

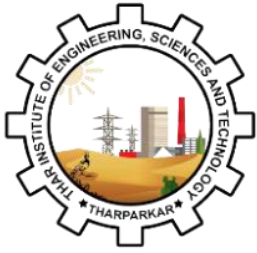
Thar Institute of Engineering, Sciences & Technology

A Constituent college of NED university of engineering & Technology Karachi



Department of Computer Science & Information Technology

Final Year Project (FYP) Orientation Presentation



Thar Institute of Engineering, Sciences & Technology

A Constituent college of NED university of engineering & Technology Karachi



Final Year Project(FYP) Steering Committee

Prof. Dr. Syed Abbas Ali

(Chairman)

Email: ccs.tiest@neduet.edu.pk

Engr. Abdul Hafeez

(FYP Coordinator)

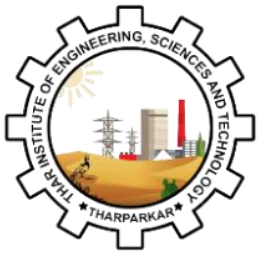
Email: hafeezbabar@neduet.edu.pk

Engr. Anees Ahmed

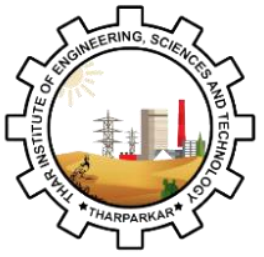
(Member)

Email: anees.ahmed22@neduet.edu.pk

Contents

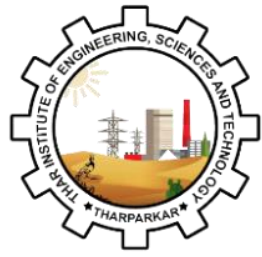


- Introduction of FYP
- Scope of FYP
- Responsibilities of concerned FYP Members
- Stages in FYDP Management and Evaluation Process
- FYP Process
- Proposal Form
- FYP Documents and Rubrics

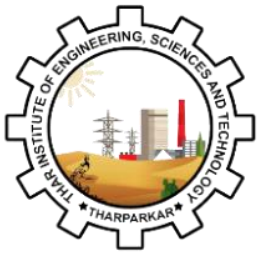


INTRODUCTION

Introduction(Continue...)

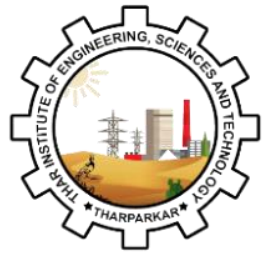


- All final year students in “TIEST” are required to undertake a Final Year Project (FYP) course, which is a design and or research-based subject.
- FYP is a compulsory subject in “Department of Computer Science and Information Technology” offered in TIEST.



Introduction(Continue...)

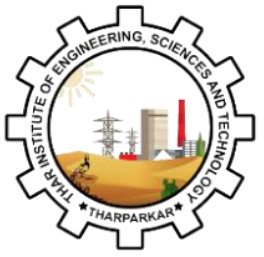
- Students to do research, design and/or development work in department, especially on real-world problems which would motivate to produce practical solutions.
- Opportunity to use the tools and techniques of problem-solving to solve the problem that have encountered.
- Learning process is gained through ‘by doing’ (practical) experience.



Introduction(Continue...)

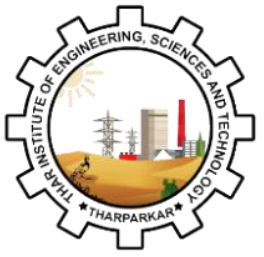
- Provide students with skills required for managing a project.
- Enable the students to participate and prepare for future employment.
- Under the guidance of supervisor/co-supervisor, students may shape the direction, as well as gain understanding of responsibilities.
- Teamwork inculcated with the development of good and professional relationship with supervisor and colleagues.
- Enable to execute respective roles and responsibilities in an effective manner.

Why Final Year Project Matters?



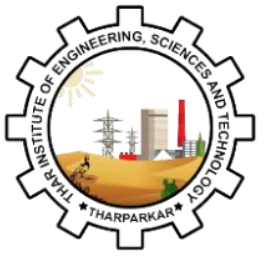
- Important aspects of your degree.
- Point where you can apply knowledge or what you have been learning in the past few years.
- Point that creates an ordinary graduate vs. an entrepreneur.
- Creates meaning of your degree and your existence as a CS&IT graduate.
- Way of getting exposure and experience of what real world problems are, if done properly.
- Inevitably be used as a gateway to industry and to discriminate YOU among your peers.

How will student pass FYP subject?



- Choose the right FYP topic holds paramount importance.
- Choose a topic related to your field of study that is of great interest of you.
- FYP title have a powerful motive (e.g. helps mankind, industries, etc.)
- FYP should not be common
- Choose the Right Project Guide (Supervisor/Co-Supervisor)
- Plan your Project Well
- Explore the previous existing project work
- Submit required documents on time appropriate

Scope of Final Year Project (FYP)



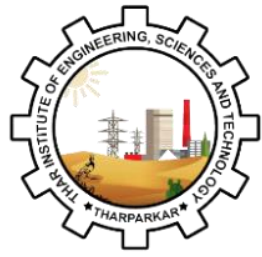
Form of:

- Laboratory Experiments
- Computer Programming
- Modelling
- Simulation
- Analysis
- Design

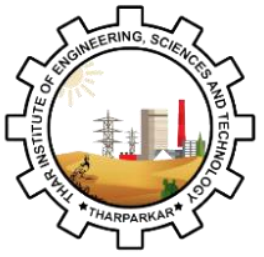
Important:

- Area and Scope of the project should be narrowed down so that the feasible and could be completed within the allocated time frame.
- FYP must exhibit an element of originality and indicates the maturity level for final year bachelor degree programme.

Responsibilities of concerned Persons

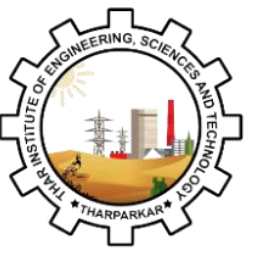


- FYP Steering Committee
- Supervisor
- Co-Supervisor
- Panel of Examiners
- **Students**



Responsibilities : STUDENTS

- Demonstrate their ability to integrate fundamental knowledge in developing techniques, methods and analyses.
- Propose a FYP Proposal
 - Individual:
 - Self-discipline, self-management and job co-ordination
 - Teamwork
 - co-operation, trustworthiness to ensure the success of the project
- Attend the FYP orientation sessions arranged by the FYP Coordinator
- Forming group of up to (04) students.



