

Criterion VI- Governance, Leadership and Management 6.2 Strategy Development and Deployment

6.2.1 The institutional Strategic/ Perspective plan clearly articulated and implemented

A Case study of Multi-disciplinary/Inter-disciplinary courses introduced in the First Year Undergraduate Programmes under National Education Policy (NEP) 2020

Objective: To generate a basket of multi-disciplinary/inter-disciplinary courses within the NEP Course Structure giving students the academic freedom for acquiring a holistic development.

Method: Meetings conducted by NEP Implementation Cell and IQAC. Course Syllabi designed by teaching staff and approved by Board of Study Members.

The National Education Policy (NEP) 2020 implemented in the institution from the year 2023-24 for the First Year UG Programmes across streams. Along with the Core Courses as Major and Minor Subjects, the students got an opportunity to study multi-disciplinary/interdisciplinary courses through:

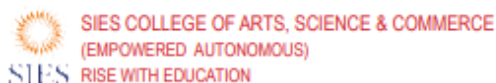
- Vocational Skill Course (VSC): provide hands-on training, competencies, proficiency to students to enhance skill & employability.
- Skill Enhancement Course (SEC): impart practical skills, nurturing soft skills etc., to enhance the employability of students.
- Ability Enhancement Course (AEC): enable the students to acquire & demonstrate the core linguistic skills, achieve competency in Modern Indian Language (such as Marathi/Hindi among others) and in English Language. A compulsory course in Communication Skills in English (AEC) to all students across streams at the First Year UG Level

THE FOLLOWING SUBJECTS/COURSES WILL BE MANDATORY/COMPULSORY FOR ALL THE COURSES BELOW:

- Open Elective (OE)
- Students must select one course from the list of courses provided.
- Vocational Skill Course (VSC)
- Skill Enhancement Course (SEC)
- Ability Enhancement Course (AEC)- Communication Skills in English for First year and Hindi for second year (Common for all courses)
- Value Education Course (VEC)- Common for all courses
Semester I - Environmental Studies
Semester II - Understanding India
- Indian Knowledge System (IKS)- Common for all courses
- Co-Curricular Courses (CC) such as NCC/NSS/Sports/Yoga/Cultural Activities- Compulsory for all courses

Multi-disciplinary/Inter-disciplinary courses offered to Undergraduate Degree programmes under NEP with effect from 2023-24

1) Grant-in-Aid Undergraduate Degree programmes



COURSES OFFERED - DEGREE COLLEGE

BACHELOR OF ARTS (BA) FIRST YEAR – UNDER NATIONAL EDUCATION POLICY (NEP)

Subject 1	Subject 2	OE (Open Elective)	SEC (Skill Enhancement Course)	VSC (Vocational Skill Course)	AEC (Ability Enhancement Course)	VEC (Value Education Course)	CC (Co-Curricular Course)
Economics	Economics	Fundamentals of Advertising	Basics Spreadsheet & Word Processing Technique	VSC related to subject1 in Semester I & VSC related to Subject 2 in Semester II	Communication Skills in English	Indian Knowledge System	NCC/NSS/ Sports/ Association Activity/Yoga/ Food Nutrition
English	English	Introduction to E-Commerce	Basic Presentation & Designing Techniques			Understanding India	
Hindi	History	Introduction to Elementary Statistics I	Interpersonal Skills		Communication Skills in English		
Philosophy	Philosophy	Introduction to Elementary Statistics II	Group Dynamic Skills				
Politics	Politics	Landscaping and Urban Gardening	Data Analytics Using Excel-I				
Psychology	Psychology	Food Processing technology	Data Analytics Using Excel-II				
Psychology	Psychology	Food Processing technology	Data Analytics Using Excel-II				

NOTE :The subject/s which is /are to be taken as Major Subject/s i.e. 3/6 Units for the degree (at the T.Y.B.A.) should necessarily be offered at the F.Y.B.A. and S.Y.B.A. levels.This includes languages as well.

BACHELOR OF SCIENCE (BSc) FIRST YEAR – UNDER NATIONAL EDUCATION POLICY (NEP)

Subject 1 + Subject 2	OE (Open Elective)	SEC (Skill Enhancement Course)	VSC (Vocational Skill Course)	AEC (Ability Enhancement Course)	VEC (Value Education Course)	CC (Co-Curricular Course)
Chemistry + Zoology OR Chemistry + Botany OR Physics + Zoology OR Chemistry + Microbiology OR Chemistry + Physics OR Chemistry + Biochemistry OR Physics + Botany OR Botany + Zoology OR Botany + Biochemistry OR	Zoology + Biochemistry OR Botany + Microbiology OR Zoology + Microbiology OR Microbiology + Biochemistry OR Microbiology + Physics OR Physics + Mathematics OR Mathematics + Statistics OR Physics + Statistics	Offered by Dept of Politics: Sem-I-Know Your Rights Sem-II Democracy and Electoral Politics in India Offered by Dept of Economics: Semester I Basics of banking and finance. Semester II Credit and Insurance market Offered by Dept of Psychology: Semester I Stress management. Semester II Consumer psychology.	SEC related to subject 1 in Sem I SEC related to Subject 2 in Sem II	VSC related to subject 1 in Sem I VSC related to Subject 2 in Sem II	Communication Skills in English Indian Knowledge System	NCC / NSS Sports / Association Activity / Yoga Food Nutrition Etc

BACHELOR OF COMMERCE (B.Com) FIRST YEAR UNDER NATIONAL EDUCATION POLICY (NEP)

SEMESTER I	SEMESTER II
CORE COURSES (COMPULSORY)	CORE COURSES (COMPULSORY)
Accountancy and Financial Management I	Accountancy and Financial Management II
Introduction to Business	Introduction to Service Sector
Economic Analysis for Commerce I	Economic Analysis for Commerce II
OPEN ELECTIVE (ANY ONE)	OPEN ELECTIVE (ANY ONE)
(Mathematics) Business Mathematics and Statistics - I	(Mathematics) Business Mathematics and Statistics - II
(Botany) Landscaping & Urban Gardening	(Botany) Food Processing Technology
(Politics) Know Your Rights	(Politics) Democracy and Electoral Politics in India
VOCATIONAL SKILL COURSE (COMPULSORY)	VOCATIONAL SKILL COURSE (COMPULSORY)
Entrepreneurship Management	Accounting for Special Purpose Transactions
SKILL ENHANCEMENT COURSE (COMPULSORY)	SKILL ENHANCEMENT COURSE (COMPULSORY)
Basic Office skills	Advanced Office skills
ABILITY ENHANCEMENT COURSE (COMPULSORY)	ABILITY ENHANCEMENT COURSE (COMPULSORY)
English	English
VALUE EDUCATION COURSE (COMPULSORY)	VALUE EDUCATION COURSE (COMPULSORY)
Environmental Studies	Environmental Studies
Indian Knowledge System	-
-	CO-CURRICULAR COURSE (COMPULSORY)*

*CO-CURRICULAR COURSE LIST WILL BE PROVIDED IN THE ADMISSION FORM

2) Self-financed Undergraduate Degree programmes

FIRST YEAR – BSC INFORMATION TECHNOLOGY (IT) UNDER NATIONAL EDUCATION POLICY (NEP)

Semester	Subject 1	Subject 2	OE	SEC	VSC
I	Imperative Programming	Digital Electronics	Food and Nutrition/Environment and Society/ Foundation of Human Skills/ Introduction to Media and Entertainment	Web Designing - I	Computer Networks
II	Object Oriented Programming- with C++	Discrete Mathematics	Introduction to Forensic Science/ Ecotourism/ Financial Literacy and Investing/ Understanding Cinema	Web Designing - II	Operating Systems

FIRST YEAR – BSC COMPUTER SCIENCE (CS) UNDER NATIONAL EDUCATION POLICY (NEP)

Semester	Subject 1	Subject 2	OE	SEC	VSC
I	Programming with Python	Fundamentals of Mathematics and Statistics-I	Environment and Society/ Foundation of Human Skills/ Introduction to Media and Entertainment/	Beginning MySQL	Basic Web Programming
II	Data Structures and fundamentals of Algorithm	Fundamentals of Mathematics and Statistics-II	Understanding Cinema / Ecotourism/ Financial Literacy and Investing	Digital Electronics	Programming with C

BSC (BIOTECHNOLOGY)

First Year – BSc Biotechnology (BT) Under National Education Policy (NEP)

