	Smart Class	
8	22.09.2026	Tuesday	Introduction DBMS and MS access (access datatype, query)	Smart Class	A2, C1
9	24.09.2026	Thursday	My SQL introduction, and software (oracle)	Smart Class	A2, C1
10	29.09.2026	Tuesday	SQL Query- create, insert, delete, drop, alter, update.	Smart Class	A2, C1

Daily Teaching Schedule for UNIT-III

Sl. No.	Date	Day	Title to be covered	Teaching Pedagogy / T.L.P.	Suggested Knowledge Resources
1	06.10.2026	Tuesday	Mobile technology & Lab Diagnostic System Design, Patient Monitoring System	Smart Class	A4
2	08.10.2026	Thursday	Drug Information & Storage & retrieval, Pharma Information system	Smart Class	A4
3	13.10.2026	Tuesday	Electronic Prescribing and discharge System, Mobile Technology		
4	27.10.2026	Tuesday	Barcode medicine		



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Daily Teaching Schedule for UNIT-IV

Sl. No.	Date	Day	Title to be covered	Teaching Pedagogy / T.L.P.	Suggested Knowledge Resources
1	29.10.2026	Thursday	Introduction & Objective of Bioinformatics, Bioinformatics Database	Smart Class	A4
2	17.11.2026	Tuesday	Impact of Bioinformatics, Database	Smart Class	A4

Daily Teaching Schedule for UNIT-V

Sl. No.	Date	Day	Title to be covered	Teaching Pedagogy / T.L.P.	Suggested Knowledge Resources
1	19.11.2026	Thursday	CDS, LIMS	Smart Class	A4
2	26.11.2026	Thursday	LIMS, TIMS	Smart Class	A4

Daily Teaching Schedule for Practical

Sl. No.	Date	Day	Title to be covered
1	30.07.2026 31.07.2026 04.08.2026 05.08.2026	Thursday Friday Tuesday Wednesday	Html Basic Structure, Bold, Italic, Underline, Font with Attributes, Super Script, Sub Script, Heading, Marquee,
2	06.08.2026 07.08.2026 11.08.2026 12.08.2026	Thursday Friday Tuesday Wednesday	Image, Hyperlink with Attributes, List Tags
3	13.08.2026 14.08.2026 18.08.2026 19.08.2026	Thursday Friday Tuesday Wednesday	Table Tag, Input Tag (Text, Password, Text Area, Checkbox, Radio/Option Button, Date, File, Submit Button, Reset Button., Dropdown List) Create A Webpage to Show Personal Information
4	20.08.2026 21.08.2026 25.08.2026 02.09.2026	Thursday Friday Tuesday Wednesday	Create Mailing Labels Using Label Wizard, Generating Label in Ms-Word
5	27.08.2026 28.08.2026 01.09.2026 03.09.2026	Thursday Friday Tuesday Thursday	Design a questionnaire using a word processing package to gather information about a particular disease
6	08.09.2026 09.09.2026 10.09.2026 11.09.2026	Tuesday Wednesday Thursday Friday	CA1 Examination
7	15.09.2026 16.09.2026 18.09.2026	Tuesday Wednesday Friday	Create a database in MS Access to store the patient information with the required fields Using access
8	22.09.2026 23.09.2026 24.09.2026 25.09.2026	Tuesday Wednesday Thursday Friday	PCA1 Examination
9	29.09.2026 30.09.2026 01.10.2026 09.10.2026	Tuesday Wednesday Thursday Friday	Design a form in MS Access to view, add, delete and modify the patient record in the database
10	06.10.2026 07.10.2026 08.10.2026 30.10.2026	Tuesday Wednesday Thursday Friday	Generating report and printing the report from patient database
11	13.10.2026 14.10.2026	Tuesday Wednesday	Creating and working with queries in MS Access



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	29.10.2026 13.11.2026	Thursday Friday	
12	27.10.2026 28.10.2026 26.11.2026 27.11.2026	Tuesday Wednesday Thursday Friday	Exporting Tables, Queries, Forms and Reports to web pages Exporting Tables, Queries, Forms and Reports to XML pages
13	03.11.2026 04.11.2026 05.11.2026 06.11.2026	Tuesday Wednesday Thursday Friday	CA1 Examination
14	17.11.2026 18.11.2026 19.11.2026 20.11.2026	Tuesday Wednesday Thursday Friday	PCA2 Examination
15	17.11.2026 18.11.2026 19.11.2026 20.11.2026	Tuesday Wednesday Thursday Friday	Creating invoice table using – MS Access Drug information storage and retrieval using MS Access