

NOORUL ISLAM CENTRE FOR HIGHER EDUCATION, KUMARACOIL
BACHELOR OF COMPUTER APPLICATIONS (B.C.A)
CURRICULAM & SYLLABUS
REGULATION – 2022
SEMESTER – I

S. No.	Course Title	L	T	P	C
1.	Tamil / Malayalam / Hindi - I	3	0	0	3
2.	English - I	3	0	0	3
3.	Discrete Mathematics	3	1	0	4
4.	Programming in C	3	1	0	4
5.	Digital Electronics	3	1	0	4
6.	Value Based Education	2	0	0	2
PRACTICAL					
7.	C Programming Lab	0	0	2	2
8.	Office Automation Laboratory - I	0	0	2	2
Total					24

SEMESTER – II

S. No.	Course Title	L	T	P	C
1.	Tamil / Malayalam / Hindi - II	3	0	0	3
2.	English - II	3	0	0	3
3.	Mathematical Foundations of Computer Science	3	1	0	4
4.	Object Oriented Programming Using C++	3	1	0	4
5.	Computer Architecture	3	1	0	4
6.	Environmental Studies	2	0	0	2
PRACTICAL					
7.	Object Oriented Programming Lab	0	0	2	2
8.	Office Automation Laboratory - I I	0	0	2	2
Total					24

SEMESTER – III

S. No.	Course Title	L	T	P	C
1.	Programming with Java	3	1	0	4
2.	Web Designing	3	1	0	4
3.	Fundamentals of Statistics	3	1	0	4
4.	Software Engineering	3	0	0	3
5.	Operating Systems	3	1	0	3
6.	Professional English	2	0	0	2
PRACTICAL					
7.	Java Programming Lab	0	0	2	2
8.	Web Designing Lab	0	0	2	2
Total					24

SEMESTER – IV

S. No.	Course Title	L	T	P	C
1.	Data Structures and Algorithms	3	1	0	4
2.	Computer Networks	4	0	0	4
3.	Elective I	4	0	0	4
4.	Python Programming	3	1	0	4
5.	Communicative English	2	0	0	2
PRACTICAL					
6.	Data Structures Lab	0	0	2	2
7.	Python Programming Lab	0	0	2	2
Total					22

SEMESTER – V

S. No.	Course Title	L	T	P	C
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1.	PHP Programming	3	1	0	4
2.	Relational Data Base Management Systems	3	1	0	4
3.	Elective II	4	0	0	4
4.	Artificial Intelligence	3	0	0	3
5.	Financial Accounting	3	1	0	4
PRACTICAL					
6.	PHP Programming Lab	0	0	2	2
7.	RDBMS Lab	0	0	2	2
8.	Tally Lab	0	0	2	2
Total					25

SEMESTER – VI

S. No.	Course Title	L	T	P	C
1.	Computer Graphics and Multimedia	3	1	0	4
2.	R Programming	3	1	0	4
3.	Elective III	4	0	0	4
PRACTICAL					
4.	Graphics and Multimedia Lab	0	0	2	2
5.	R Programming Lab	0	0	2	2
6.	Project Work	0	0	14	7
Total					23

Elective I

S. No.	Course Title	L	T	P	C
1.	Financial Accounting	4	0	0	4
2.	Management Information Systems	4	0	0	4
3.	E-Commerce	4	0	0	4
4.	Human Resource Management	4	0	0	4

Elective II

S. No.	Course Title	L	T	P	C
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1.	Data Mining and Data Warehousing	4	0	0	4
2.	Cloud Computing	4	0	0	4
3.	Big Data Analytics	4	0	0	4
4.	Software Testing	4	0	0	4

Elective III

S. No.	Course Title	L	T	P	C
1.	Object Oriented Analysis and Design	4	0	0	4
2.	Client Server Computing	4	0	0	4
3.	Enterprise Resource Planning	4	0	0	4
4.	Distributed Computing	4	0	0	4

Total Courses: 42

Total Credits: 142