

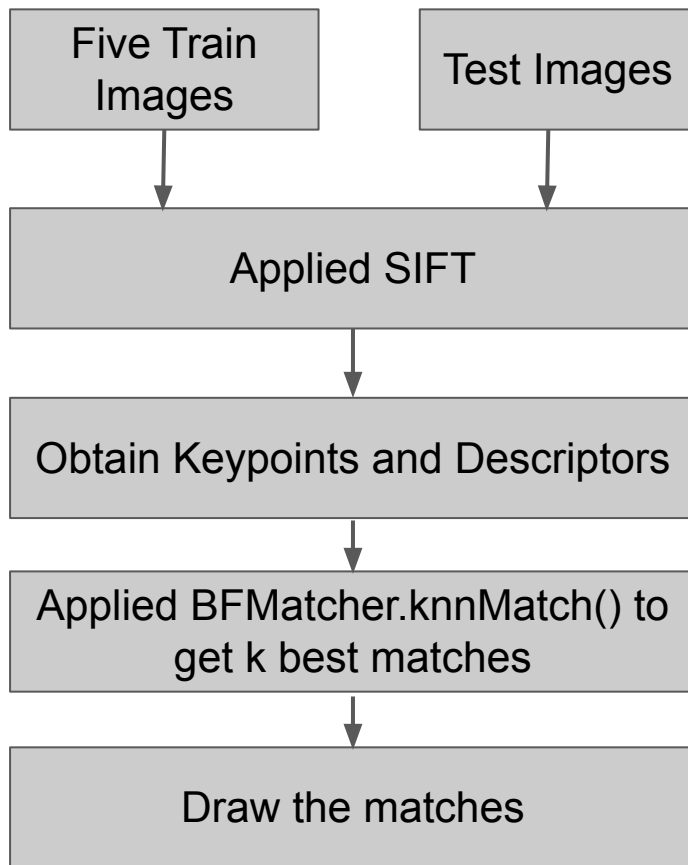
# DIP Assignment

## Feature Matching

By:

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# Flow Diagram:



