

College of Engineering Chengannur
Department of Computer Engineering
M. Tech. Computer Science(Image Processing)
03CS6902 Mini Project
Periodic Report No.11 (For the period (28/08/2021) to (7/09/2021))
IMAGE DEHAZING/Effective Single Image Dehazing by Fusion
CHN20CSIP05 SHIJINA T

1 Work Assigned

Edit the design report

Complete first step of proposed algorithm and study over on image fusion and weight maps

2 Work Done

- Studied on weightmaps to be used.
- Implemented DCP algorithm on different patches and need correction at computing airlight locally.
- Genarated Laplacian image using inbuilt function.
- The design report is corrected as per mentioned like change the problem statement into simple sentence ,proposed solution should be reflect the change in idea taken from the base paper and added a simple diagram to represent overall project design.

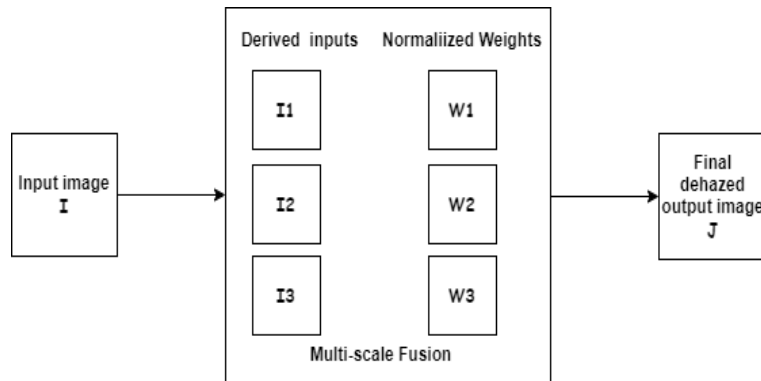
– Problem Statement

Implementation of a single image dehazing technique that work well for both day-time and night-time hazy scenes.

– Proposed Solution

Single Image Dehazing Using Multi-Scale Fusion -Multi-scale fusion of the Laplacian with images dehazed using DCP along with a refinement and the corresponding weight maps.

– Project design



– Project Progress

Work schedule

Studied over the project area and problem domain. [26/04/21 to 01/05/21]

Literature survey over the topic Single image Dehazing techniques and selected suitable reference papers. [02/05/21 to 11/05/21]

Get the initial clearance. [12/05/21 to 22/05/21] Making a proper work schedule for implementing the work. [23/05/21 to 31/05/21]

Prepared the flowchart and start literature survey over the topic DCP algorithm. [01/06/21] studying over DCP and entire idea about the mini-project. [23/07/21] to [31/07/21] Started work on first phase of project- create design for project along with initial work on DCP algorithm. [01/08/21 to 17/08/21]

3 Work Schedule for Next 10 Days

Start work over weight map assigning and image fusion

4 Assessment of Guide

Name & dated signature of the guide: