NEP CREDIT STRUCTURE

CATEGORY	CREDITS
MAJOR	MANDATORY:48 (Three years course) +28 = **76 (Four Years Honours course)**
	ELECTIVES 4+4=**8**
MINOR	**18**
GENERIC ELECTIVE	**12**
VOCATIONAL SKILL ENHANCEMENT COURSE	**10**
SKILL ENHANCEMENT COURSE	**6**
ABILITY ENHANCEMENT COURSE i) English: 04 ii) Indian Modern Language: 04	**8**
INDIAN KNOWLEDGE SYSTEM (IKS)	**2**
VALUE ADDED COURSE	**4**
NSS/NCC/SPORTS/ CULTURAL/ INTERNSHIP/FIELD PROJECT	**18 +4**
TOTAL	**132 (3 years) +44=176 (4th Year)**

OPTIONS FOR AUTONOMUS COURSES:

MAJOR COURSE: Choose any ONE.

1. Bachelor of Science - Data Science and Data Analytics

2. Bachelor of Science - Artificial Intelligence

SEMESTER I			
MAJOR SUBJECTS I			
BSC DSDA		**BSC AI**	
TITLE	CREDITS	TITLE	CREDITS
Programming using Python	**2**	**C Programming**	**2**
Operating System and Networking	**2**	**Operating System**	**2**
Practical of **(Programming using Python + Operating System and Networking)**	**2**	**Practical of** **(C Programming +Operating System)**	**2**
MINOR SUBJECTS I			
TITLE	CREDITS	TITLE	CREDITS
NA	**NA**	**NA**	**NA**
OPEN ELECTIVE (Choose any one from one group)			
GROUP A		**GROUP B**	
Financial Literacy - I		E - commerce and Digital Marketing	
Business Economics		Basics of Investment	
Fundamentals of Banking		Digital Media	
Basics of Investment		Nutrition and Balanced Diet	
VOCATIONAL/ SKILL ENHANCEMENT COURSE (Choose any ONE)			
TITLE	CREDITS	TITLE	CREDITS
1. Statistics in Data Science	**2**	1.Introduction to Calculus	**2**

2. R Programming – I (Practical)	**2**	2.Computer Organization & Hardware (Practical)	**2**

ABILITY ENHANCEMENT COURSE	
NAME OF SUBJECTS	
1.Business communication I	2

INDIAN KNOWLEDGE SYSTEM (Choose any ONE)

TITLE	CREDITS	TITLE	CREDITS
Vedic Mathematics	**2**	Vedic Mathematics	**2**

VALUE ADDED COURSE

TITLE	CREDITS	TITLE	CREDITS
Indian Constitution	**2**	Indian Constitution	**2**

NSS/NCC/SPORTS/ CULTURAL/ INTERNSHIP/FIELD PROJECT

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SEMESTER II			
MAJOR SUBJECTS I			
BSC DSDA		**BSC AI**	
TITLE	CREDITS	TITLE	CREDITS
1.Application Development using Python	**2**	1.Data Structures	**2**
2.DBMS	**2**	2.RDBMS	**2**
3. Practical of (Application Development using Python + DBMS)	**2**	3. Practical of (Data Structures + RDBMS)	**2**
MINOR SUBJECTS I			
TITLE	CREDITS	TITLE	CREDITS
Open-Source Technologies	**2**	**Java programming**	**2**

OPEN ELECTIVE (Choose any one from one group)		
GROUP A	**GROUP B**	**CREDITS**
Financial Literacy - II	Business Strategies	**02**
Business Economics - II	Introduction to Film making.	**02**
Fundamentals of insurance	Quantitative Aptitude Development	**02**
Fundamentals of Stress Management	Universal Human Values	**02**

VOCATIONAL/ SKILL ENHANCEMENT COURSE (Choose any ONE)			
TITLE	CREDITS	TITLE	CREDITS
1. Statistics in Data Science – II	**2**	1.Discrete Mathematics & Linear Algebra	**2**
2. R Programming – II	**2**	2.Python Programming	**2**

ABILITY ENHANCEMENT COURSE	
NAME OF SUBJECTS	**CREDITS**

1.Business communication I			02

INDIAN KNOWLEDGE SYSTEM (Choose any ONE)			
TITLE	CREDITS	TITLE	CREDITS
NA		**NA**	

VALUE ADDED COURSE			
TITLE	CREDITS	TITLE	CREDITS
Environment Science - Green Technology and E-waste Management	**2**	**Environment Science - Green Technology and E-waste Management**	**2**

NSS/NCC/SPORTS/ CULTURAL/ INTERNSHIP/FIELD PROJECT	02

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