Responsibilities : STUDENTS

- Timely submitting Project Proposal (to the Supervisor), Report/Presentation at the end of 7th/Fall Semester, Final Report and Presentation at the end of 8th/Spring Semester for Evaluation as prescribed in the Activity Plan.
- Ensuring compliance of Reports submitted at the end of 7th/Fall and 8th/Spring Semesters with the prescribed format, proper English usage and originality (similarity index less than or equal to 19 percent).
- appearing before the Examiners for presenting their work at the Evaluations conducted at the end of 7th/Fall and 8th/Spring Semesters.
- Incorporating the comments of the Supervisors/Examiners in the Final FYDP Report to be submitted at the Department.

Stages in FYDP Management and Evaluation Process

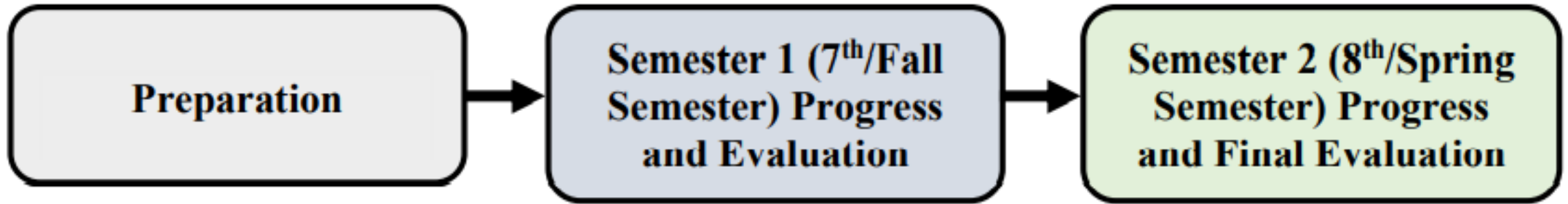
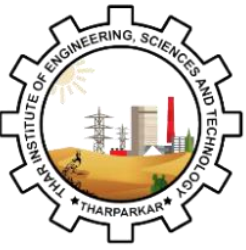
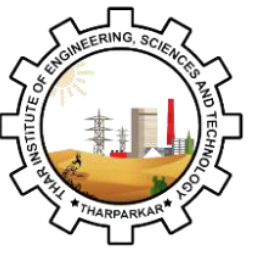


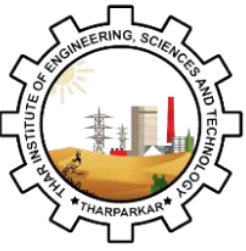
Figure 1: Stages in FYDP management and evaluation process.

1. Preparation



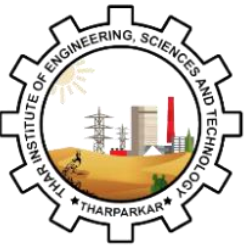
- Activity plan
- Orientation presentation
 - Role of supervisor/co-supervisor, students/group
- Overall FYDP process and document requirements

2. Semester 1 (7th / Fall Semester) Progress and Evaluation

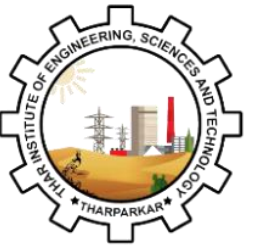


- FYP Proposal (**Grading**)
- Attendance (**Grading**)
- Students weekly meetings throughout the semester to Supervisor/co-Supervisor
- Progress Report and Presentation (**Grading**)
- Evaluation Examination and (**Grading**)
- Keep works on comments and suggestions (**Grading**)
- Can change FYP Title (if applicable)

3. Semester 2 (8th / Spring Semester) Progress and Final Evaluation

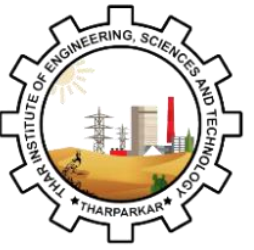


- Attendance (**Grading**)
- Students weekly meetings throughout the semester to Supervisor/co-Supervisor
- Progress Report and Presentation (**Grading**)
- Poster Exhibition (**Grading**)
- Final Exam evaluation and Presentation (**Grading**)
- Submit FYDP Final report under guidelines (**Grading**)



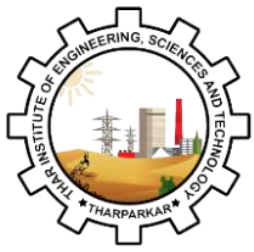
FYP Process

FYP Process



1. Submission of Titles and Project Synopsis

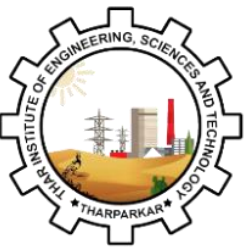
- a) Students will submit project proposals according to their interest and expertise to the Supervisor / co-supervisor.
- b) Students are also encouraged to propose their own project proposals based on their interest and experience.
- c) All proposals must be submitted to the FYP Coordinator for department in **Appendix C.2 FYDP Proposal** under given **Appendix C3- Activity Plan for FYDP**.
- d) FYDP proposal shall be graded on the rubric provided in **Appendix D1 – Rubric for FYDP Proposal**



2. Approval on Project Proposal and Assignment of Supervisor/s

- a) The FYP Coordinator will forward the list to the FYP Steering committee for approval.
- b) The project proposal will be reviewed by the FYP Steering Committee to ensure the viability of the project.
- c) The proposer will be called by the FYP Steering Committee, if any clarification is required.
- d) Once the project is approved, the FYP Steering Committee will endorse a supervisor for the project.
- e) The FYP Coordinator will advertise the list of approved projects to the students in **Appendix C4- FYDP List**.

