**Proposal Structure for FYP-2022/23**

**(Word Limit - 1800 words)**

**1. Introduction:** A brief overview of the background to the project which highlights the need for the project.

a. Problem scenario (with proper data and credible references)

b. The project as a solution (how will your project solve this problem)

**2. Aims and Objectives:** At the top level, there should be clear and specific project’s aims in terms of the problem to be solved and the end-product of the project.

At the second level, concrete and measurable objectives should be identified in order each of the stated aims to be realized and achieved.

**Note:** One main Aim, multiple objectives to satisfy the Aim.

**3. Expected Outcomes and Deliverables:** A concise description of the product that will be expected at the end of the project.

This could include a piece of software with the technical and user documentation, a computer model and algorithms as a solution for a specific problem, a tailored -made IT / Security solution for a real-world business, etc.

**4. Project risks, threats and contingency plans:** A close to the workable assessment of the risk and threats that have been calculated in association with the project and a realistic contingency plan to overcome the risk and threats.

**5. Methodology:** a sensible and cogent methodological roadmap in order to achieve the expected outcome.

* The Software Development Life Cycle (SDLC)
* Focuses on the methodology phases of software development & outlines how the project will be undertaken.

**6. Resource Requirements:** identifies any resource requirements for your project, including specialist hard/software, publications (journals, dataset etc.), access to a company's IT resources etc.

**7. Work breakdown structure:** Table of the project work breakdown structure's activities with duration and description: appropriate concrete activities with suitable duration and description.

**8. Milestones:** Milestones are tools used to mark specific points along a project timeline. List/Graph of appropriate milestones with annotation.

* Milestones are like dashboard reviews of a project.
* The number of activities which were planned at the beginning of the project with their individual timelines for checking their status.
* Allows checking the health of the project. (Starting Phase)

**9. Project Gantt chart** with correct activity sequencing, duration and milestones: well-formatted Gantt chart with appropriate logic and annotations.

**10. Conclusion:** of the given proposal. No new content is introduced in this heading.

**11. Bibliography & References:** 5-7 relevant authoritative printed books, specialist journals, recent research publications of the specialist area of the chosen project topic.