

## DIP ASSIGNMENT

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**AG#:** 2019-AG-6091

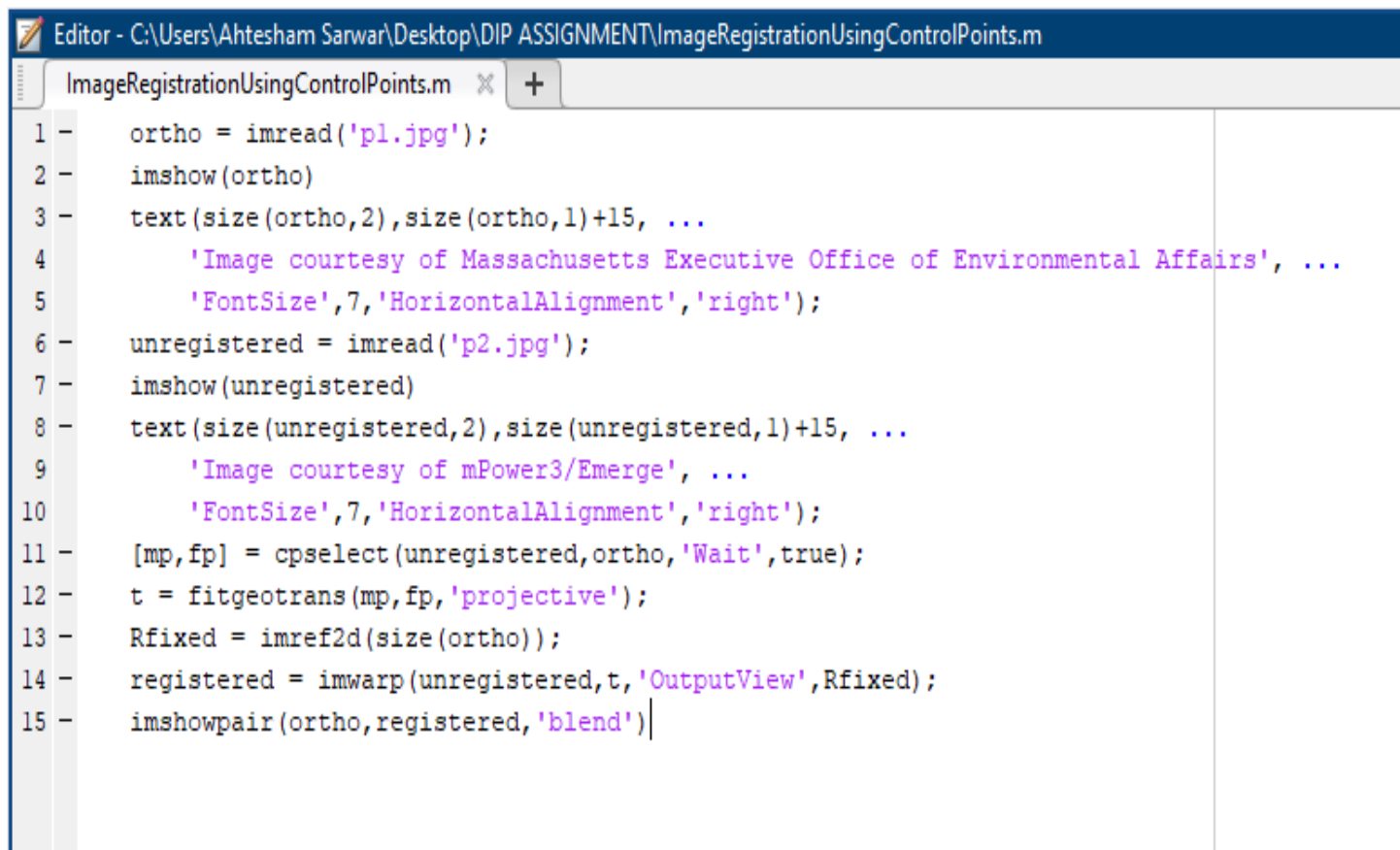
**CLASS:** BSCS 6<sup>th</sup>

**SUBJECT:** Digital Image Processing

**DATE:** 19 May, 2022

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**CODE:**

A screenshot of a MATLAB Editor window. The title bar reads "Editor - C:\Users\Ahtesham Sarwar\Desktop\DIP ASSIGNMENT\ImageRegistrationUsingControlPoints.m". The window contains a single tab titled "ImageRegistrationUsingControlPoints.m". The code is as follows:

```
1 - ortho = imread('p1.jpg');
2 - imshow(ortho)
3 - text(size(ortho,2),size(ortho,1)+15, ...
4     'Image courtesy of Massachusetts Executive Office of Environmental Affairs', ...
5     'FontSize',7,'HorizontalAlignment','right');
6 - unregistered = imread('p2.jpg');
7 - imshow(unregistered)
8 - text(size(unregistered,2),size(unregistered,1)+15, ...
9     'Image courtesy of mPower3/Emerge', ...
10    'FontSize',7,'HorizontalAlignment','right');
11 - [mp,fp] = cpselect(unregistered,ortho,'Wait',true);
12 - t = fitgeotrans(mp,fp,'projective');
13 - Rfixed = imref2d(size(ortho));
14 - registered = imwarp(unregistered,t,'OutputView',Rfixed);
15 - imshowpair(ortho,registered,'blend')|
```

OUTPUT:

