



SANDIP
UNIVERSITY

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

Programme Name: B.Sc. Computer Science in Artificial Intelligence Machine Learning and Virtual Reality (Hons. / Hons. with Research)

Semester – I

For the Batch: AY 23-24 onwards

For the Batch: AY 23-24 onwards												
S r N o.	Categor y	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	NYCI101	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	NYCI111	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												
9	CC	NYCI112	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%	Behavioural Attitude +General Discipline
		CIA TOTAL	50%	Theory +Practical attendance
		Written Examination – End Semester Exam (ESE)		50%
TOTAL		100%		

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BOS
Chair Person

[Signature]
Dean
SOCSE

[Signature]
Associate Dean
Curriculum Development

[Signature]
Registrar
SUN
28/06/2023





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Semester – II

For the Batch: AY 23-24 onwards

Semester – II													For the Batch: AY 23-24 onwards												
S r. N o.	Catego ry	Course Code	Course Name	Teaching Scheme (Hrs./Week)				Examination Scheme				Total Marks													
				L	T	P	C	Formative Assessment CIA		Summati ve Assesse nt ESE															
								Course	Lab	Cour se	Lab														
Major(Mandatory + Electives)																									
1	Major	NYCI201	Object Oriented Programming using C++	3	--	--	3	50	--	100	--	100													
2	Major	NYCI202	Discrete Mathematics	3	--	--	3	50	--	100	--	100													
Minor:																									
3	Minor	NYCIM__	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	NYCI211	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	NYCI212	SUN Clubs	--	--	4	2	--	50	--	50	100													
TOTAL				12	--	20	22	200	300	400	300	1000													

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		CIA 4	10%	Behavioural Attitude +General Discipline Theory +Practical attendance
		CIA TOTAL	50%	
		Written Examination – End Semester Exam (ESE)		50%
TOTAL		100%		

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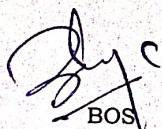


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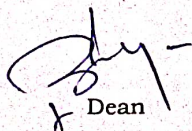
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NEP-2020 Course Structure

MINOR			
Sr. No	Semester	Course Code	Name of the course (Choose any One)
1	II	NYCIM01	Web Application Development Technologies
2	II	NYCIM02	Data Analytics using Advanced Excel

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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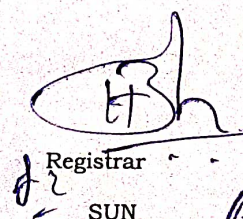
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