# Train Images



# Test Images

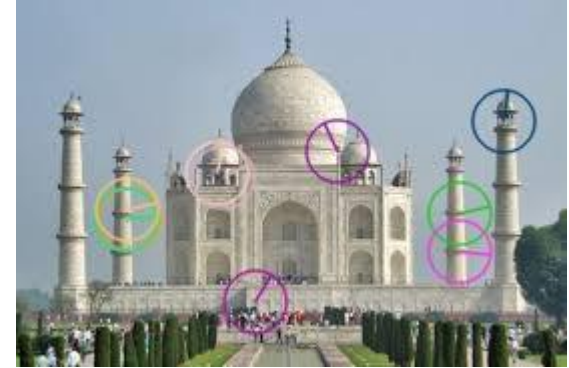


# Ten Keypoints drawn on Train and Test images

**Test Images**

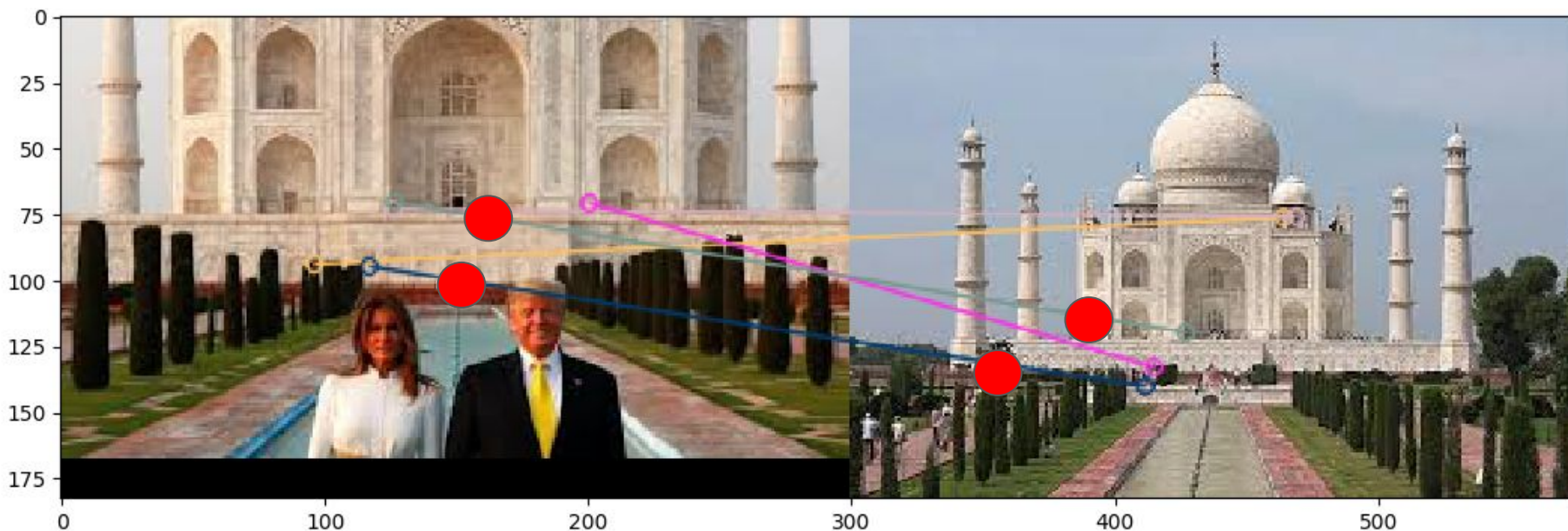


**Train Images**



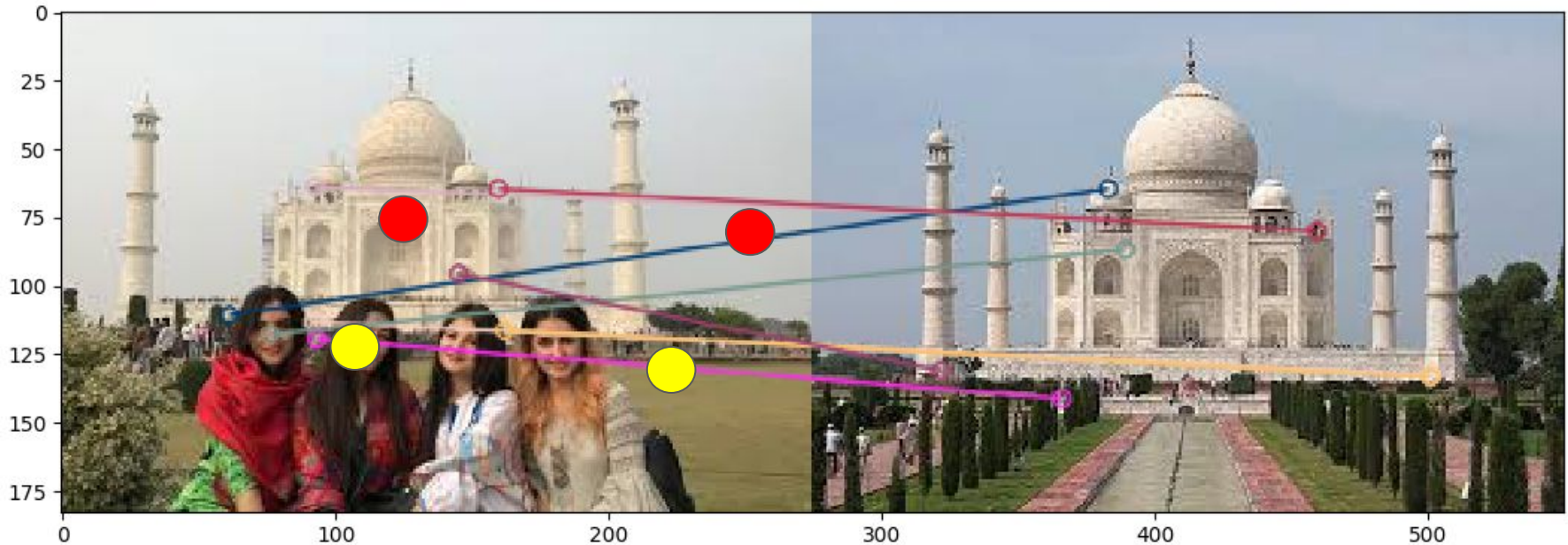


# Feature Matching: Zoomed in Query Image



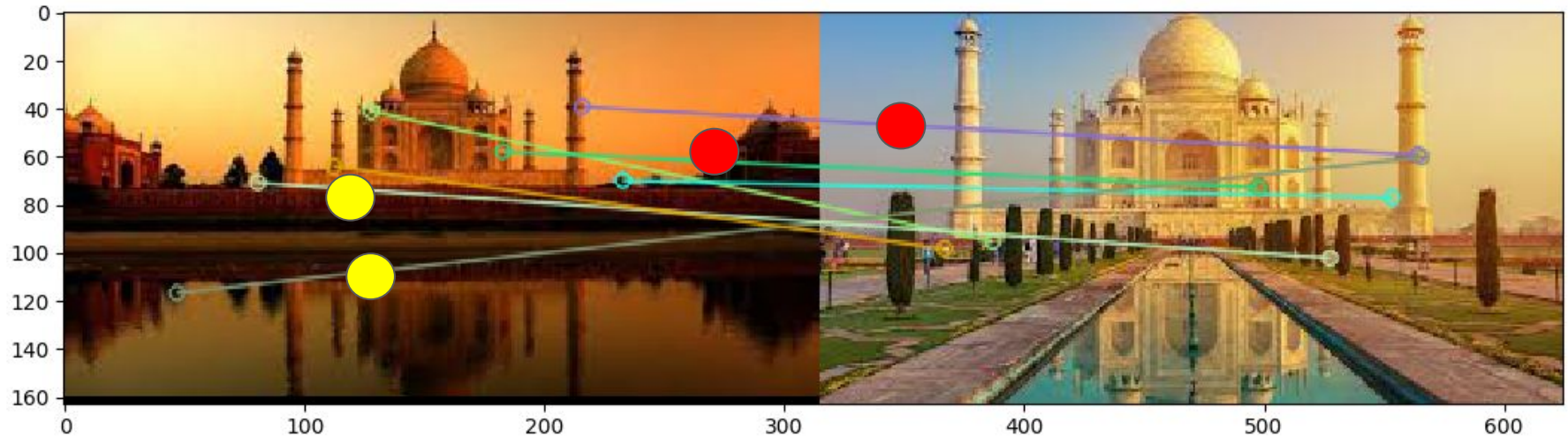
1. The lines joining the red dot perfectly matches the descriptors in both the images.

# Feature Matching : When the query image is tilted



1. The descriptors shown in red are perfectly matched in both the images.
2. Some of the descriptors do not match and may be got confused with the same texture, color and door designs in different parts of the Taj Mahal.(yellow Dot)

## Feature Matching : Different light conditions and water reflection.



1. The descriptors shown in red are perfectly matched in both the images.
2. Some of the descriptors do not match and may be got confused with the same texture, color and door designs in different parts of the Taj Mahal.(yellow Dot)



## Feature Matching : Different Monument Red Fort as a query image



1. The descriptors match because of the same architecture at some places like the dome, pillars, and dome windows in both the images.

Thank You