

Programme Project Report (PPR)

Bachelor of Science (ODL Mode)

1. Programme Mission & Objectives

- **Mission:** To provide accessible, flexible, and high-quality undergraduate education in science disciplines through Open & Distance Learning.
- **Objectives:**
 - Build strong foundational knowledge in chosen science subjects.
 - Develop analytical, problem-solving, and research skills.
 - Train learners in practical applications of science for industry and academia.
 - Encourage innovation, critical thinking, and lifelong learning.

2. Programme Outcomes

- Learners will acquire comprehensive knowledge in their chosen discipline.
- Graduates will be prepared for careers in industry, research, education, and entrepreneurship.
- Learners will gain confidence to pursue higher studies (M.Sc., MBA, professional certifications).

3. Target Learners

- **Eligibility:** 10+2 with Science stream (Physics, Chemistry, Mathematics/Biology).
- **Profile:** Students, working professionals, entrepreneurs, and learners seeking flexible undergraduate education.
- **Special Focus:** Rural and semi-urban learners who benefit from ODL flexibility.

4. Programme Structure

Duration: 3 Years (6 Semesters)

Credits: 132

Semester	Course Type	Course Code	Nomenclature of Course	Credits			Internal Assessment Marks			End Term Examinations Marks			Total Marks	Passing Marks (in aggregate)	Examination Hours
				Th	Pr.	Total	Th	Pr.	Total	Th	Pr.	Total			
FIRST YEAR SCHEME															
I	Core Courses (students have to opt any 3 core courses out of the following)	B23-MAT-101	Calculus	3	1	4	20	10	30	50	20	70	100	40	3
		B23-STA-101	Descriptive Statistics	3	1	4	20	10	30	50	20	70	100	40	3
		B26-CBA-101	Foundations of Business Analytics	4	-	4	30	-	30	70	-	70	100	40	3
		B23-CSE-101	Problem Solving through C	3	1	4	20	10	30	50	20	70	100	40	3
		B23-GEO-101	Physical Geography	3	1	4	20	10	30	50	20	70	100	40	3
	CC-M1	B23-ECO-103	Introductory Economics	2	-	2	15	-	15	35	-	35	50	20	3
	MDC-1	B23-COM-105	Personal Finance	3	-	3	25	-	25	50	-	50	75	30	3
	AEC-1	B23-AEC-111	English Language and Communication (Level-I)	2	-	2	15	-	15	35	-	35	50	20	3
	SEC-1	B23-SEC-101	Office and spreadsheet tools learning	2	1	3	15	5	20	35	20	55	75	30	3
	VAC-1	B23-VAC-101	Human Values and Ethics	2	-	2	15	-	15	35	-	35	50	20	3
Sub-Total				-	-	24	-	-	180	-	-	420	600	240	-
II	Core Courses (core courses opted in Sem. 1 will continue with following nomenclatures)	B23-MAT-201	Algebra and Number Theory	3	1	4	20	10	30	50	20	70	100	40	3
		B23-STA-201	Probability Theory and Distributions	3	1	4	20	10	30	50	20	70	100	40	3
		B26-CBA-201	Business Statistics & Excel Modeling	3	1	4	20	10	30	50	20	70	100	40	3
		B23-CSE-201	Web Development	3	1	4	20	10	30	50	20	70	100	40	3
		B23-GEO-201	Human Geography	3	1	4	20	10	30	50	20	70	100	40	3
	CC-M2	B23-ECO-202	Introduction to Indian Economy	2	-	2	15	-	15	35	-	35	50	20	3
	MDC-2	B23-COM-205	Fundamentals of Banking and Insurance	3	-	3	25	-	25	50	-	50	75	30	3
	AEC-2	B23-AEC-211	English Language and Communication (Level-2)	2	-	2	15	-	15	35	-	35	50	20	3
	SEC-2	B23-SEC-229	Customer Care & Interpersonal Skills	2	1	3	15	5	20	35	20	55	75	30	3
	VAC-2	B23-VAC-201	Environmental Studies	2	-	2	15	-	15	35	-	35	50	20	3
Sub-Total				-	-	24	-	-	180	-	-	420	600	240	-
SECOND YEAR SCHEME															
III	Core Courses (core courses opted in Sem. 1 will continue with following nomenclatures)	B23-MAT-301	Differential Equations-I	3	1	4	20	10	30	50	20	70	100	40	3
		B23-STA-301	Applied Statistics	3	1	4	20	10	30	50	20	70	100	40	3
		B26-CBA-301	Data Management & SQL	3	1	4	20	10	30	50	20	70	100	40	3
		B23-CSE-301	Operating Systems	3	1	4	20	10	30	50	20	70	100	40	3
		B23-GEO-301	Geography of India	3	1	4	20	10	30	50	20	70	100	40	3
