

St. Francis Xavier's College
2021/2022
Computer Literacy
Course Outline

Level: F.2

Term.Seq	Topic / Main Theme	Mode	No. of lessons
1.1	Google Drive for Project Learning (II) - Google Form - Google Sheet <ul style="list-style-type: none"> ● Sorting and Filtering ● Auto-filling ● Conditional Formatting ● Relative and Absolute Referencing ● Sum, Average, Max, Min, Count, If, Charts ● Data validation and data verification ● Data control ● Data manipulation ● Presentation of information 	Flipped Classroom	9
1.2	Basic Programming with Python - Syntax, operators, global and local variables, data types, control flow - Iterations, Turtle module, LED control - User-defined functions, passing of parameters - Tkinter GUI - File manipulation	Lesson	15
1.3+2.1	* <i>STEM with IoT</i> - Programming for NODEMCU - Developing IoT with BLYNK - Applications of IoT	Lesson	3+12
	● Online Assignment (100%): Google Sheet, Google Form and Python	Assessment	
2.2	Image Editing - Image concepts and fundamentals - Basic Drawing Techniques and Text - Cloning and Selection Techniques - Image Transformation - Effect Setting	Lesson	8
2.3	* <i>Video Editing</i> - Scene and Recording Device - Frame Rate, Bit Rate, Video Format - Basic Effects	Lesson	7
	● Group Project (40%): Music Video Production ● Individual Project (20%): Image Editing ● Practical Assignment (40%): IoT	Assessment	

Term 1 Modes of Assessment and weighting:

Modes	Group Project	Individual Project	Written Examination	Online Assignment
Weights	0%	0%	0%	100%

Term 2 Modes of Assessment and weighting:

Modes	Group Project	Individual Project	Written Examination	Practical Assignment
Weights	40%	20%	0%	40%

Remarks:

* -- *topics with STEM elements*