FYP Process



3. Selection of Project Title

- a) Students who do not submit a project proposal or have their proposals rejected/recommendations by the FYP

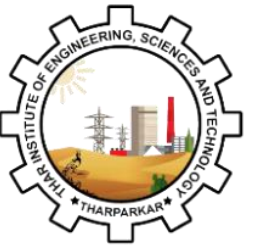
Steering committee of the department, will have to select title from the given list in any order of preference and

submit it to the FYP Coordinator in **Appendix C.5 Application for Change of FYDP Title.**

- b) The FYP Coordinator will forward the students' selection to the FYP Steering Committee for them to assign

approved projects or Supervisors to students.

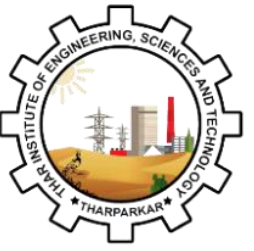
FYP Process



4. Allocation of Approved Project Title/ Assigned Supervisors

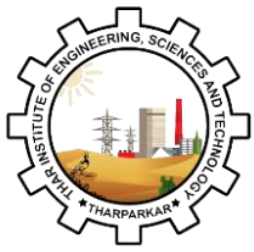
- Students will be informed by the FYP Coordinator on the awarded project or assigned Supervisors at

Notice Board in **Appendix C4 – FYDP List**



5. Approval for Purchase and Usage of Resources and Services

- Student may apply for project national / international funding through available resources.
 - *For Instance:* IGNITE Funding



6. Submission of Progress Report and Presentation (7th Semester)

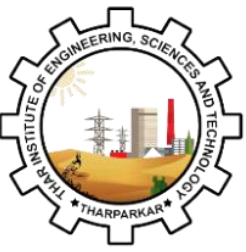
Towards this submission, student should be able to fulfil the criteria as:

- a) Write an abstract of the study
- b) Identify the problem statement, objective and scope of the study
- c) Write the literature review
- d) Explain the methodology to be used in the study

The procedure of the submission is as follows:

- a) Students submit the progress report and presentation to the Supervisor for endorsement prior to submission to the FYP Coordinator.

- b) The Supervisor will evaluate the progress report and submit the marks to the FYP Coordinator in **Appendix D2- Rubrics for Semester 1 Progress.**

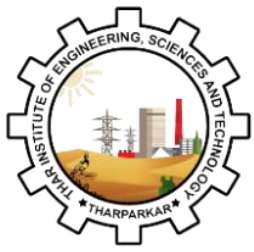


7. Semester 1 (7th / Fall Semester) Evaluation

- a) Students need to present oral progress report and presentation of their project to the supervisor/Co-supervisor, and Examiner by attending the 7th semester evaluation seminar.
- b) Avenue for the students to get feedback on how to improve their project.
- c) The examiner will evaluate the presentation, progress report and submit the marks to the FYDP Coordinator in

Appendix D3- Rubric for Semester 1 Evaluation.

- d) If the students fail to attend the oral presentation, the students will be barred and will not be able to continue the course.



8. Submission of Progress Report and Presentation (8th Semester)

Towards the submission, students should be able to:

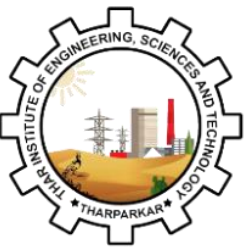
- a) *Write an abstract of the study*
- b) *Identify the problem statement, objective and scope of the study*
- c) *Write the literature review*
- d) *Explain the methodology to be used in the study*
- e) *Report the findings of the study*
- f) *Conclusion*
- g) *Fundings*
- h) *References*

The procedure of the submission is as follows:

- a) Students will submit a progress Report and presentation to the FYP Coordinator for endorsement prior to submission to the supervisor.
- b) The Supervisor will evaluate the presentation and progress Report and submit the marks to the FYP Coordinator in

Appendix D4 – Rubric for Semester 2 Progress.

FYP Process



9. Exhibition

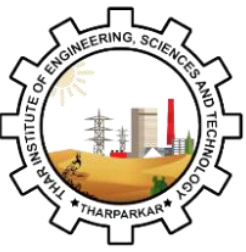
In this section, students should be able to:

- a) Explain verbally to the audience about their project, through the poster that they have designed.
- b) Demonstrate their ability to answer questions from the audience effectively.

The procedures of project exhibition are as follows:

- a) Students are required to produce a poster for an exhibition at departmental level.
- b) The appointed internal examiners within the department will evaluate the students' posters and submit the marks to the FYP Coordinator.

FYP Process

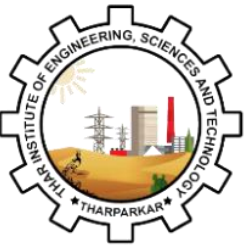


10. Semester 2 (8th / Fall Semester) Evaluation

- a) Students need to submit their reports and presentations for Semester 2 evaluation to FYP Coordinator through respective supervisors.

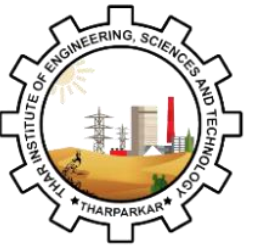
In this session, students should be able to

- a) Verbally report the outcome of their final year project.
 - b) Demonstrate how well they are able to explain and understand the project that they have been working on.
 - c) Utilize their skills in oral presentation.
- Evaluation shall be conducted by the Supervisor/Co-supervisor, Examiner and the Chairperson and grading shall be done on the rubrics provided in **Appendix D6- Rubric for Semester 2 Final Evaluation.**



11. Submission of Final Report

- Towards the submission, students should be able to explain in writing about the contents of the project and its significance, the problem statement, objectives, scope, literature review, methodology used, results, conclusions and recommendations.
- Supervisor/Co-supervisor shall collect and review the FYDP draft report from the students before ending the semester. Final report format guidelines in details are provided in **Appendix C7 – FYDP Report Guidelines**.



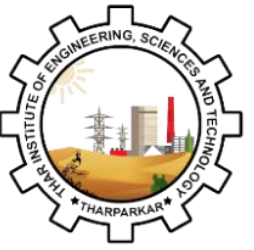
11. Submission of Final Report (Continue...)

The procedures for submission are as follows:

- a) Students shall submit the finalized FYDP report after incorporating all changes/corrections recommended by the Examiner, to the supervisor after the final evaluation.
- b) The Examiners shall also evaluate the draft of the FYDP report on the rubrics provided in **Appendix D5 – Rubric For the Final Report**

The FYDP coordinator shall collect and consolidate all the semesters evaluation on the template provided in Appendix D7 – FYDP Consolidated Grading Sheet.

Appendix



C. FYP Managements System Documents

C.2 FYDP Proposal Form



Department of _____
 <FYDP Course Code> Final Year Design Project
 Proposal for the Final Year Design Project

Title						
--------------	--	--	--	--	--	--

Domain	Domain 1	Domain 2	Domain 3	Domain 4	Domain 5	Domain 6

1. Nature of Project [Tick all that applicable]

<input type="checkbox"/> New Project OR <input type="checkbox"/> Extension of Existing Project	<input type="checkbox"/> Industrial Collaboration	<input type="checkbox"/> Funded
<input type="checkbox"/> Other Department Collaboration (If yes) Department Name _____	<input type="checkbox"/> Other Academic Institution Collaboration (If yes) Institution Name _____	

2. Brief Outline (Problem Identification and Significance)

--

3. Objectives

--

4. Scope

--

5. Proposed Methodology

--

6. Resources Involved

--

7. Description of Industrial Support (If any)

--

8. SDGs (If Applicable)

<input type="checkbox"/> No Poverty	<input type="checkbox"/> Zero Hunger
<input type="checkbox"/> Good Health and Well-Being	<input type="checkbox"/> Quality Education
<input type="checkbox"/> Gender Equality	<input type="checkbox"/> Clean water and Sanitation
<input type="checkbox"/> Affordable and Clean Energy	<input type="checkbox"/> Decent Work and Economic growth
<input type="checkbox"/> Industry, Innovations and Infrastructure	<input type="checkbox"/> Reduced Inequalities
<input type="checkbox"/> Sustainable Cities and Communities	<input type="checkbox"/> Responsible Consumption and Production
<input type="checkbox"/> Climate action	<input type="checkbox"/> Life Below Water
<input type="checkbox"/> Life on Land	<input type="checkbox"/> Peace, Justice and Strong Institutions
<input type="checkbox"/> Partnerships	

9. Gantt Chart

Year	20____ to 20____											
Months												
Task 1												
Task 2												
:												
Task N												

10. Details of Project Team

i. Students

No.	Name	Seat No.	Signature (s)
1			
2			
3			
4			

ii. Supervisors / Advisors

	Name	Designation & Department	Address & Contact	Signature(s)
Supervisor				
Co-Supervisor (If any)				
Industrial Advisor (If any)				

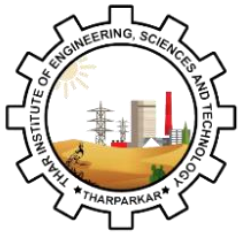
For Office Use Only

Project Serial No.: _____	Signature Convener Steering Committee	Signature FYP Coordinator
Dated: _____		

<input type="checkbox"/> Proposal Approved	<input type="checkbox"/> Not Approved	<input type="checkbox"/> Returned for Clarification / Modification
Comments: (if any)		

 (Signature of Chairperson)
 Date: _____

Instruction for FYP Proposal Form



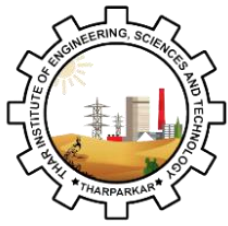
Title

- Project title describes the whole assignment in one sentence.
 - 1) Give a general idea of what the project is about
 - 2) Make you curious about the project and prompt you to read more and to participate in it.
 - 3) Not be descriptive, but allusive
 - 4) Catch people's attention because of a play of words or a reference to movies, books, popular culture etc.
 - 5) Be simple and straightforward (avoid overcomplicated titles)
 - 6) Be memorable.

Domain

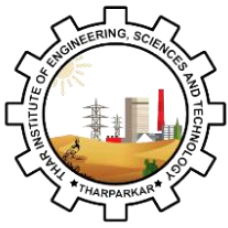
- The set of skills, activities, and behaviors that contribute to the effective practice of project.

Instruction for FYP Proposal Form



1. Nature of Project

- New Project
- Existing Project
- Collaboration with other department
- Industrial Collaboration
- Funded
- Other Department Collaboration Institute



2. Brief Outline (Problem Identification and Significance)

Problem Identification

- Clearly identifying the root cause of a problem

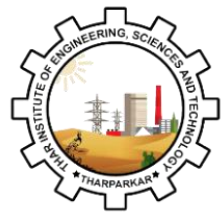
Sources of Problems Identification:

1. Deductions from Theory
2. Interdisciplinary Perspectives
3. Interviewing Practitioners
4. Personal Experience
5. Relevant Literature

Problem Significance

- Highlights the value that the project outcomes may provide in the field or real-world practice.
- Always refer to the statement of the problem

3. Objectives

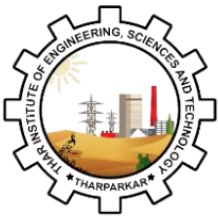


- What you plan to achieve by the end of your project

E.g.

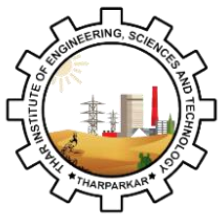
- Time
- Cost
- Quality
- Our project team will launch our new recipe app for Android and iOS on those OS's app stores by the start of Q2 2022.

4. Scope



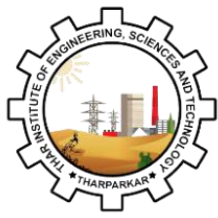
- A way to set boundaries on your project and define exactly what goals, deadlines, and project deliverables you'll be working towards.

5. Proposed Methodology



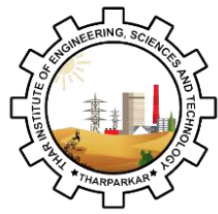
- Step-by-step structure, with milestones and stages, while methodology is a way of interacting with the customer to move them from stage to stage.

6. Resources Involved



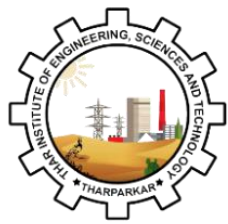
- **Human**
 - Individual team members , Project managers , Project managers , Freelancers
- **Equipment / Materials**
 - Hardware, Devices, computing cloud
- **Financial**
 - Project budget , Project grants , Contingency funds
- **Time**
 - Project plan , Project schedule, Time invested
- **Knowledge**

7. Description of Industrial Support (If any)



- Anything from advice and assistance to administrative services such as collecting and compiling data.

8. SDGs (If Applicable)



 <p>TRANSFORMING OUR WORLD: THE 2030 AGENDA FOR SUSTAINABLE DEVELOPMENT</p>	1 NO POVERTY 	2 ZERO HUNGER 	3 GOOD HEALTH AND WELL-BEING 	4 QUALITY EDUCATION 	5 GENDER EQUALITY 
6 CLEAN WATER AND SANITATION 	7 AFFORDABLE AND CLEAN ENERGY 	8 DECENT WORK AND ECONOMIC GROWTH 	9 INDUSTRY, INNOVATION AND INFRASTRUCTURE 	10 REDUCED INEQUALITIES 	11 SUSTAINABLE CITIES AND COMMUNITIES 
12 RESPONSIBLE CONSUMPTION AND PRODUCTION 	13 CLIMATE ACTION 	14 LIFE BELOW WATER 	15 LIFE ON LAND 	16 PEACE, JUSTICE AND STRONG INSTITUTIONS 	17 PARTNERSHIPS FOR THE GOALS 
 <p>12 RESPONSIBLE CONSUMPTION AND PRODUCTION</p>	 <p>13 CLIMATE ACTION</p>	 <p>14 LIFE BELOW WATER</p>	 <p>15 LIFE ON LAND</p>	 <p>16 PEACE, JUSTICE AND STRONG INSTITUTIONS</p>	 <p>17 PARTNERSHIPS FOR THE GOALS</p>

C.3 Activity Plan for Final Year (Design) Project (FY(D)P)



NED University of Engineering and Technology



Activity Plan for Final Year (Design) Project (FY(D)P)

Bachelors of <Engineering/Science> in <Programme Name>

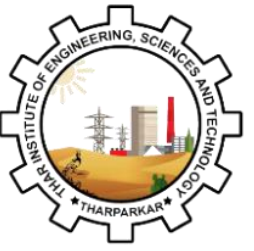
F/SOP/FYDP 01/01/00

S.No.	Activity	Responsible Person	Target Date
PRE-FALL SEMESTER			
1	Orientation session conduction and management	FYDP Coordinator, Chairperson	Last two weeks of Spring Semester Third Year
2	FY(D)P titles collection from faculty members and industry	FYDP Coordinator	Two weeks before the start of Fall Semester
3	FY(D)P titles list preparation and display	FYDP Coordinator	One week before the start of Fall Semester
SEMESTER 1 (7th / FALL SEMESTER)			
1	FYDP proposal forms collection	FYDP Coordinator	One week after the start of Fall Semester
2	Approval of FYDP proposals	FYDP Steering Committee	Two weeks after the start of Fall Semester
3	FYDP list display to all concerned		
4	Tracking and reporting progress of FYDP groups	Supervisor/Co-Supervisor	Throughout the Semester
5	Collection of progress report and presentations	FYDP Coordinator	Last week of the Semester
6	Preparation of schedule for the Semester 1 evaluation	FYDP Coordinator	
7	Conduction of Semester 1 evaluation	Supervisor/Co-Supervisor, Examiner	Last week of the Semester
8	Collection and consolidation of Semester 1 evaluations	FYDP Coordinator	End of Semester Examination
SEMESTER 2 (8th / SPRING SEMESTER)			
1	Tracking and reporting progress of FYDP groups	Supervisor/Co-Supervisor, FYDP Coordinator	Throughout the Semester
2	Collection and review of FY(D)P draft report	Supervisor/Co-Supervisor	Last week of the Semester
3	Collection of draft report and presentations	FYDP Coordinator	
4	Preparation of schedule for the Semester 2 evaluation	FYDP Coordinator	Last week of the Semester
5	Conduction of Semester 2 evaluation	Supervisor/Co-Supervisor, Examiner, Chairperson	After the End of Semester Examinations
6	Final submission of FY(D)P report	Students, Supervisor/Co-Supervisor	One week after the Final Evaluation
7	Collection and consolidation of Semester 2 evaluation	FYDP Coordinator, Chairperson	After the Final Evaluation
8	FY(D)P marks entry on Examination Portal	Chairperson	Last day of submission of results

FYDP Coordinator

Chairperson

C.4 FYDP List



Department of _____
<FYDP Course Code> Final Year Design Project
Project List



F/SOP FYDP/02/00

Batch _____

Semester _____

S.No.	Project Title	Student Name	Supervisor/Co-Supervisor	Industry
		1. 2. 3. 4.		

FYDP Coordinator _____

FYDP Review Committee Head _____

Chairperson _____

C.5 Application for Change of FYDP Title

Department of _____
 <FYDP Course Code> Final Year Design Project
Application for Change Of Project Title
(To be submitted within six weeks after the start of Fall semester)



Date: _____

Previous Project Title:

New Project Title:

Domain:	Domain 1	Domain 2	Domain 3	Domain 4	Domain 5	Domain 6

Sub Domain (If required): _____

Name (Supervisor): _____

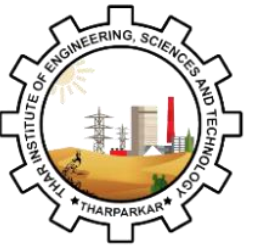
Consent & Reason from Supervisor: _____

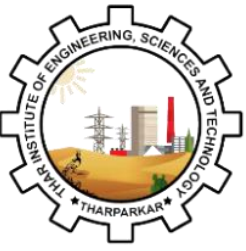
 Signature Supervisor

For Office Use Only	
Project Serial No.: _____	Signature (FYDP Coordinator): _____
Dated: _____	Signature (Chairperson): _____

C.5 FYDP Report

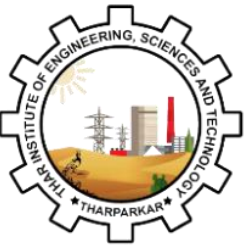
- Report guidelines





D. FYDP Evaluation Rubrics

D.1 Rubric for FYDP Proposal



NED University of Engineering & Technology
Department of _____ Engineering
<FYDP Course Code> Final Year Design Project



Grading of FYDP Proposal (7th/Fall Semester) (Weightage - 6%)

Project Title: _____

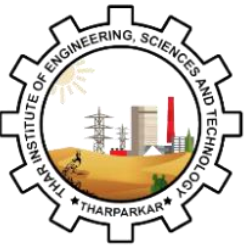
S. No	Student Name	Roll No.	I Problem Identification and Objectives (3)	II Relevance to SDGs (3)	III Proposed Methodology (3)	IV Work Plan (3)	Weighted Average Score (12)
			PLO-2 (%)	PLO-7 (%)	PLO-3 (%)	PLO-11 (%)	
1							
2							
3							
4							

Use Rubric FYDP-OBE-01 for each student.

*Weighted Average Score = [PLO-2 (%) * 3 + PLO-7 (%) * 3 + PLO-3 (%) * 3 + PLO-11 (%) * 3] / 100*

Head of FYDP Steering Committee

D.1 Rubric for FYDP Proposal



FYDP-OBE-01

NED University of Engineering & Technology
Department of _____ Engineering
 <FYDP Course Code> Final Year Design Project

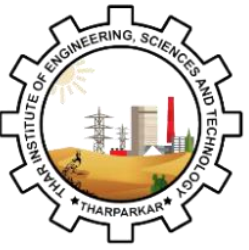
Rubric for Project Proposal (7th/Fall Semester) (Weightage - 6%)

Student Name: _____

Roll No.: _____

Criterion	Levels of Attainment (%)				
	Unacceptable (0)	Just acceptable (25)	Average (50)	Good (75)	Excellent (100)
I Problem Identification and Objectives	The problem statement is not given and/or objective is not stated at all.	The problem statement and objectives are not suitably described.	The problem statement and objectives are just described.	The problem statement and objectives are clearly described.	The problem statement and objectives are well-structured and clearly described.
II Relevance to SDGs	No relevance to SDGs established.	Some relevance to SDGs without any clear link.	Reasonable consideration of SDGs and their linkage with the proposed work.	Clear relevance between the project work and SDGs established.	Relevance to SDGs is clearly established with appropriate consideration for relevant SDGs.
III Proposed Methodology	Not defined in the proposal.	Proposed methodology is marginally practical and relevant to the project objectives.	Proposed methodology is reasonably practical and relevant to the project objectives.	Proposed methodology is technically practical and relevant to the project objectives.	Proposed methodology is well-structured and highly relevant to the project objectives.
IV Work Plan	Does not have a timeline for different phases of the project.	Has developed a timeline but cannot clearly describe the different activities of the work and corresponding timelines.	Has developed a timeline and can describe the different activities of the work and corresponding timelines with minimal prompting from peers.	Has developed a timeline describing when most parts of the work will be done. Student can describe the different activities of the work and corresponding timelines.	Developed a reasonable, complete timeline describing when different parts of the work will be done. Student can clearly and confidently describe the timeline with milestones.

D.2 Rubric for Semester 1 Progress



NED University of Engineering & Technology
Department of _____ Engineering
<FYDP Course Code> Final Year Design Project



Grading of Semester 1 (7th/Fall Semester) Progress (Weightage - 10%)

Project Title: _____

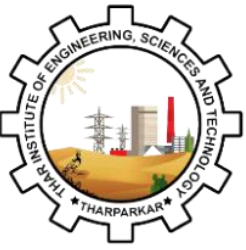
S. No	Student Name	Roll No.	I Intellectual Contribution (5)	II Attendance (5)	III Coherence with group (5)	IV Response to Questions (5)	Weighted Average Score (20)
			PLO-2	PLO-8	PLO-9	PLO-10	
1							
2							
3							
4							

Use Rubric FYDP-OBE-02 for each student.

Weighted Average Score = [PLO-2 (%) * 5 + PLO-8 (%) * 5 + PLO-9 (%) * 5 + PLO-10 (%) * 5] / 100

FYDP Supervisor

D.2 Rubric for Semester 1 Progress



FYDP-OBE-02

NED University of Engineering & Technology
Department of _____ Engineering
 <FYDP Course Code> Final Year Design Project

Rubric for Semester 1 (7th/Fall Semester) Progress (Weightage - 10%)

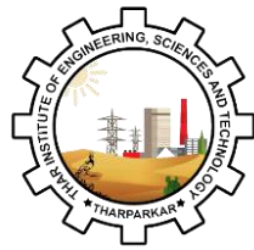
Student Name: _____

Roll No.: _____

	Levels of Attainment (%)				
	Unacceptable (0)	Just acceptable (25)	Average (50)	Good (75)	Excellent (100)
I Intellectual Contribution	Doesn't contribute to the project work and does not show understanding of the different project attributes.	Barely participates in the project activities and shows some understanding of the different project attributes.	Contributes in some activities of the project and shows reasonable understanding of the different project attributes.	Contributes effectively in majority of the project activities and has good understanding of the complex project attributes.	Enthusiastic and contributes in all activities of the project and demonstrates very good understanding of the complex project attributes.
II Attendance	To be taken from Attendance Proforma maintained by the Supervisor				
III Coherence with group	Non-cooperative.	Rarely contributes in group discussions and not a good team member.	Sometimes contributes useful ideas in group discussions and a satisfactory group member.	Usually provides useful ideas in group discussions and a good group member who tries hard.	Routinely provides useful ideas in group discussions and a definite leader who contributes a lot of effort.
IV Response to Questions	Neither understands the question, nor could reply.	Adequate understanding of the question and reply.	Seemed to understand the main points of the question and replied to those with ease.	Clearly understood the question and replied with ease.	Understood the question in-depth and replied confidently.

D.3 Rubric for Semester 1 Evaluation

NED University of Engineering & Technology
Department of _____ Engineering
<FYDP Course Code> Final Year Design Project



Semester 1 (7th/Fall Semester) Evaluation (Weightage - 24%)

Project Title: _____

S. No	Student Name	Roll No.	I Literature Review (12)	II Methodology (12)	III Adherence to Work Plan (12)	IV Reporting and Presentation (12)	Weighted Average Score (48)
			PLO-2	PLO-3	PLO-11	PLO-10	
1							
2							
3							
4							

Use Rubric FYDP-OBE-03 for each student.