Semester	Subject 1	Subject 2	OE	SEC	VSC
I	Basic Biotechnology I	Bioorganic Chemistry I	Foundation of Human Skills/Data Presentation and Visualization in MS PowerPoint/ Basic Web Designing / Data Management in Excel/ Introduction to Media and Entertainment	Analytical Skills	Microbial Techniques
II	Basic Biotechnology II	Bioorganic Chemistry II	Data Analysis in MS Excel / Basics of R programming/ Data Handling using MySQL/ Financial Literacy and Investing/ Understanding Cinema	Tissue Culture	Biofertilizers

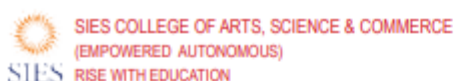
BACHELOR OF MANAGEMENT STUDIES (BMS)

First Year – Business Management Studies (BMS) Under National Education Policy (NEP)

Semester	Subject 1	Subject 2	OE	SEC	VSC
I	Principles of Management	Business Environment	Food and Nutrition/ Environment and Society/ Data Presentation and Visualization in MS PowerPoint/ Basic Web Designing / Data Management in Excel	Entrepreneurship Management I	Consumer Behavior I
II	Principles of Marketing	Research Methodology	Data Analysis in MS Excel / Basics of R programming/ Data Handling using MySQL/ Introduction to Forensic Science/ Ecotourism/	Entrepreneurship Management II	Consumer Behavior II

First Year – Bachelor of Management Studies- Capital Market (BMS-CM) Under National Education Policy (NEP)

Semester	Subject 1	Subject 2	OE	SEC	VSC
I	Introduction to Financial Market- I	Financial Accounting	Food and Nutrition/ Environment and Society/ Data Presentation and Visualization in MS PowerPoint/ Basic Web Designing / Data Management in Excel	Entrepreneurship Management I	Mutual Fund Management I
II	Introduction to Financial Market- II	Research Methodology	Introduction to Forensic Science/ Ecotourism/ Data Analysis in MS Excel / Basics of R programming/ Data Handling using MySQL	Entrepreneurship Management II	Mutual Fund Management II



First Year –BA (Multimedia and Mass communication) -BAMMC Under National Education Policy (NEP)

Semester	Subject 1	Subject 2	OE	SEC	VSC
I	Fundamentals of Mass Communication	Principles of Management and Marketing	Food and Nutrition/ Environment and Society/ Data Presentation and Visualization in MS PowerPoint	Understanding Indian Society: Structure and Change	Visual Communication
II	Electronic Media	Human Resource Management	Introduction to Forensic Science/ Ecotourism/ Data Analysis in MS Excel	Understanding Media Representation: Gender and Culture	Content Writing

First Year – BSc Data Science (DS) Under National Education Policy (NEP)

Semester	Subject 1	Subject 2	OE	SEC	VSC
I	Fundamentals of Data Science	Computer Oriented Statistical Techniques	Food and Nutrition/ Environment and Society/ Foundation of Human Skills/ Introduction to Media and Entertainment	Python Programming – I	Data Processing Using Excel
II	Data Structure using Python	Time Series Analysis	Introduction to Forensic Science/ Ecotourism/ Financial Literacy and Investing Understanding Cinema	Python Programming – II	Introduction to Statistical Analysis Software (SAS)

BSc (ENVIRONMENTAL SCIENCES) First Year – BSc Environmental Science (EVS) Under National Education Policy (NEP)

Semester	Subject 1	Subject 2	OE	SEC	VSC
I	Ecosystem, Ecology and Biodiversity	Basic Chemistry-I	Foundation of Human Skills/Data Presentation and Visualization in MS PowerPoint/ Basic Web Designing / Data Management in Excel/ Introduction to Media and Entertainment	Introduction to Good Laboratory practices	Fundamentals of Computers
II	Meteorology and Global Environmental Issues	Basic Life Science - I	Data Analysis in MS Excel / Basics of R programming/ Data Handling using MySQL/ Financial Literacy and Investing Understanding Cinema	Indian Geography and Map studies	Sustainable Tourism

Website link of NEP 2020 course credit structure:

<https://siesascs.edu.in/docs/nep/sies%20college%20orientation%20for%20nep%20may%202023.pdf>

The curriculum design justifies the essence of NEP 2020 as it inculcates critical thinking; develops an open, inquiring mind; encourages inclusive education and promotes human as well as social values. It supports holistic development by including courses such as Vocational and Skill Enhancement, Open Electives, Indian Knowledge System, Ability Enhancement, Value Education and Co-Curricular as stated above across all the programmes.



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