



VIVEKANANDA GLOBAL UNIVERSITY, JAIPUR

(Established by Rajasthan State Legislature and covered u/s 2(f) of the UGC Act, 1956)

FACULTY OF ENGINEERING & TECHNOLOGY

SCHEME & SYLLABUS

FOR

Diploma (Computer Science & Engineering)

(Implemented from Academic session 2018-19 and also for students admitted in 2015-16, 2016-17 and 2017-18)

Sem	III	IV	V	VI	Total
Credits	24	23	21	21	89

Total Credits: 49 (I & II Semester) + 89 (III to VI Semester) = 138

SESSION: 2018-19

VIT Campus, Sector-36, NRI Road, Sisyawas, Jagatpura, Jaipur (Raj.)-303012

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VIVEKANANDA GLOBAL UNIVERSITY, JAIPUR
TEACHING AND EXAMINATION SCHEME FOR
DIPLOMA
(COMPUTER SCIENCE & ENGINEERING)

SEMESTER-III

Course Code	Course Type	Course Name	Teaching Scheme			Total Hours	Credit
			L*	T*	P*		
DEC 301	OE	Digital Electronics	2	1	-	3	2.5
DEC 302	OE	Electronics Devices and Circuits	3	-	-	3	3
DCS 301	PC	Basic of Computer Programming	3	-	-	3	3
DCS 302	PC	Computer Architecture-I	3	-	-	3	3
DCS 303	PC	Operating System	3	1	-	4	3.5
ENG 112	ENG	Advance Soft Skills	-	-	2	2	1
DCS 304	PC	Basic of Computer Programming Lab	-	-	4	4	2
DCS 305	PC	Operating System Lab	-	-	2	2	1
DEC 303	OE	Digital Electronics lab	-	-	4	4	2
DEC 304	OE	Electronics Device & Circuit Lab	-	-	4	4	2
DCS 306	PC	PC Maintenance & Troubleshooting-I	-	-	2	2	1
Total			14	2	18	34	24

L*-Lecture, T*-Tutorial, P*-Practical

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SEMESTER- IV

Course Code	Course Type	Course Name	Teaching Scheme			Total Hours	Credit
			L*	T*	P*		
DCS 401	PC	Internet & Web Technologies	3	-	-	3	3
DCS 402	PC	Computer Programming Using C	2	1	-	3	2.5
DCS 403	PC	Linux & Shell Programming	2	1	-	3	2.5
DCS 404	PC	Computer Architecture-II	2	1	-	3	2.5
DCS 405	PC	Computer Graphics	2	1	-	3	2.5
MGT 110	HSM	General Aptitude	-	-	2	2	1
DCS 406	PC	Computer Programming Using C Lab	-	-	4	4	2
DCS 407	PC	Linux & Shell Programming Lab	-	-	4	4	2
DCS 408	PC	Computer Graphics Lab	-	-	4	4	2
DCS 409	PC	Internet Programming Lab	-	-	4	4	2
DCS 410	PC	PC Maintenance & Troubleshooting-II	-	-	2	2	1
Total			11	4	20	35	23

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SEMESTER-V

Course Code	Course Type	Course Name	Teaching Scheme			Total Hours	Credit
			L*	T*	P*		
DCS 501	PC	Data Structure & Algorithm	2	1	-	3	2.5
DCS 502	PC	Object Oriented Programming through C++	2	1	-	3	2.5
DCS 503	PC	Computer Networks-I	3	-	-	3	3
DCS 504	PC	Database Management System	3	-	-	3	3
DCS 506	PC	Data Structure Lab	-	-	3	3	2
DCS 507	PC	Object Oriented Programming Lab	-	-	3	3	2
DCS 508	PC	Database Management Lab	-	-	3	3	2
DCS 510	PR	Project work & Industrial Visit-I	-	-	6	6	3
DCS 511	PC	CRT Technical-I	-	-	2	2	1
Total			10	2	17	29	21

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**TEACHING AND EXAMINATION SCHEME FOR
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(COMPUTER SCIENCE & ENGINEERING)**

SEMESTER-VI

Course Code	Course Type	Course Name	L*	T*	P*	Contact Hours/Week	Credit
DCS 601	PC	Programming in JAVA	3	-	-	3	3
DCS 602	PC	Advanced Database Management System	3	-	-	3	3
DCS 603	PC	Computer Network-II	2	1	-	3	2.5
MAT 133	BS	Graph Theory	3	1	-	4	3.5
DCS 604	PC	Programming in Java Lab	-	-	3	3	2
DCS 605	PC	Advanced Database Management Lab	-	-	3	3	2
DCS 606	PR	Project work & Industrial Visit-II	-	-	6	6	4
DCS 607	PC	CRT Technical-II	-	-	2	2	1
Total			11	2	14	27	21

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