

St. Francis Xavier's College
2024/2025
Computer Literacy
Course Outline

Level: F.2

Term	Topics / Main Theme	Mode	No. of Lessons
1	Collaborative Productivity Software (II) <ul style="list-style-type: none"> - Google Form <ul style="list-style-type: none"> ● Form decorations ● Form settings ● Send form via link ● Question types ● Response validation - 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 	Lesson + Self-directed learning	14
1	Artificial Intelligence (III) <ul style="list-style-type: none"> - AI Basics (II) <ul style="list-style-type: none"> ● Model Training and Testing ● Problems in Training Data ● Artificial Neural Networks ● Generative AI - Computer Visions (II) 		2
1	<i># Apps Programming</i> <ul style="list-style-type: none"> - Planning of design - Programming concepts - Multimedia elements - Iteration concepts - Sensors - Analysis of image with AI - Use of TTS 		14
	<ul style="list-style-type: none"> ● Group Project (50%): Apps for daily life purposes ● Assignment (50%): Adventure Book (30%) + Google Sheets (20%) 		
2	Artificial Intelligence (IV) <ul style="list-style-type: none"> - AI Ethical Issues - Computer Speech and Language (II) - AI and Future of Works (I) - Social Impact of AI (I) 		4
2	Image Editing <ul style="list-style-type: none"> - Image concepts and fundamentals - Basic Drawing Techniques and Text - Cloning and Selection Techniques - Image Transformation 		12

	<ul style="list-style-type: none"> - Effect Setting - Auto draw with AI 		
2	<i># Video Editing</i> <ul style="list-style-type: none"> - Scene and Recording Device - Frame Rate, Bit Rate, Video Format - Basic Effects 		12
	<ul style="list-style-type: none"> ● Individual Project (50%): Image editing ● Group Project (50%): Cross-curricular video editing 		

Term 1 Modes of Assessment and weighting:

Modes	Group Project	Individual Project	Online Assignment
Weights	50%	30%	20%

Term 2 Modes of Assessment and weighting:

Modes	Group Project	Individual Project	Online Assignment
Weights	50%	50%	0%

Remarks:

-- topics with STEM elements