

**St. Francis Xavier's College**  
**2023/2024**  
**Computer Literacy**  
**Course Outline**

**Level: F.2**

<b>Term &amp; Seq.</b>	<b>Topics / Main Theme</b>	<b>Mode</b>	<b>No. of Lessons</b>
1.1	Collaborative Productivity Software (II) <ul style="list-style-type: none"> <li>- Google Form</li> <li>- Google Sheet               <ul style="list-style-type: none"> <li>● Sorting and Filtering</li> <li>● Auto-filling</li> <li>● Conditional Formatting</li> <li>● Relative and Absolute Referencing</li> <li>● Sum, Average, Max, Min, Count, If, Charts</li> <li>● Data validation and data verification</li> <li>● Data control</li> <li>● Data manipulation</li> <li>● Presentation of information</li> </ul> </li> </ul>	Lesson + Self-directed learning	16
1.2	Artificial Intelligence (III) <ul style="list-style-type: none"> <li>- AI Basics (II)               <ul style="list-style-type: none"> <li>■ Model Training and Testing</li> <li>■ Problems in Training Data</li> <li>■ Artificial Neural Networks</li> <li>■ Generative AI</li> </ul> </li> <li>- Computer Visions (II)</li> </ul>		2
1.3	Image Editing <ul style="list-style-type: none"> <li>- Image concepts and fundamentals</li> <li>- Basic Drawing Techniques and Text</li> <li>- Cloning and Selection Techniques</li> <li>- Image Transformation</li> <li>- Effect Setting</li> <li>- Auto draw with AI</li> </ul>		12
2.1	Artificial Intelligence (IV) <ul style="list-style-type: none"> <li>- AI Ethical Issues</li> <li>- Computer Speech and Language (II)</li> <li>- AI and Future of Works (I)</li> <li>- Social Impact of AI (I)</li> </ul>		4
2.2	* <i>Apps Programming</i> <ul style="list-style-type: none"> <li>- Planning of design</li> <li>- Programming concepts</li> <li>- Multimedia elements</li> <li>- Iteration concepts</li> <li>- Sensors</li> <li>- Analysis of image with AI</li> <li>- Use of TTS</li> </ul>		14
2.3	* <i>Video Editing</i> <ul style="list-style-type: none"> <li>- Scene and Recording Device</li> <li>- Frame Rate, Bit Rate, Video Format</li> <li>- Basic Effects</li> </ul>		12

Term 1 Modes of Assessment and weighting:

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

Term 2 Modes of Assessment and weighting:

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