**UNIVERSITY OF SARGODHA**

**DEPARTMENT OF COMPUTER SCIENCE & INFORMATION TECHNOLOGY**

**Capstone Project 2023-2024**

**ONTOLOGY ON TABLE TENNIS**

**Project implementation plan**

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| **Sr.** | **Milestone Detail** | **Outcome** | **Project%** | **Roll #** | **Members**  **Contribution** | **Viva** |
| **Submission#1** | Protege installation + Research on classes hierarchy | Classes hierarchy | 5% | **R036**  **R029**  **S025** | Research  Research  Research |  |
| **Submission#2** | Research on Subclasses | Subclasses | 10% | **R036**  **R029**  **S025** | Research  Research  Research |  |
| **Submission#3** | Extensive study for objects & data properties | Objects & Data properties | 20% | **R036**  **R029**  **S025** | Study of objects  Study of objects  Study of data properties |  |
| **Submission#4** | Creation of classes in protege | Classes | 30% | **R036**  **R029**  **S025** | Classes creation  Classes creation  Classes creation |  |

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| **Submission#5** | Creation of object properties in protege | Object properties | 35% | **R036**  **R029**  **S025** | Creation  of objects  Creation of properties  Creation of properties |  |
| **Submission#6** | Creation of data properties of ontology | Data properties | 45% | **R036**  **R029**  **S025** | Data properties creation  Data properties creation  Data properties creation |  |
| **Submission#7** | Assignment of Domains & ranges + Creation of instances | Domains & ranges + instances | 50% | **R036**  **R029**  **S025** | Assignment  of domains  Assignment of ranges  Creation of instances |  |
| **Submission#8** | Importing schema’s elements | Schema’s Elements | 55% | **R036**  **R029**  **S025** | Studying Schema’s elements  Importing its elements  Importing its elements |  |

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| **Submission#9** | Creation of Modules | Modules | 60% | **R036**  **R029**  **S025** | Modules creation  Modules creation  Modules  creation |  |
| **Submission#10** | Adding Annotations + Property Restrictions | Annotations & Property restrictions | 70% | **R036**  **R029**  **S025** | Adding annotations  Adding Annotations  Adding property restrictions |  |
| **Submission#11** | Mapping of Usecase | Usecase | 75% | **R036**  **R029**  **S025** | Usecase mapping  Usecase mapping  Usecase mapping |  |
| **Submission#12** | SPARQL Queries | Information from database | 80% | **R036**  **R029**  **S025** | Learning & using queries  Learning & using queries  Learning  & using queries |  |

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| **Submission#13** | Pitfalls check | Maybe any pitfall or 100% free of pitfall. | 85% | **R036**  **R029**  **S025** | Pitfall checking  Pitfall checking  Pitfall checking |  |
| **Submission#14** | Pushing project on Github | Project on Github | 90% | **R036**  **R029**  **S025** | Project pushing  Project pushing  Project pushing |  |
| **Submission#15** | Generation of LODE documentation | LODE documentation | 95% | **R036**  **R029**  **S025** | Understanding the interface of LODE  Generating documentation  Generating documentation |  |
| **Submission#16** | Rechecking + Final Submission | Project Completed | 100% | **R036**  **R029**  **S025** | Rechecking  Rechecking  Rechecking |  |

**Team:**

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