

Final Year Design Project

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Faculty of Computing & Information Technology (FCIT), University of the Punjab, Lahore.

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Significance



Portfolio and Career
advancement



Preparation for Industry



Creative Thinking &
Analytical abilities



Application of knowledge
attained in Degree Program

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Roles

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Stakeholders

Stakeholders	Responsibilities
FYDP Team Lead	Team Composition & Management, Roles assignments, Timely coordination & completions of tasks and compilation of artefacts
FYDP Team Members	Accomplishing the assigned task Team Coordination Project Design and Development from inception to deployment
Supervisor	Overall supervision & guidance for successfully executing FYDP
FYDP Advisory committee (FAC)	Evaluation of FYDP deliverables (Proposal, Comprehensive Evaluations I & II)
FYDP Office	Handling other issues pertaining of FYDP Ensuring templates availability & Guidance Evaluation of FYDP proposals, Conducting Internal Evaluation & Organizing FYDP Exhibition & External Evaluations

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FYDP Policies

Department of Computer Science
Department of Information Technology
Department of Software Engineering

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FYDP Team



Preferred Team size is 4 members,

In case of 3 or 5 members special permission from FYDP
Office would be required



**Team members from CS/ IT/ SE can
jointly work in team**

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FYDP Supervision

- Faculty members from the SE, CS, or IT departments may supervise students across any of these degree programs
- Only permanent faculty members of CS/ SE/ IT can supervise FYDP
- Visiting Faculty cannot be the FYDP Advisor
- Maximum number of FYDP advised by a faculty member would be six
- FYDP Advisory Committee (FAC): Comprehensive Evaluation of FYDP

