

Pokhara University
Bachelor of Engineering in Information Technology
Curriculum Structure- 2022

Year	I	Semester I				
S. N.	Course Code	Subject	Credit	Lecture	Tutorial	Practical
1	PHY 110	Applied Physics	3	3	1	2
2	ELE 120	Basic Electrical Engineering	3	3	1	2
3	MTH 110	Calculus - I	3	3	2	0
4	ELX 120	Electronics Devices and Circuits	3	3	1	2
5	MTH 120	Problem Solving Techniques	3	3	1	0
6	CMP 124	Programming in C	3	3	1	3
		Sub Total	18	18	7	9
Year	I	Semester II				
S. N.	Course Code	Subject	Credit	Lecture	Tutorial	Practical
1	MTH 150	Algebra and Geometry	3	3	2	0
2	MEC 116	Basic Engineering Drawing	1	0	0	3
3	ENG 110	Communication Techniques	2	2	2	0
4	CMP 122	Computer Workshop	1	0	0	3
5	ELX 110	Digital Logic	3	3	1	2
6	CMP 116	Discrete Structure	3	3	1	0
7	CMP 162	Object Oriented Programming in C++	3	3	1	3
		Sub Total	16	14	7	11
Year	II	Semester III				
S. N.	Course Code	Subject	Credit	Lecture	Tutorial	Practical
1	CMP 228	Advanced Programming with JAVA	3	3	1	3
2	MTH 210	Calculus - II	3	3	2	0
3	CMP 160	Data Structure and Algorithms	3	3	1	3
4	ELE 172	Instrumentation	3	3	1	2
5	MTH 216	Probability and Statistics	2	2	2	0
6	CMP 230	Software Engineering Fundamentals	3	3	1	2
		Sub Total	17	17	8	10
Year	II	Semester IV				
S. N.	Course Code	Subject	Credit	Lecture	Tutorial	Practical
1	MTH 250	Applied Mathematics	3	3	2	0
2	CMP 266	Applied Operating Systems	3	3	1	2
3	CMP 222	Database Management System	3	3	1	3
4	ELX 176	Microprocessor and Computer Architecture	3	3	1	2
5	CMP 268	System Administration and IT Infrastructure Services	2	2	1	2
6	CMP 168	Web Technology	3	3	1	3
		Sub Total	17	17	7	12
Year	III	Semester V				
S. N.	Course Code	Subject	Credit	Lecture	Tutorial	Practical
1	CMP 234	Computer Graphics	3	3	1	2
2	MGT 332	Entrepreneurship and Professional Practice	2	2	1	0
3	CMP 328	IT Architecture	3	3	1	2
4	CMP 333	Multimedia Systems	2	2	1	2
5	MTH 252	Numerical Methods	2	2	1	2
6	CMP 270	Research Fundamentals	2	2	0	2
7	CMM 320	Signal, System and Processing	3	3	0	2
		Sub Total	17	17	5	12
Year	III	Semester VI				
S. N.	Course Code	Subject	Credit	Lecture	Tutorial	Practical
1	CMP 344	Computer Networks	3	3	1	2
2	CMM 220	Data Communication	3	3	1	2
3	CMP 360	Data Science and Analytics	3	3	1	2
4		Elective	3	3	1	2
5	MGT 320	Engineering Management	2	2	1	0
6	CMP 370	Internet of Things	2	2	1	2
7	PRJ 360	Project I	1	0	0	2
		Sub Total	17	16	6	12
Year	IV	Semester VII				
S. N.	Course Code	Subject	Credit	Lecture	Tutorial	Practical
1		Elective II	3	3	1	2
2	MGT 250	Engineering Economics	3	3	1	0
3	CMP 428	ICT Project management	3	3	1	0
4	CMP 444	Information Systems	3	3	0	2
5	CMP 432	Intelligent system	3	3	0	2
6	CMP 434	IT System Security	3	3	1	2
		Sub Total	18	18	4	8
Year	IV	Semester VIII				
S. N.	Course Code	Subject	Credit	Lecture	Tutorial	Practical
1		Elective III	3	3	1	2
2	INT 494	Internship	3	0	0	6
3	PRJ 452	Project II	3	0	0	6
		Sub Total	9	3	1	14
		Total	129			