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**Ontology Requirements Specification Document: Final Year Project (FYP) Process**

**1. Purpose**

This ontology aims to model the Final Year Project (FYP) process within the Department of Computer Science.

It aims to provide an unambiguous representation of the FYP process to facilitate understanding and management.

**2. Scope**

The ontology will cover the key stages, roles, deliverables, and evaluation aspects of the FYP process, from project initiation to completion.

**3. Implementation Language:**

* **Primary Language**: OWL (Web Ontology Language)
* **Modeling Tool**: Protégé Ontology Editor
* **Exportable Formats**: OWL/XML, RDF/XML, turtle

**4. Intended Users**

* Students
* Supervisors
* Project Managers
* Department
* Project Committees
* University Administration

**5. Intended Uses**

* **For Students:** To easily understand the FYP process.
* **For the Department of CS:** To explain the FYP process to each batch of students.
* **For Supervisors and Project Managers:** To evaluate students and their projects.
* **For All Users:** To understand and remove any ambiguity in the FYP process.
* To provide a documentation guide and help in project implementation.

**6. Functional Requirements: Groups of Competency Questions**

**6.1 Students**

* What is an FYP project?
* Is it compulsory?
* What domains can we choose for the project?
* Can we choose any domain of Computer Science?
* What skills do you require? Any skills that you have learned in your degree or any extra skills?
* What documentation will you develop or perform in your project?
* What documents are needed to be made in the process?
* What will be the deadline for documentation?
* How many phases are there of FYP?
* Who will conduct the viva?
* What is the FYP process? What steps do we need to follow in each activity?
* What flow to maintain? (Ans: Documentation to implementation, then evaluation, then deployment, testing, and launching)
* Who will evaluate? (Ans: Can be any internal or external professor)
* How can we help students? (Ans: By giving them help in any domain of your comfort zone)
* How will I lead the project as a supervisor? (Ans: By ensuring that the student is working in sequence and helping him/her in any difficulty)

**6.2 Department**

* What is the FYP process? (Ans: FYP consists of the documentation for the implementation of your project)
* How can this process help? (Ans: It will help them in understanding the process better)
* What benefits do we have for students? (Ans: To make less hassle in the department in making students understand the process)
* What is the department's role in FYP? (Ans: To provide students with any resources they need)

**6.3 Supervisor**

* What is my role?
* How can I guide students?

**5.4 Project Manager**

* What is my role? (Ans: To check everything is working timely, assigning, and evaluating students)
* How can I evaluate students? (Ans: By evaluating project scope, considering students with modern and updated technology)
* What things should be considered while evaluating? (Ans: By rationally marking and by evaluating how much hard work a student has done correctly)

**Non-Functional Requirements:**

* Must adhere to timelines and deadlines.
* Must be well-documented.
* Should exhibit originality and innovation.

**7. Pre-Glossary of Terms**

**7.1 Terms from Competency Questions**

* FYP
* Project
* Domain
* Skills
* Documentation
* Process
* Evaluation
* Viva
* Implementation
* Deployment
* Testing
* Role
* Supervisor
* Student
* Department
* Project Manager

**7.2 Terms from Answers**

* Key Terms from the answers are embedded within the answers in the competency questions section above.

**7.3 Objects**

* Objects would be specific instances, tools, or resources relevant to the department's FYP process, which are not explicitly listed in the provided text.