



Raffles University, Neemrana

School of Engineering and Technology

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

SCHEME OF B.Tech. (COMPUTER SCIENCE & ENGINEERING) (2017-21)

Year: II

Semester: III

S. No.	Sub Code	Name of the Subject	Teaching Hours (Per Week)			Max. Marks				Credits
			L	T	P	TA	CA	ESE	Total	
1	CS-301	Applied Mathematics III	3	1		20	20	60	100	4
2	CS-302	Data Structure Using C	3	1		20	20	60	100	4
3	CS-303	Computer Architecture & Organization	3	1		20	20	60	100	4
4	CS-304	Principles of Management	3			20	20	60	100	3
5	CS-305	Object Oriented Programming Through C++	3	1		20	20	60	100	4
6	CS-306	UNIX & Shell Programming	4			20	20	60	100	4
Total			22	4		120	120	360	600	23
Practicals										
7	CS-P-302	Data Structures Using C Practical			2	30	30	40	100	1
8	CS-P-305	Object Oriented Programming Through C++ Practical			2	30	30	40	100	1
9	CS-P-306	Shell Programming Practical			2	30	30	40	100	1
10	CS-P-307	Hardware Maintenance and Trouble Shooting Practical			2	30	30	40	100	1
11	CS-P-308	Seminar/GP							100	1
Total					8	120	120	160	500	5
Grand Total									1100	28

**HOD
CSE**

**DEAN
SOE&T**



Raffles University, Neemrana
School of Engineering and Technology

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

SCHEME OF B.Tech. (COMPUTER SCIENCE & ENGINEERING) (2017-21)

Year: II

Semester: IV

S. No.	Sub Code	Name of the Subject	Teaching Hours (Per Week)			Max. Marks				Credits
			L	T	P	TA	CA	ESE	Total	
1	CS-401	Graph Theory & Combinatorics	3	1		20	20	60	100	4
2	CS-402	Microprocessor Based Systems	4			20	20	60	100	4
3	CS-403	System Programming	3	1		20	20	60	100	4
4	CS-404	Theory of Computation	3	1		20	20	60	100	4
5	CS-405	Embedded Systems	3			20	20	60	100	3
6	CS-406	Data Communication	3	1		20	20	60	100	4
Total			19	4		120	120	360	600	23
Practicals										
7	CS-P-402	Microprocessor Based Systems Practical			2	30	30	40	100	1
8	CS-P-403	System Programming Lab			2	30	30	40	100	1
9	CS-P-405	Embedded Systems Practical			2	30	30	40	100	1
10	CS-P-406	Data Communication Practical			2	30	30	40	100	1
11	CS-P-407	Seminar/GP							100	1
Total					8	120	120	160	500	5
Grand Total									1100	28

HOD
CSE

DEAN
SOE&T



Raffles University, Neemrana

School of Engineering and Technology

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

SCHEME OF B.Tech. (COMPUTER SCIENCE & ENGINEERING) (2017-21)

Year: III

Semester: V

S. No.	Sub Code	Name of the Subject	Teaching Hours (Per Week)			Max. Marks				Credits
			L	T	P	TA	CA	ESE	Total	
1	CS-501	Operating Systems	3	1		20	20	60	100	4
2	CS-502	Computer Networks	3	1		20	20	60	100	4
3	CS-503	Database Management Systems	4			20	20	60	100	4
4	CS-504	Software Engineering	3	1		20	20	60	100	4
5	CS-505	Principles of Programming Languages	3			20	20	60	100	3
6	CS-506	Computer Graphics	3	1		20	20	60	100	4
Total			19	4		120	120	360	600	23
Practicals										
7	CS-P-502	Computer Networks Practical			2	30	30	40	100	1
8	CS-P-503	Database Management Systems Practical			2	30	30	40	100	1
9	CS-P-504	Software Tools Lab			2	30	30	40	100	1
10	CS-P-506	Computer Graphics Practical			2	30	30	40	100	1
11	CS-P-507	Seminar/GP							100	1
Total					8	120	120	160	500	5
Grand Total									1100	28

