# Format for the Mid-Term Final Year Project Evaluation Report

## Everest Engineering College

## 2022

The mid-term project proposal defense report has three sections. Excluding the cover page, the report should be at most three pages long.

### Section 1: Minor Changes in Project Objectives, Methodology or Evaluation

If you have made any changes in the project objectives, methodology or evaluation from what you set to do in the original proposal, describe them as a list.

For example,

1. We have decided to use existing dataset from UCI instead of creating our own.
2. We have added a frequency domain filtering algorithm for comparison purposes.

If you do not have made any changes, just write "Not Applicable" in this section.

### Section 2: Annotated Bibliography

Section 1 should include annotated bibliography related to your work. An annotated bibliography contains a list of references with one short paragraph describing why the reference is relevant to your project. You should list all the items that you have read and could be important in the context of your paper. *You must describe at least three reference in the bibliography*.

The annotated bibliography should be presented in a tabular format. Following is an example of an annotated bibliography: use this example as a template in your report.

| **SN** | **Reference/Description** |
|---|---|
| 1. | Gonzalez, and Woods. 2009. Digital image processing. Pearson education india. |
| | This book chapter provides the definitions of noises and various strategies to remove them. However, this chapter only considers de-noising in the context of grayscale images, and thus it is only a good starting point for our project. |
| | |
| 2. | Smolka, B., Plataniotis, K.N. and Venetsanopoulos, A.N., 2003. Nonlinear techniques for color image processing. In Nonlinear Signal and Image Processing (pp. 467-528). CRC x |

| | |
|---|---|
| | This paper defines impulse and other noises for color images. This paper also introduces vector approaches for de-noising color images, which is the central theme of our project |
| | |
| 3. | Lukac, R. and Plataniotis, K.N., 2006. A taxonomy of color image filtering and enhancement solutions. Advances in imaging and electron physics |
| | This paper provides an overview of color image filtering techniques. Specifically, describes vector-filter algorithms that are fundamental to our project. |

**Section 3: Work Division**

The second section should describe the work division between the team members. Work division should be done in such a way that each member has a responsibility that is challenging from the engineering perspective. Trivial tasks such that checking typographic errors, binding documents, taking photographs, etc. will not be considered acceptable a valid workload for an individual. Below is an example of a valid work division.

| **Task** | **Ms. A** | **Mr. B** | **Mr. C** | **Ms. D** |
|---|---|---|---|---|
| Research on de-noising algorithms | P | S | | |
| Programming | | P | | S |
| Report writing | S | | P | |
| Dataset preparation | | S | P | S |

P = Primarily Responsible, S=Supporting

**Section 4: Project Progress**

This section should contain the list of project objectives, and describe which of the objectives have been met till the mid-term defense.

Example:

| **Objective** | **Status** | **Completed (%)** | **Expected Completion Date** |
|---|---|---|---|
| Review existing image de-noising techniques | We have completed the review, and doing the writing part of the literature review | 75 | July 6, 2022 |
| Prepare dataset of noisy/noiseless images | Done | 100 | N/A |

| | | | |
|---|---|---|---|
| Implement marginal and vector de-noising algorithms | We have implemented two major de-noising algorithms using the marginal approach; implementation of vector algorithm is to be done | 50 | July 12, 2022 |
| Comparison of the performances | To be done | 0 | August 1, 2022 |

**Section 5: Supervisors' Approval**

From my perspective, the students have done sufficient work to be allowed for the mid-term defense.

Supervisors' Name:

Signature:

Date: