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

**Level: F.3**

| Term & Seq. | Topics / Main Theme | No. of lessons |
|---|---|---|
| 1.1 | Computer System, Computer Networks and Information Systems<br>- Computer Systems & Future Development of Computer Technology<br>- Computer Networks & Wireless Networks<br>- Information Processing | 10 (single lessons) |
| 1.2 | Python and AI<br>- Daily Applications of AI, Python IDE<br>- Variables, Assignment, Value Input<br>- STT, Conditional Statements<br>- Image Recognition, 2D Arrays, For Loop<br>- Different Kinds of Machine Learning, Big Data, While Loop<br>- Open Data, API, List and Dictionary | 20 (double lessons) |
| 2.1 | Spreadsheet with MS Excel<br>- Basic Operations and Introduction of Data Types<br>- Data Manipulation and Presentation<br>- Formulae and Functions<br>- Data Lookup | 10 (double lessons) |
| 2.2 | Generative AI<br>- Use of GenAI, Prompts, Opportunities and Challenges Brought by GenAI, Career Plans<br>- Follow-up Asking Techniques, Content Editing, Ethical Issues<br>- Image Generation, Concepts of Resolution and Aspect Ratio, Copyright Issues<br>- Advanced Settings for Image Generation, Misuse of AI Image | 20 |

Term 1 Modes of Assessment and weighting:

| Modes | Regular Test | Post-lesson Assignment | On-lesson Task | Pre-lesson Task | Examination |
|---|---|---|---|---|---|
| Weights | 10% | 10% | 5% | 5% | 70% |

Term 2 Modes of Assessment and weighting:

| Modes | Regular Test | Post-lesson Assignment | On-lesson Task | Pre-lesson Task | Examination |
|---|---|---|---|---|---|
| Weights | 10% | 10% | 5% | 5% | 70% |