University of Global Village (UGV)

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Course Structure of B.Sc. In Computer Science & Engineering (CSE)
(Regular Program)

Semester	Course Code	Course Title	Credits	Credits/Semester
1st	CSE-101	Introduction to Computer & Programming	3	24
	CSE-102	Introduction to Computer & Programming Lab	1	
	CSE-103	Structured Programming	2	
	CSE-104	Structured Programming Lab	1	
	CSE-105	Electrical Circuits	3	
	CSE-106	Electrical Circuits Lab	1	
	MATH-1-1011	Mathematics-1	3	
	ENG-1-902	Basic English	3	
	PHYS-1014	Physics-I	3	
	PHYS-1015	Physics-I Lab	1	
	BDS-907	Bangladesh Studies	2	
	SAP-101	Student Attachment and Project-I	1	
2nd	CSE-107	Principles of Electronics	3	22
	CSE-108	Principles of Electronics Lab	1	
	CSE-109	Digital Electronics	3	
	CSE-110	Digital Electronics Lab	1	
	CSE-111	Data Structure	3	
	CSE-112	Data Structure Lab	1	
	MATH-II-1012	Mathematics-II	3	
	ENG-II-903	Advanced English	3	
	STS-907	Applied Statistics	3	
	SAP-102	Student Attachment and Project-II	1	
3rd	CSE-201	Computer Organization & Architecture	3	22
	CSE-202	Database Management System	3	
	CSE-203	Database Management System Lab	1	
	CSE-204	Introduction to Operating System	3	
	CSE-205	Introduction to Operating System Lab	1	
	CSE-206	Discrete Mathematics	3	
	CSE-207	Algorithm Design	3	
	CSE-208	Algorithm Design Lab	1	
	MATH-III-1013	Mathematics-III	3	
	SAP-201	Student Attachment and Project-III	1	
4th	CSE-209	Object Oriented Programming	3	21
	CSE-210	Object Oriented Programming Lab	1	
	CSE-211	Microprocessor & Assembly Language	3	
	CSE-212	Microprocessor & Assembly Language Lab	1	
	CSE-213	Theory of Computing	3	
	CSE-214	Communication Engineering	2	
	CSE-215	System Analysis & Design	3	
	CSE-216	System Analysis & Design Lab	1	
	ACN-1008	Principles of Accounting	3	
	SAP-202	Student Attachment and Project-IV	1	

5th	CSE-301	Compiler Design	2	21
	CSE-302	Compiler Design Lab	1	
	CSE-303	Data & Telecommunication	3	
	CSE-304	Object Oriented Analysis & Design	3	
	CSE-305	Object Oriented Analysis & Design Lab	1	
	CSE-306	Software Engineering	3	
	CSE-307	Computer Graphics	2	
	CSE-308	Computer Graphics Lab	1	
	CSE-309	Digital Signal Processing	3	
	CSE-310	Digital Signal Processing Lab	1	
	SAP-301	Student Attachment and Project-V	1	
6th	CSE-311	Computer Network & Security	3	21
	CSE-312	Computer Network & Security Lab	1	
	CSE-313	Parallel & Distributed Processing	3	
	CSE-314	Computer Peripherals & Interfacing	3	
	CSE-315	Computer Peripherals & Interfacing Lab	1	
	CSE-316	Management Information System	3	
	CSE-317	Multimedia Application	2	
	CSE-318	Multimedia Application Lab	1	
	CSE***	Elective-I	3	
	SAP-302	Student Attachment and Project-VI	1	
7th	CSE-401	RDBMS Programming	2	21
	CSE-402	RDBMS Programming Lab	1	
	CSE-403	Internet Working & Web Design	2	
	CSE-404	Internet Working & Web Design Lab	1	
	CSE-405	Artificial Intelligence	3	
	CSE-406	Artificial Intelligence Lab	1	
	CSE-407	Advance Computer Architecture	3	
	CSE-411	VLSI Design	3	
	CSE-412	VLSI Design Lab	1	
	CSE***	Elective-II	3	
	SAP-401	Student Attachment and Project-VII	1	
8th	CSE-409	Pattern Recognition	3	19
	CSE-410	Pattern Recognition Lab	1	
	CSE***	Elective-III	3	
	CSE***	Elective-IV	3	
	CSE***	Elective-V	3	
	CSE-408	Research & Project	4	
	CSE-413	Internship	2	

Total = 171 Credit