HOD
CSE

DEAN
SOE&T



Raffles University, Neemrana

School of Engineering and Technology

RAFFLES
UNIVERSITY

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

SCHEME OF B.Tech. (COMPUTER SCIENCE & ENGINEERING) (2017-21)

Year: III

Semester: VI

S. No.	Sub Code	Name of the Subject	Teaching Hours (Per Week)			Max. Marks				Credits
			L	T	P	TA	CA	ESE	Total	
1	CS-601	Distributed Databases	4			20	20	60	100	4
2	CS-602	Design & Analysis of Algorithm	3	1		20	20	60	100	4
3	CS-603	Data Mining & Warehousing	3			20	20	60	100	3
4	CS-604	Parallel and Distributed Computing	3	1		20	20	60	100	4
5	CS-605	Java Programming	3	1		20	20	60	100	4
6	CS-606	Language Processor	3	1		20	20	60	100	4
Total			19	4		120	120	360	600	23
Practicals										
7	CS-P-602	Design & Analysis of Algorithm Practical			2	30	30	40	100	1
8	CS-P-605	Java Programming Practical			2	30	30	40	100	1
9	CS-P-606	Language Processor Practical			2	30	30	40	100	1
10	CS-P-607	Open Source Tool Lab			2	30	30	40	100	1
11	CS-P-607	Seminar/GP							100	1
Total					8	120	120	160	400	5
Grand Total									1000	28

HOD
CSE

DEAN
SOE&T



Raffles University, Neemrana

School of Engineering and Technology

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

SCHEME OF B.Tech. (COMPUTER SCIENCE & ENGINEERING) (2017-21)

Year: IV

Semester: VII

S. No.	Sub Code	Name of the Subject	Teaching Hours (Per Week)			Max. Marks				Credits
			L	T	P	TA	CA	ESE	Total	
1	CS-701	Advanced Computer Architecture	3	1		20	20	60	100	4
2	CS-702	Network Security & Cryptography	3	1		20	20	60	100	4
3	CS-E-703	Elective-I	4			20	20	60	100	4
4	CS-E-704	Elective-II	3	1		20	20	60	100	4
5	CS-E-705	Elective-III	3	1		20	20	60	100	4
Total			16	4		100	100	300	500	20
Practicals										
6	CS-P-702	Network Security & Cryptography Practical			2	30	30	40	100	1
7	CS-I-706	Industrial Project Phase-I			10	50	50	400	500	7
Total					12	80	80	440	600	8
Grand Total									1100	30

Elective-I (E703):
Advanced Database Management System
Real Time System
Wireless Communication & Network

Elective-II (E-704):
Digital Image Processing
Hardware Testing & Fault Tolerance
Information Theory & Coding

Elective-III (E-705):
Software Project Management
Embedded System Design
Data Compression Technique

HOD
CSE

DEAN
SOE&T



Raffles University, Neemrana

School of Engineering and Technology

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

SCHEME OF B.Tech. (COMPUTER SCIENCE & ENGINEERING) (2017-21)

Year: IV

Semester: VIII

S. No.	Sub Code	Name of the Subject	Teaching Hours (Per Week)			Max. Marks				Credits
			L	T	P	TA	CA	ESE	Total	
1	CS-801	Artificial Intelligence & Expert Systems	3	1		20	20	60	100	4
2	CS-802	Cloude Computing	4			20	20	60	100	4
3	CS-803	Cyber Laws	4			20	20	60	100	4
4	CS-804	Computer System Security	3	1		20	20	60	100	4
Total			14	2		80	80	240	400	16
Practicals										
7	CS-P-804	Computer System Security Practical			2	30	30	40	100	1
8	CS-IP-II-805	Industrial Project Phase-II			14	50	150	400	600	11
Total					16	80	180	440	700	12
Grand Total									1100	28

HOD
CSE

DEAN
SOE&T