

CHMO Level Syllabus

Module Code	Module	Learning Hours (Theory)	Learning Hours (Practical/ Tutorials/ Project)	Total Learning Hours
Semester I				
H1	PC Hardware & Components	30	30	60
H2	PC Architecture	30	20	50
H3	Advanced networks and Networking Peripherals	40	40	80
Semester II				
H4	Operating System, Software & Tools	40	40	80
H5	Personality Development	34	16	50
H6	Devices and Applications	40	40	80
Total		214	186	400

H1 :PC Hardware & Components

SI	Module Unit	Theory Hours
1.	PC hardware	6
2.	Primary Memory	6
3.	Secondary storage	6
4.	Power Supply	6
5.	Cabinet types	6
Total		30

SI	Module Unit	Practical Hours
1.	Hardware Components Identification	5
2.	System Integration	5
3.	OS and Application Software Installation	10
4.	Troubleshooting	10
Total		30

H2 :PC Architecture

SI	Module Unit	Theory Hours
1.	Introduction to Microprocessor	6
2.	ARM PROCESSORS	12
3.	Troubleshooting & General PC Problems	12
Total		30

SI	Module Unit	Practical Hours
1.	Practical of H2	20
Total		20

H3 :Advanced networks and networking peripherals

SI	Module Unit	Theory Hours
1.	Networking Basics	6
2.	Network components & Management	8
3.	Data Communication, protocols and filters	6
4.	Transmission Media and Networking Connectivity Hardware	5
5.	Types of Internet connections and protocols	4
6.	Network services	6
7.	Network security	5
Total		40

SI	Module Unit	Practical Hours
1.	Practical of H3	40
Total		40

H4 :Operating System, Software & Tools

SI	Module Unit	Theory Hours
1.	Basics of Operating System	5
2.	Memory management and file systems	5
3.	Operating system Back-up and restore	4
4.	Advanced operating system concepts	6
5.	Viruses & anti-viruses	4
6.	Operating system security	4
7.	Introduction to Software and software engineering	12
Total		40

SI	Module Unit	Practical Hours
1.	Practical of H4	40
Total		40

H5 :Personality Development

SI	Module Unit	Theory Hours
1.	Personality Development	5
2.	Self Esteem and Stress Management	9
3.	Communication	10
4.	Emergencies and management	5
5.	Environmental Studies	5
Total		34

SI	Module Unit	Practical Hours
1.	Practical of H5	16
Total		16

H6 :Devices and Applications

SI	Module Unit	Theory Hours
1.	Input Devices and Applications	8
2.	Display devices classification and its use	6
3.	Output Devices and Applications	8
4.	Secondary Storage Device media and Applications	8
5.	Trouble Shooting related to device and its use	10
Total		40

SI	Module Unit	Practical Hours
1.	Practical of H6	40
Total		40