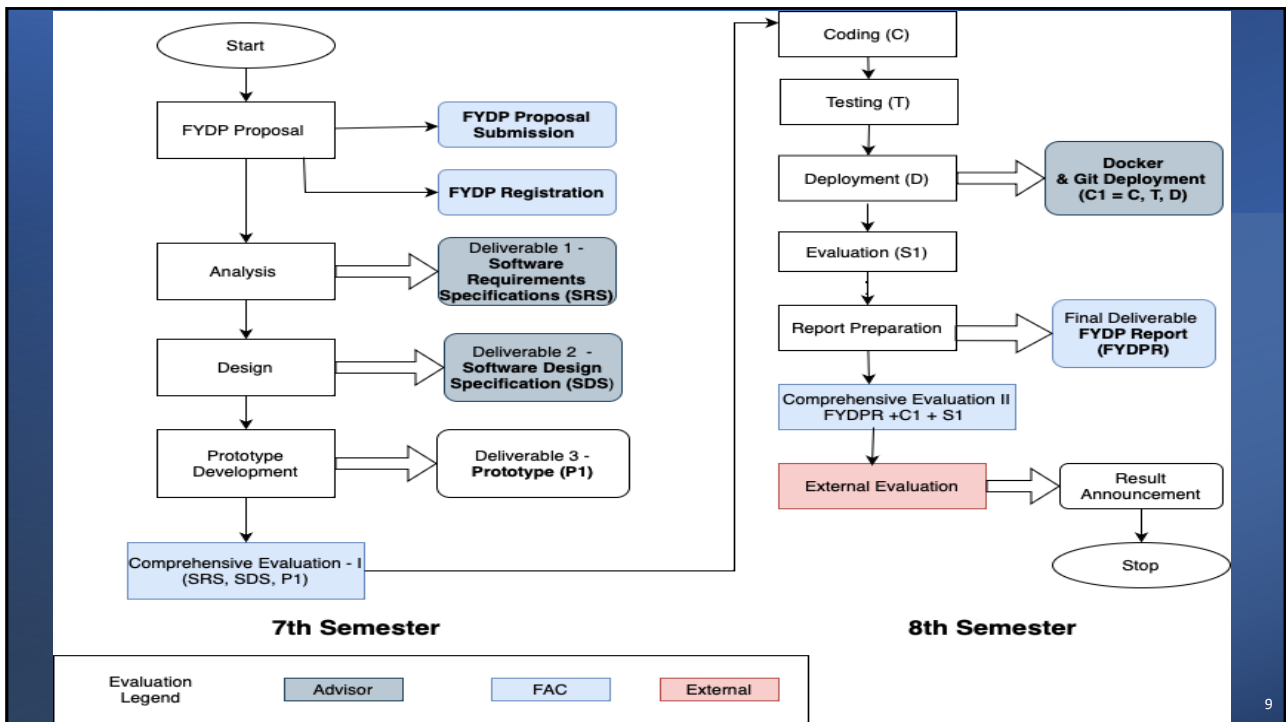
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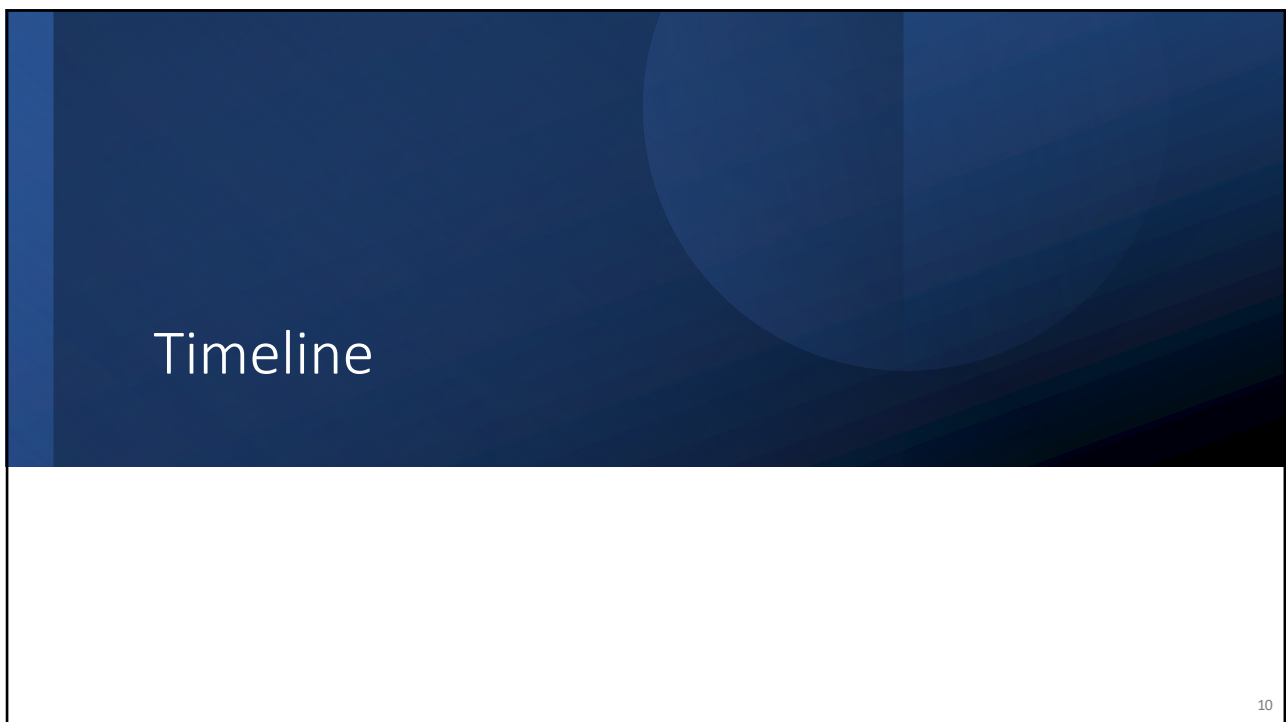
FYDP Execution

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7th Semester

Tasks & Deliverables	Submission Deadlines
Project Registration & Proposal Submission	October 8th, 2024 (Tuesday – office hours – Hardcopy)
Deliverable 1 – Software Requirements Specifications (SRS)	October 18, 2024 (Friday – Office Hours – Hardcopy)
Deliverable 2 – Software Design Specifications (SDS)	November 15, 2024 (Friday – Office Hours – Hardcopy)
Deliverable – Prototype [Git URL]	December 20, 2024 (Friday – Office Hours – Softcopy)

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8th Semester

Tasks & Deliverables	Submissions and Expected deadlines
Chapter 4 – Implementation -[Git URL of FYDP]	3rd week [Wef Beginning of 8th Semester]
Chapter 5 – Testing [Testscripts]	4.5th Week [Wef Beginning of 8th Semester]
Chapter 6 – Deployment [Git URL of FYDP, Docker]	5.5th Week [Wef Beginning of 8th Semester]
FYDP Final Report [FYDP Report Hardcopy & Softcopy]	7.5th Week [Wef Beginning of 8th Semester]
Internal Review	9th Week [Wef Beginning of 8th Semester]
External Review	14th Week [Wef Beginning of 8th Semester]

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Evaluation Criteria

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Evaluation Criteria

7th Semester

Task	Evaluation %
FYDP Proposal	25%
Deliverable 1 – Software Requirements Specification (SRS)	15 %
Deliverable 2 – Software Design Specification (SDS)	20%
Deliverable 3– Prototype (P1)	
Comprehensive Evaluation - I	SRS (5%) + SDS(10%)+ D3 (25%)
Total	100%

8th Semester

Task	Evaluation %
Code base Quality (Coding, Testing, Deployment C1)	20%
Success Criteria (S1) (Attainment of Goals, Objectives & Scope)	
Comprehensive Evaluation – II	FYDPR (20%) + C1 (5%)+ S1(15%)
<i>External Evaluation</i>	40%
Total	100%

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FYDP Registration (Template)

FYDP Title _____

Sr. No	Roll Numbers	Name	Signatures
1.			
2.			
3.			
4.			
5.			

