VIVEKANANDA GLOBAL UNIVERSITY, JAIPUR

(Established by Act 11/2012 of Rajasthan Govt. Covered u/s 2 (f) of UGC Act, 1956)

NAAC ACCREDITED

A+ UNIVERSITY

CDOE/2023-24/Nov/0042

Date: -29-11-2023

Centre for Distance and Online Education

Ref: HEI PRESENTATION – "Programme offered in conventional mode with same nomenclature"

Name of Programme: Bachelor of Computer Application (BCA)

This is to certify that:

a. Bachelor of Computer Application (BCA) programme proposed to be offered in the 'ODL' Mode from the AY 2023-24contains same nomenclature as per the programme offered in conventional mode.

b. Entry Level Qualifications for BCA Programme are as per the following:

Conventional Mode	ODL Mode
Passed in 12th Class from any Recognized Board or equivalent.	Passed in 12th Class from any Recognized Board or equivalent.

BCA programme proposed to be offered in the 'ODL' Mode from the AY 2023-24 contains **same 'Entry Level Qualifications'** as per the programme offered in conventional mode.

c. Curriculum
d. Teaching Learning Scheme

TEACHING LEARNING SCHEME FOR BCA IN CONVENTIONAL MODE

SEMESTER -I

S.No.	Course Code	Title	No. of Credits
1.	MAT195	Basic mathematics	4
2.	BCA101	Fundamental of C	4
3.	BCA102	Basic electronics	4
4.	BCA103	Principal of Programming languages	4

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Registrar

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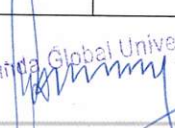
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5.	BCA104	Fundamental of C Lab	4
6.	BCA105	PC Software and Automation	2
7.	BCAEL1	Elective1 - Multimedia System	2
Total Credits			24

SEMESTER-II

S.No.	Course Code	Title	No. of Credits
1.	BCA201	Object oriented Programming with C++	4
2.	BCA202	Data Structure and Algorithms	4
3.	BCA203	Management Information System	4
4.	BCA204	Object oriented Programming with C++ Lab	4
5.	BCA205	Data Structure Lab	4
6.	BCA206	Soft Skill and Professional Aptitude	2
7.	BCAEL2	Elective2 - Basic Program in Entrepreneurship	2
Total Credits			24

SEMESTER-III

S.No.	Course Code	Title	No. of Credits
1.	BCA301	Database Management System	4
2.	BCA302	Computer Networks	4
3.	BCA303	Operating System	4
4.	BCAEL3	Elective3 Discrete Mathematics	2
5.	BCAEL4	Elective4 - Internet and Web Technologies	2
6.	BCA304	Database Management System Lab	4
7.	BCA305	Internet and Web Programming lab	4
Total Credits			24

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SEMESTER-IV

S.No.	Course Code	Title	No. of Credits
1.	BCA401	Programming Java	4
2.	BCA402	Artificial Intelligence	4
3.	BCA403	Computer Graphics and Visualization	4
4.	BCAEL5	Elective5 Machine Learning	2
5.	BCAEL6	Elective6 - Information System Security	2
6.	BCA404	Computer Graphics lab	4
7.	BCA405	Programming Java Lab	4
Total Credits			**24**

SEMESTER-V

S.No.	Course Code	Title	No. of Credits
1.	BCA501	Software engineering	4
2.	BCA502	Software engineering Lab	4
3.	BCA503	Python Programming	4
4.	BCA504	Python Programming Lab	4
5.	BCAEL7	Elective7 Distributed Systems	2
6.	BCAEL8	Elective8 Real Time Systems	2
7.	BCA505	Project Formulation and Appraisal	4
Total Credits			**24**

SEMESTER-VI

S.No.	Course Code	Title	No. of Credits
1.	BCA601	Major Project	4
2.	BCAEL9	Cybercrime and IT Law	4

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3.	BCAEL10	Software Project Management	4
4.	BCA504	Python Programming Lab	4
Total Credits			**18**

The curriculum, syllabi and teaching-learning scheme of BCA programme in the 'ODL' Mode from the AY 2023-24 will remain same as above to the BCA offered in Conventional mode.

e. **Pattern of Question Papers for Term End Examination in Conventional Mode**

Q.1	Objective Type / Short Answers Type	10 X 1 mark = 10 Marks
Q.2 to Q.6	Descriptive type Questions	5 X 10 marks = 50 Marks

The same pattern will be followed by the CDOE for conducting Term End Examination in ODL Mode.

f. **Pass or Fail Criteria**

The programmes offered by the University in conventional mode are based on Relative Grading Pattern. A detail is given below.

Statistical Method for Relative Grading

Lower Range of Marks	Grade Awarded, if marks falls in range		Upper Range of Marks
	UG	**PG**	
$\geq$Mean + 1.5 σ	O	O	---
$\geq$Mean + 1.0 σ	A+	A+	< Mean + 1.5 σ
$\geq$Mean + 0.5 σ	A	A	< Mean + 1.0σ
$\geq$Mean	B+	B+	< Mean + 0.5 σ
$\geq$Mean -0.5 σ	B	B	<Mean
$\geq$Mean – 1.0 σ	C	NC	< Mean -0.5 σ
-	NC	-	< Mean – 1.0 σ
-	Ab (Absent)	Ab (Absent)	-
-	W(Withdrawal)	W(Withdrawal)	-
-	GA(Grade Awaited)	GA(Grade Awaited)	-
-	S(Satisfactory)	S(Satisfactory)	-
-	X(Not Satisfactory)	X(Not Satisfactory)	-

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AWARD OF GRADES

The following are the general guidelines for the award of grades:

(a) All evaluations of different components of a course announced in the course plan shall be done in marks for each student.

(b) The marks of various components shall be added to get total marks secured on a 100-point scale for both theory courses and laboratory courses.

(c) The statistical method, wherever applicable, shall be used for the award of grades with or without marginal adjustment for natural cut-off. The overall distribution of different grades must be as indicated in the statistical distribution.

(d) No student having 40 % or more marks in UG programmes and 50% or more marks in PG programmes would be awarded grade 'NC'.

The same pattern will be followed by the University for offering programmes in 'ODL' Mode.

For Vivekananda Global University, Jaipur

(Dr. Praveen Choudhry)
Registrar