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VEER NARMAD SOUTH GUJARAT UNIVERSITY

University Campus, Udhna-Magdalla Road, SURAT - 395 007, Gujarat, India.

વીર નર્મદ દક્ષિણ ગુજરાત યુનિવર્સિટી

યુનિવર્સિટી કેમ્પસ, ઉદ્ધના-મગદલા રોડ, સુરત - ૩૯૫ ૦૦૭, ગુજરાત, ભારત.

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-: પરિપત્ર :-

બી.સી.એ.નો અભ્યાસક્રમ ચલાવતી સંલગ્ન કોલેજોના આચાર્યશ્રીઓને જણાવવાનું કે, શૈક્ષણિક વર્ષ ૨૦૨૦-૨૧ થી અમલમાં આવનાર B.C.A. Sem-I & II નો અભ્યાસક્રમ કોમ્પ્યુટર સાયન્સ વિષયની અભ્યાસસમિતિની તા.૧૮/૧૧/૨૦૧૯ ની સભાનાં ઠરાવ ક્રમાંક: ૩ અન્વયે નીમેલ પેટાસમિતિએ તૈયાર કરેલ અભ્યાસક્રમ ડીનશ્રીની ભલામણ મુજબ સદર અભ્યાસક્રમ શૈક્ષણિક વર્ષ ૨૦૨૦-૨૧ થી અમલમાં મુકી શકાય તે હેતુથી પ્રવર્તમાન પરિસ્થિતિને ધ્યાને લઈ અધીકાર મંડળોવતી માનનીય કુલપતિશ્રી ધ્વારા મંજૂર કરેલ છે. તેની જાણ સંબંધકર્તા શિક્ષકો અને વિદ્યાર્થીઓને કરવી, તદ્ઉપરાંત તેનો અમલ કરવો.

બિડાણ: ઉપર મુજબ

ક્રમાંક : એકે./પરિપત્ર/૩૯૬૦/૨૦

તા.૦૩/૦૬/૨૦૨૦

R. B. P. T. 1

05-06-2020

ઈ.ચા.કુલસચિવ

પ્રતિ,

૧) બી.સી.એ. નો અભ્યાસક્રમ ચલાવતી સંલગ્ન કોલેજોના આચાર્યશ્રીઓ.

૨) ડીનશ્રી, કોમ્પ્યુટર સાયન્સ એન્ડ ઈન્ફોર્મેશન ટેકનોલોજી વિદ્યાશાખા.

૩) પરીક્ષા નિયામકશ્રી, પરીક્ષા વિભાગ, વીર નર્મદ દ. ગુ. યુનિવર્સિટી, સુરત.

.....તરફ જાણ તેમજ અમલ સારૂ.

Syllabus for F.Y. B.C.A. (Sem-I and Sem-II)

To be implemented from
Academic Year: June, 2020

: Submitted By:

Syllabus Committee

- 1) Dr. Snehal K. Joshi (Chairman)**
- 2) Dr. Ashok Solanki**
- 3) Prof. Dhananjy Patel**
- 4) Prof. Vaibhav Desai**
- 5) Prof. Brijesh Mehta**
- 6) Dr. Kavita Ahuja**
- 7) Prof. Pratiksha Patel**
- 8) Mr. Indravadan Sadhwani**

Veer Narmad South Gujarat University, Surat
Bachelor of Computer Application (B.C.A.)
Under the Faculty of Computer Science, Application and Information
Technology

Name of Program:	Bachelor of Computer Application
Abbreviation:	B.C.A.
Duration:	3 Years (Regular)
Eligibility:	Candidate must have passed standard 12th (H.S.C.) Examination in Science (Any Group) / Commerce / vocational / General stream through Gujarat Higher Secondary Board (G.H.S.E.B.) or any other equivalent board (C.B.S.E. / I.C.S.E. etc. which must be approved and possess equivalence certificate from Veer Narmad South Gujarat University) with English as one of the subject. In case of candidates passed out from 12th (H.S.C.) General Stream, Statistics/Economics/Business Mathematics must be one of the subjects. In case of Students passed out with 12th (H.S.C.) vocational stream, Computer and English must be one of the subject.
Objective of the Program:	<p>Objective of the program is to open a channel of admission for courses in Computer Science for students who have completed standard 12th (H.S.C.) and are interested in taking computing/IT as a career.</p> <p>The program caters to the needs of the students aspiring to excel in the field of computer science. The program is designed to develop computer professionals versatile in almost all field of computer application. The main emphasis of the course is an applied computer use in various fields.</p>
Program Outcome:	It will prepare the aspiring students to become computer programmers who can work in companies at entry level and can also work independently.
Medium of Instruction:	English
Program Structure:	Semester-wise Breakup of the course is given as follows :

Program Structure: F.Y.B.C.A. (SEM – 1 and SEM – 2)
(w.e.f. Academic Year June, 2020 – 2021)

Course Code	Title	Teaching Per Week (Credit/Hours)		Course Credits	University Examination		Internal Marks	Total Marks
		Theory	Practical		Duration	Marks		
101	Communication Skills	2	0	02	3 Hours	70	30	100
102	Mathematics	3	0	03	3 Hours	70	30	100
103	Introduction to Computers	4	0	04	3 Hours	70	30	100
104	Computer Programming & Programming Methodology (CPPM)	4	0	04	3 Hours	70	30	100
105	Data Manipulation and Analysis	4	0	04	3 Hours	70	30	100
106	Practical	-	12	06	5 Hours	140	60	200
	Foundation Elective (to be selected from NCC / NSS / Saptadhara)	0	0	02				
Total				25		490	210	700

Course Code	Title	Teaching Per Week (Credit/Hours)		Course Credits	University Examination		Internal Marks	Total Marks
		Theory Hours	Practical Hours		Duration	Marks		
201 – 1	Organizational Structure & Behavior	2	0	2	3 Hours	70	30	100
201 - 2	Introduction to Internet & HTML							
202 - 1	Computerized Financial Accounting	3	0	3	3 Hours	70	30	100
202 - 2	Emerging Trends and Information Technology							
203	Operating System - I	4	0	4	3 Hours	70	30	100
204	Programming Skills	4	0	4	3 Hours	70	30	100
205	Concepts of Relational Database Management System	4	0	4	3 Hours	70	30	100
206	Practical	0	12	06	5 Hours	140	60	200
	Foundation Elective (to be selected from NCC / NSS / Saptadhara)	0	0	02				
Total				25		490	210	700

For Practical: (Batch Size –30 Maximum) : 1.In case of more than 10 students in a batch, separate batch should be considered.2.The journal should be certified by the concerned faculty and also by the Head of the Department, failing which the student should not be allowed to appear for the External Practical Examination.
Programming passing rules: As per University rules.