Table 1 Project Proposal Summary

FYDP Goals

FYDP Objectives

FYDP Success Criteria

Assumptions:

Risks & Obstacles

Organization Address: FCIT, University of the Punjab, Lahore, Pakistan

Target End Users

Suggested Project Supervisor:

Approved By:

Date: October 07, 2024

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FYDP Proposal (Template)

- Title
- Abstract
- Introduction
 - Background
 - Problem Statement
 - Objectives
 - Scope
- Literature Review
 - Related Work
 - Gap Analysis
- FYDP Overview
- Tools, Libraries & Technologies
- Work Division
- References

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FYDP Title

- Clarity

 - No jargons, clear specification of idea
- Specificity

 - Should not be too generic
- Feasibility

 - Scope should not be over ambitiously specified
- Relevance

Good Titles	Bad Titles
Development of a Mobile Application for Real-Time Traffic Monitoring Using GPS and Machine Learning	Building a Website (too simple, not scoped)
Design and Implementation of a Cloud-Based Inventory Management System for Small Businesses	Artificial Intelligence in Education (Overly broad)
Automated Traffic Congestion Detection Using Image Processing and Deep Learning	Web based system for school (vague, lack focus, narrowed down to domain)

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Abstract

- Brief summary of the project, including
 - Objectives
 - Methodology,
 - Expected outcomes
- Focused & Concise [150-250 words]
- Formal tone

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Introduction



Background

Provide context and background information relevant to the project.



Problem Statement

Clearly define the problem or challenge the project aims to address.
Which needs are unmet or problem the FYDP is aiming to solve?
How significant is the problem ?



Stakeholders & Interests

List the types of users who want a solution to the problem.
Indicate respective interests



Objectives

List the main objectives of the system to be designed



Scope

Define the boundaries of the FYDP
limitations of the FYDP

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Literature Review

- Related Work
 - Discuss previous work and research relevant to the project?
 - What has been done by others to solve the problem?
 - What solutions are already present in the market?
 - What are their disadvantages?
- Gap Analysis
 - Identify gaps in the current research that your project aims to fill.
 - Add proper references using MS Word tools.

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FYDP Overview

FYDP Title

Sr. No	Roll Numbers	Name	Signatures
1.			
2.			
3.			
4.			
5.			

Table 1 Project Proposal Summary

Project Goals

Project Objectives

Project Success Criteria

Assumptions:

Risks & Obstacles

Organization Address: FCIT, University of the Punjab, Lahore, Pakistan

Target End Users

Suggested Project Supervisor:

Approved By:

Date: October 07, 2024

Tools, Libraries & Technologies

Tools, Libraries, And Technologies	Tools	Version	Rationale
	Libraries	Version	Rationale
	Technology	Version	Rationale

Work Division

Sr. No	Roll Numbers	Name	Role Assignment & Work Division
1.			
2.			
3.			
4.			
5.			

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References

Book

Author(s). Book title. Location: Publishing company, year, pp.

Example: W.K. Chen. Linear Networks and Systems. Belmont, CA: Wadsworth, 1993, pp. 123-35.

Article in a Journal

Author(s). "Article title". Journal title, vol., pp, date.

Example: G. Pevere. "Infrared Nation." The International Journal of Infrared Design, vol. 33, pp. 56-99, Jan. 1979.

Articles from Conference Proceedings (published)

Author(s). "Article title." Conference proceedings, year, pp.

Example: D.B. Payne and H.G. Gunhold. "Digital sundials and broadband technology," in Proc. IOOC-ECOC, 1986, pp. 557-998.

World Wide Web

Author(s)*. "Title." Internet: complete URL, date updated* [date accessed].

Example: M. Duncan. "Engineering Concepts on Ice. Internet: www.iceengg.edu/staff.html, Oct. 25, 2000 [Nov. 29, 2003].

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Documentation Checklist

- All sections in this template are filled
- Use of Spellcheck & Grammer check
- Table of contents is updated
- References are updated and cross referencing is provided in the document

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Question & Answers

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