

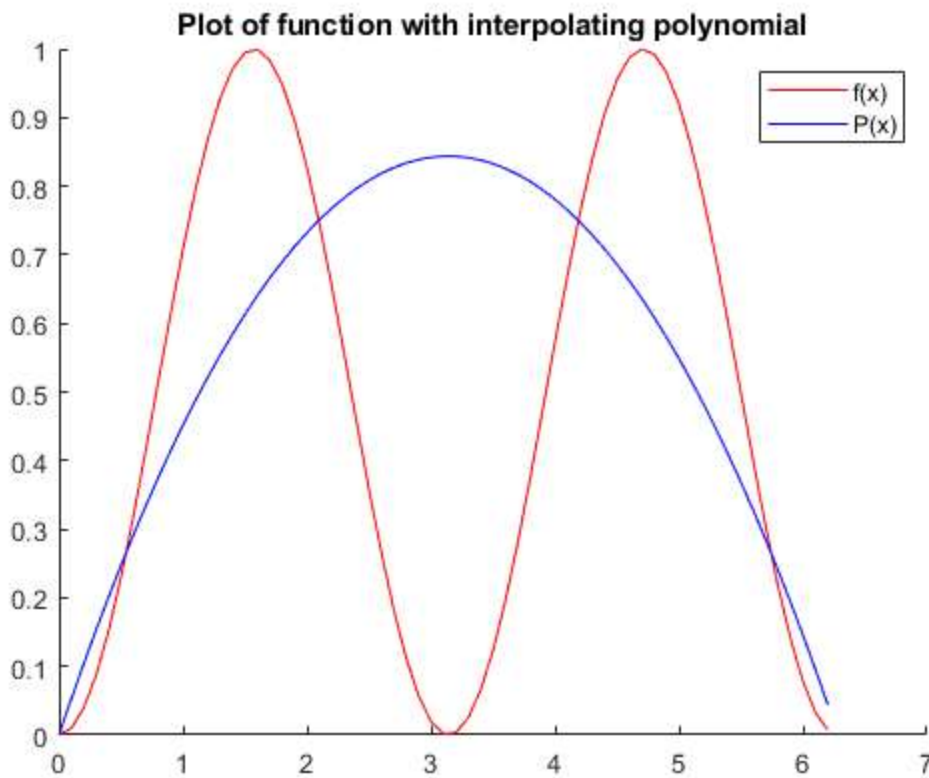
Swapnil Daxini (V00861672) Assignment 5

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Question 1 Part b

```
x = [0:0.1:2*pi];  
y = sin(x).^2;  
  
% Define interpolating polynomial  
P = (-27/(32*pi^2))*x.^2+(27/(16*pi))*x;  
  
hold on  
  
plot(x, y, 'Red', x, P, 'Blue')  
title('Plot of function with interpolating polynomial')  
legend({'f(x)', 'P(x)'})  
  
hold off
```



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