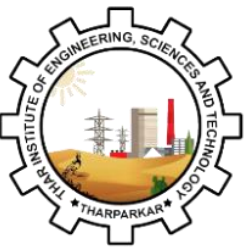
$Weighted\ Average\ Score = [PLO-2 (\%)*12 + PLO-3 (\%)*12 + PLO-11 (\%)*12 + PLO-10 (\%)*12]/100$

FYDP Supervisor

FYDP Examiner

Chairperson

D.3 Rubric for Semester 1 Evaluation



FYDP-OBE-03

NED University of Engineering & Technology
Department of _____ Engineering
 <FYDP Course Code> Final Year Design Project

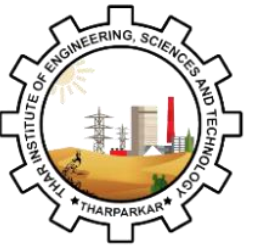
Rubric for Semester 1 (7th/Fall Semester) Evaluation (Weightage - 24%)

Student Name: _____

Roll No.: _____

	Levels of Attainment (%)				
	Unacceptable (0)	Just acceptable (25)	Basic (50)	Good (75)	Excellent (100)
I Literature Review	No literature review carried out.	Partial literature review conducted, does not identify the problem.	Basic literature review carried out with some detail and relevant papers.	Literature review covers majors areas related to the project with relevant sources identifying the problem.	Extensive literature review conducted in a scientific manner with proper citations and referencing, identifying the problem.
II Methodology	No methodology presented.	Some details available without explanation of the steps.	Methodology with basic steps defined.	Methodology defined with good details on all the phases of the project.	Detailed methodology defined with all the relevant steps in extensive detail.
III Adherence to Work Plan	Failure to manage project work as per plan.	Inadequate management of time and project work.	Partially appropriate management of time and project work.	Good and appropriate management of time and project work.	Exceptional management of time and project work.
IV Reporting and Presentation	Below standard content and delivery.	Marginal organization and delivery.	Reasonable organization and delivery.	Good organization and delivery.	Exceptional organization and delivery.
Comments (if any)					

D.4 Rubric for Semester 2 Progress



NED University of Engineering & Technology
Department of _____ Engineering
 <FYDP Course Code> Final Year Design Project



Grading of Semester 2 (8th/Spring Semester) Progress (Weightage - 24%)

Project Title: _____

S. No	Student Name	Roll No.	I Intellectual Contribution (16)	II Attendance (8)	III Coherence with group (8)	IV Response to Questions (8)	V Timely Report Submission* (8)	Weighted Average Score (48)
			PLO-2	PLO-8	PLO-9	PLO-10	PLO-11	
1								
2								
3								
4								

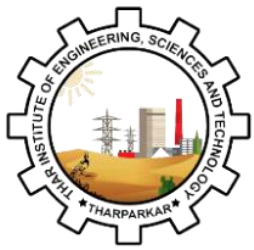
Use Rubric FYDP-OBE-04 for each student.

$$\text{Weighted Average Score} = [PLO-2 (\%) * 16 + PLO-8 (\%) * 8 + PLO-9 (\%) * 8 + PLO-10 (\%) * 8 + PLO-11 (\%) * 8] / 100$$

 FYDP Supervisor

 FYDP Coordinator

D.4 Rubric for Semester 2 Progress



FYDP-OBE-04

NED University of Engineering & Technology
Department of _____ Engineering
 <FYDP Course Code> Final Year Design Project

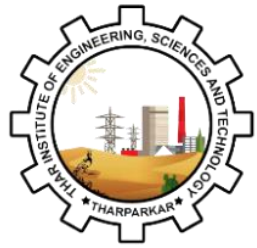
Rubric for Semester 2 (8th/Spring Semester) Progress (Weightage - 24%)

Student Name: _____

Roll No.: _____

	Levels of Achievement (%)				
	Unacceptable (0)	Just acceptable (25%)	Basic (50%)	Good (75 %)	Excellent (100 %)
I Intellectual Contribution	Doesn't contribute to the project work and does not show understanding of the different project attributes.	Barely participates in the project activities and shows some understanding of the different project attributes.	Contributes in some activities of the project and shows reasonable understanding of the different project attributes.	Contributes effectively in majority of the project activities and has good understanding of the complex project attributes.	Enthusiastic and contributes in all activities of the project and demonstrates very good understanding of the complex project
II	To be taken from Attendance Proforma maintained by the Supervisor				
III Coherence with group	Non-cooperative.	Rarely contributes in group discussions and not a good team member.	Sometimes contributes useful ideas in group discussions and a satisfactory group member.	Usually provides useful ideas in group discussions and a good group member who tries hard.	Routinely provides useful ideas in group discussions and a definite leader who contributes a lot of effort.
IV Response to Questions	Neither understands the question, nor could reply.	Adequate understanding of the question and reply.	Seemed to understand the main points of the question and replied to those with ease.	Clearly understood the question and replied with ease.	Understood the question in-depth and replied confidently.
V Timely Report Submission	Not Submitted in time.				Timely Submitted.

D.5 Rubric for Final Report



NED University of Engineering & Technology
Department of _____ Engineering
 <FYDP Course Code> Final Year Design Project



Grading of Final Report (8th/Spring Semester) (Weightage - 16%)

Project Title: _____

S. No	Student Name	Roll No.	I Literature Review (4)	II Methodology (4)	III Results and Discussion (4)	IV Conclusions and Recommendations (4)	V Relevance to SDGs (4)	VI Originality (4)	VII Formatting / Organization (4)	VIII Technical Writing (4)	Weighted Average Score (32)
			PLO-2	PLO-3	PLO-3	PLO-12	PLO-7	PLO-8	PLO-10	PLO-10	
1											
2											
3											
4											

Use Rubric FYDP-OBE-05 for each student.

*Weighted Average Score = [PLO-2 (%) * 4 + PLO-3 (%) * 8 + PLO-12 (%) * 4 + PLO-7 (%) * 4 + PLO-8 (%) * 4 + PLO-10 (%) * 8] / 100*

FYDP Supervisor

FYDP Examiner

D.5 Rubric for Final Report



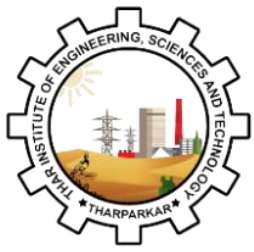
FYDP-OBE-05

NED University of Engineering & Technology
Department of _____ Engineering
 <FYDP Course Code> Final Year Design Project

Rubric for Final Report (8th/Spring Semester) (Weightage - 16%)

	Levels of Attainment (%)				
	Unacceptable (0)	Just acceptable (25)	Basic (50)	Good (75)	Excellent (100)
I Literature Review	No literature review carried out.	Partial literature review conducted, does not identify the problem.	Basic literature review carried out with some detail and relevant papers.	Literature review covers majors areas related to the project with relevant sources identifying the problem.	Extensive literature review conducted in a scientific manner with proper citations and referencing, identifying the problem.
II Methodology	No methodology presented.	Some details available without explanation of the steps.	Methodology with basic steps defined.	Methodology defined with good details on all the phases of the project.	Detailed methodology defined with all the relevant steps in extensive detail.
III Results & Discussion	No results and their discussion presented.	Some results without discussion available.	Results with reasonable level of discussion.	Results with detailed discussion presented.	Detailed results with extensive discussion presented.
IV Conclusions & Recommendations	No conclusions and recommendations.	Some conclusions with no relevance to project objectives.	Conclusions partially addressing objectives and recommendations.	Conclusions reasonably addressing project objectives and relevant recommendations for future work.	Conclusions adequately addressing the objectives with relevant recommendations for future work.
V Relevance to SDGs	No relevance to SDGs established.	Some relevance to SDGs without any clear link.	Reasonable consideration of SDGs and their linkage with the proposed work.	Clear relevance between the project work and SDGs established.	Relevance to SDGs is clearly established with appropriate consideration for relevant SDGs.
VI Originality	Project is plagiarized.	Project is not unique, but modified and improved from the existing sources with minimal changes.	Project is not unique, but modified and improved from the existing sources with adequate	Project is distinctive and based on original ideas.	Project is unique, creative and innovative.
VII Formatting/ Organization	Non-adherence to formatting guidelines and disorganized.	Formatting guidelines barely followed and poorly organized.	Formatting guidelines adequately followed and organized to some	Appropriately Formatted and organized.	Written work is very well formatted and organized.
VIII Technical Writing	Poor technical writing.	Minimal use of technical language.	Reasonable use of technical language.	Appropriate use of technical language.	Commendable use of technical language.

D.6 Rubric for Semester 2 Final Evaluation



NED University of Engineering & Technology
Department of _____ Engineering
<FYDP Course Code> Final Year Design Project



Semester 2 (8th/Spring Semester) Final Evaluation (Weightage - 20%)

Project Title: _____

S. No	Student Name	Roll No.	I Relevance / Content (8)	II Organization and Delivery (8)	III Design / Layout (8)	IV Time Management (8)	V Question / Answers (8)	Weighted Average Score (40)
			PLO-10	PLO-10	PLO-10	PLO-10	PLO-10	
1								
2								
3								
4								

Use Rubric FYDP-OBE-06 for each student.

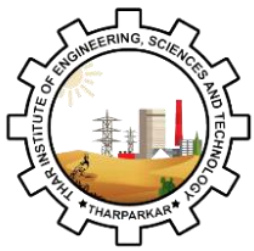
*Weighted Average Score = [PLO-10 (%) * 8 + PLO-10 (%) * 8 + PLO-10 (%) * 8 + PLO-10 (%) * 8 + PLO-10 (%) * 8] / 100*

FYDP Supervisor

FYDP Examiner

Chairperson

D.6 Rubric for Semester 2 Final Evaluation



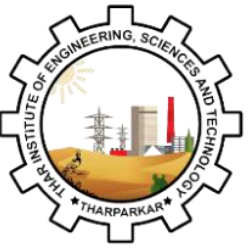
FYDP-OBE-06

NED University of Engineering & Technology
Department of _____ Engineering
 <FYDP Course Code> Final Year Design Project

Rubric for Semester 2 (8th/Spring Semester) Final Evaluation (Weightage - 20%))

	Levels of Attainment (%)				
	Unacceptable (0)	Just acceptable (25)	Basic (50)	Good (75)	Excellent (100)
I Relevance/ Content	Too limited relevance to program and low degree of difficulty.	Limited relevance to program and limited degree of difficulty.	Partially relevance to program and moderate degree of difficulty.	Relevant to program with adequate degree of difficulty.	Completely relevant to program and high degree of difficulty.
II Organization & Delivery	No participation.	Lacks confidence with weak preparation, organization, and delivery.	Partially confident with reasonable preparation, organization, and delivery.	Comfortable presentation with adequate preparation, organization, and delivery.	Confident and comfortable presentation with exceptional preparation, organization, and delivery.
III Design/ Layout	Inappropriate illustrations and non-pleasing layout.	Poor illustrations and non-aesthetic layout.	Most illustrations are appropriate but layout is cluttered.	Illustrations are appropriate and good space management.	Very well presented illustrations. Layout is pleasing to the eye.
IV Time Management	Noticeably exceed or fall short of the time allotted.	Speakers either rush or ramble excessively to meet the time allotted.	Speakers showed some difficulty in meeting the time limits.	Speakers showed no difficulty in meeting the time limits.	Comfortably use time allotted, without evidence of compensation.
V Questions/ Answers	Neither understands the question, nor could reply.	Adequate understanding of the question and reply.	Seemed to understand the main points of the question and replied to those with ease.	Clearly understood the question and replied with ease.	Understood the question in-depth and replied confidently.

D.7 FYDP Consolidated Grading Sheet



NED University of Engineering & Technology
Department of _____ Engineering
<FYDP Course Code> Final Year Design Project



Final Grading / Spring Semester (100%)

Project Title: _____

S. No.	Student Name	Roll No.	7 th Semester			8 th Semester			Total (200)
			Project Proposal (12)	Semester Progress (20)	Final Evaluation (48)	Semester Progress (48)	Final Report (32)	Final Evaluation (40)	

FYDP Coordinator

FYDP Supervisor

Chairperson

Thank You!