	CC-M3	B23-ECO-304	Money, Banking and Finance	4	-	4	30	-	30	70	-	70	100	40	3
	MDC-3	B23-COM-305	Fundamentals of Indian Capital Markets	3	-	3	25	-	25	50	-	50	75	30	3
	AEC-3	B23-AEC-311	English Language and Communication (Level-3)	2	-	2	15	-	15	35	-	35	50	20	3
	SEC-3	B23-SEC-327	Reasoning	2	1	3	15	5	20	35	20	55	75	30	3
Sub-Total				-	-	24	-	-	180	-	-	420	600	240	-
IV	Core Courses (core courses opted in Sem. 1 will continue with following nomenclatures)	B23-MAT-401	Analytics Geometry and Vector Calculus	3	1	4	20	10	30	50	20	70	100	40	3
		B23-STA-401	Statistical Inference	3	1	4	20	10	30	50	20	70	100	40	3
		B26-CBA-401	Data Visualization & Storytelling	3	1	4	20	10	30	50	20	70	100	40	3
		B23-CSE-401	Data Management with DBMS	3	1	4	20	10	30	50	20	70	100	40	3
		B23-GEO-401	Fundamentals of Economic Geography	3	1	4	20	10	30	50	20	70	100	40	3
	CC-M4(V)	B23-VOC-243	Ethical Hacking	3	1	4	20	10	30	50	20	70	100	40	3
	AEC-4	B23-AEC-411	English Language and Communication (Level-4)	2	-	2	15	-	15	35	-	35	50	20	3
	VAC-3	B23-VAC-412	Intellectual Property Rights	2	-	2	15	-	15	35	-	35	50	20	3
Sub-Total				-	-	20	-	-	150	-	-	350	500	200	-
THIRD YEAR SCHEME															
V	Core Courses (core courses opted in Sem. 1 will continue with following nomenclatures)	B23-MAT-501	Sequences and Series	3	1	4	20	10	30	50	20	70	100	40	3
		B23-STA-501	Sample Surveys	3	1	4	20	10	30	50	20	70	100	40	3
		B26-CBA-501	Introduction to Predictive Analytics	3	1	4	20	10	30	50	20	70	100	40	3
		B23-CSE-501	Data Structures	3	1	4	20	10	30	50	20	70	100	40	3
		B23-GEO-501	Statistical Methods in Geography	3	1	4	20	10	30	50	20	70	100	40	3
	CC-M5(V)	B23-VOC-144	Digital Marketing Using CANVA	3	1	4	20	10	30	50	20	70	100	40	3
	Internship			-	-	4	-	-	-	-	-	-	100	40	-
Sub-Total				-	-	20	-	-	120	-	-	280	500	200	-
VI	Core Courses (core courses opted in Sem. 1 will continue with following nomenclatures)	B23-MAT-601	Numerical Analysis	3	1	4	20	10	30	50	20	70	100	40	3
		B23-STA-601	Design of Experiments	3	1	4	20	10	30	50	20	70	100	40	3
		B26-CBA-601	Business Intelligence & Decision Strategy	4	-	4	30	-	30	70	-	70	100	40	3
		B23-CSE-601	Computer Networks	3	1	4	20	10	30	50	20	70	100	40	3
		B23-GEO-601	Fundamentals of Remote Sensing	3	1	4	20	10	30	50	20	70	100	40	3
	CC-M6	B23-ECO-607	Fundamentals of Economic Development	4	-	4	30	-	30	70	-	70	100	40	3
	CC-M7(V)	B23-VOC-345	UI/UX Design using FIGMA	3	1	4	20	10	30	50	20	70	100	40	3
Sub-Total				-	-	20	-	-	150	-	-	350	500	200	-
Total		-	-	132	-	-	960	-	-	2240	3300	1320	-	-	-

5. Instructional Design

- **Self-Learning Materials (SLM):** Print + digital modules.
- **Multimedia:** Recorded lectures, webinars, tutorials.
- **Assignments:** Case studies, lab simulations, project reports.
- **Learner Support:** Online forums, counseling, peer interaction.

6. Admission & Evaluation

- **Admission:** Online application via ODL portal.
- **Evaluation:**
 - Internal Assessment (30%) – assignments, quizzes, projects.
 - End-Term Exam (70%) – proctored online/offline.
- **Certification:** B.Sc. degree awarded upon completion of all credits.

7. Faculty & Resources

- **Faculty:** Subject experts, researchers, and industry professionals.
- **Resources:**
 - Access to virtual labs, simulation software, and e-learning platforms.
 - Library support (e-books, journals, case studies).
 - LMS for online learning.

8. Cost Estimate

- Affordable fee structure.
- Scholarships and concessions for disadvantaged learners.
- Budget allocation for faculty, technology, and learner support.

9. Quality Assurance

- Curriculum updated regularly with industry standards.
- Feedback from learners and employers.
- Monitoring by Centre for Distance Education.
- Compliance with UGC-DEB guidelines.
- **CIQA (Centre for Internal Quality Assurance):** Will monitor feedback from learners.