



SANDIP
UNIVERSITY

School of Computer Sciences and Engineering
Department of Computer Science and Application
NEP-2020 Course Structure

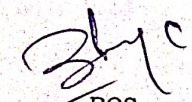
Programme Name: Bachelor of Computer Application (Hons./Hons. with Research)

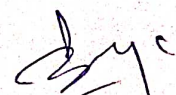
Semester – I

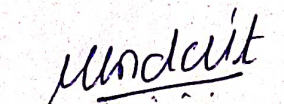
For the Batch: AY 23-24 onwards


For the Batch: AY 23-24 onwards												
S r N o.	Catego ry	Course Code	Course Name	Teaching Scheme (Hrs./Week)				Examination Scheme				Tota l Mar ks
				L	T	P	C	Formative Assessment CIA	Summative Assessment ESE			
										Course	Lab	
Major (Mandatory + Electives)												
1	Major	NYCA101	Problem Solving Technique using C	3	--	--	3	50	--	100	--	100
2	Major	NYMT101	Mathematical Foundation for Computer Science	2	1	--	3	50	--	100	--	100
Minor: NA												
NA												
Open Elective (OE) *												
3	OE		Open Elective - I	4	--	--	4	50	--	100	--	100
Vocational and Skill Enhancement (VSEC)												
4	SEC	NCAS01	Office 365 Laboratory	--	--	4	2	--	50	--	50	100
5	VSC	NYCA111	C Programming Laboratory	--	--	4	2	--	50	--	50	100
Ability/Value Education Courses / Indian Knowledge System (AEC/VEC/IKS) *												
6	AEC		Ability Enhancement Courses - I	--	--	4	2	--	50	--	50	100
7	VEC		Value Education Course - I	--	--	4	2	--	50	--	50	100
8	IKS		Indian Knowledge System - I	--	--	4	2	--	50	--	50	100
OJT/FP/CEP/CC/RP												
8	CC	NYCA112	Yoga and Meditation	--	--	4	2	--	50	--	50	100
TOTAL				9	1	24	22	150	300	300	300	900

CIA: Continuous Internal Assessment ESE: End Semester Theory Exam. L: Theory Lecture, T: Tutorial, P: Practical	OJT – On Job Training FP – Field Project CEP – Community Engagement Projects CC – Co-Curricular Course RP – Research Project * - Refer University Notification	CIA	Weightage	Description
		CIA 1	10%	Home Assignment
		CIA 2	20%	Written Exam
		CIA 3	10%	Activity /Project and Research Based Learning along with Seminar Presentations
		CIA 4	10%	Behavioral Attitude +General Discipline Theory +Practical attendance
		CIA TOTAL	50%	
Written Examination – End Semester Exam (ESE)			50%	
		TOTAL	100%	


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Chair Person


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Associate Dean
Curriculum Development


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Semester – II

For the Batch: AY 23-24 onwards

Semester – II				For the Batch: AY 23-24 onwards										
Sr. No.	Category	Course Code	Course Name	Teaching Scheme (Hrs./Week)				Examination Scheme				Total Marks		
				L	T	P	C	Formative Assessment CIA		Summative Assessment ESE				
								Course	Lab	Course	Lab			
Major (Mandatory + Electives)														
1	Major	NYCA201	Object Oriented Programming using C++	3	--	--	3	50	--	100	--	100		
2	Major	NYCA202	Discrete Mathematics	3	--	--	3	50	--	100	--	100		
Minor:														
3	Minor	NYCAM_	Minor-I	2	--	--	2	50	--	100	--	100		
Open Electives (OE) *														
4	OE		Open Elective - II	4	--	--	4	50	--	100	--	100		
Vocational and Skill Enhancement (VSEC)														
5	VSC	NYCA211	Object Oriented Programming using C++ Laboratory	--	--	4	2	--	50	--	50	100		
6	SEC	NCAS04	Web Application Development Technologies Laboratory	--	--	4	2	--	50	--	50	100		
Ability/Value Education Courses / Indian Knowledge System (AEC/VEC/IKS) *														
7	AEC		Ability Enhancement Courses - II	--	--	4	2	--	50	--	50	100		
8	VEC		Value Education Course - II	--	--	4	2	--	50	--	50	100		
OJT/FP/CEP/CC/RP														
9	CC	NYCA212	SUN Clubs	--	--	4	2	--	50	--	50	100		
TOTAL				12	-	20	22	200	300	400	300	1000		

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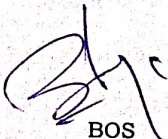


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MINOR			
Sr. No	Semester	Course Code	Name of the course (Choose any One)
1	II	NYCAM01	Web Application Development Technologies
2	II	NYCAM02	Introduction to Microprocessor

Exit option: Award of UG Certificate in Major with 40-44 credits and an additional 4 credits of Internship OR Continue with Major and Minor.

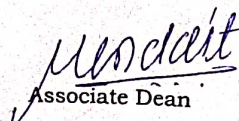

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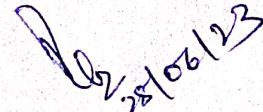


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28/06/23

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