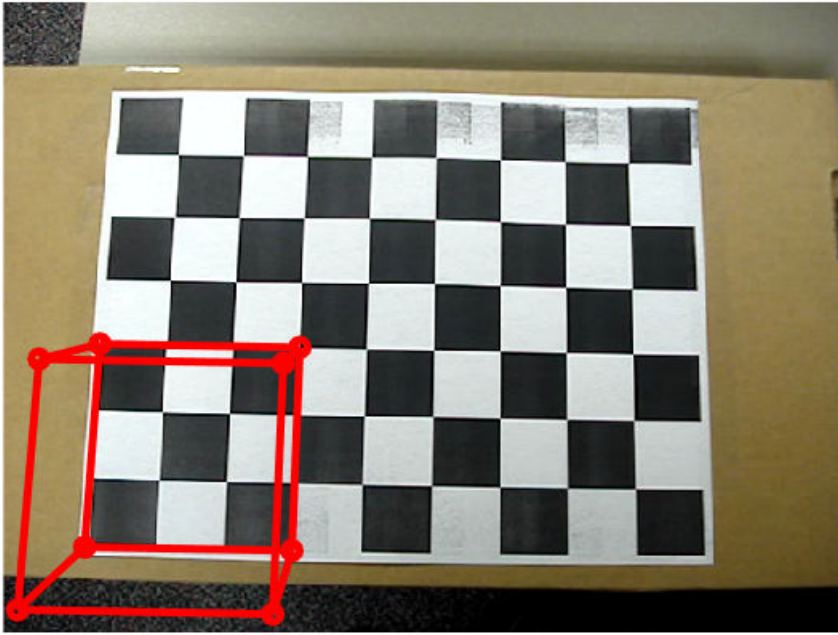(b). Augmenting an Object
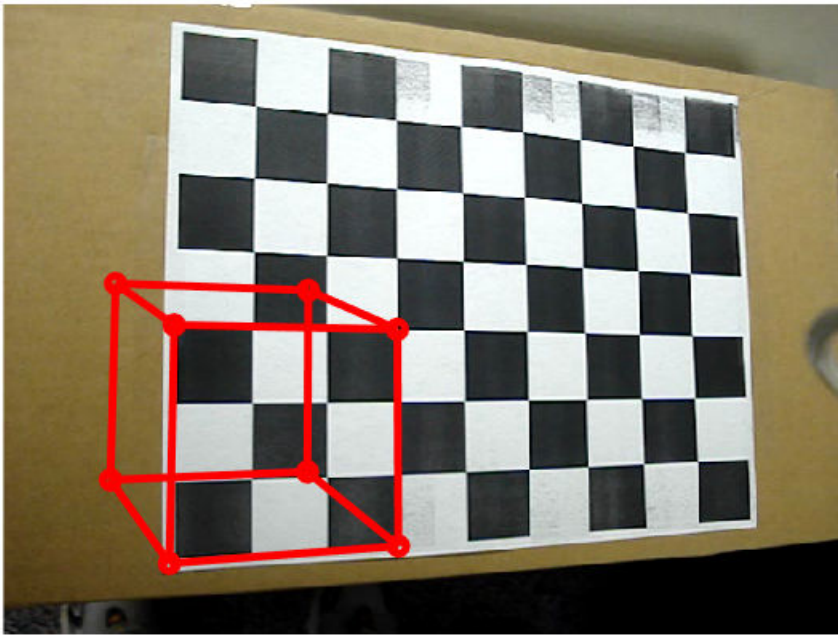
```
Cube=[0 90 90;90 90 90; 90 0 90;0 0 90;0 90 0;90 90 0;90 0 0;0 0 0];
edges=[1 2;1 4;2 3;3 4;5 6;5 8;6 7;7 8;1 5;2 6;3 7;4 8];
J=[]
```

J =

     []

```
for i=1:4
 fprintf("-------------------------------%s------------------------------ \n",images
 I=imread(images(i));
 R=Rs(:,:,i);
 T=Ts(:,i);
 figure, imshow(I)
 hold on
 points=[];
 for point_no=1:8
     point=Cube(point_no,:);
     X1=[transpose(point);1];
     X2=A*[R T]*X1;
     X2=X2/X2(3);
     points=[points [X2(1);X2(2)]];
  end
  for edge_no=1:12
     edge=edges(edge_no,:);
     X=[points(1,edge(1)),points(1,edge(2))];
     Y=[points(2,edge(1)),points(2,edge(2))];
     p=plot(X,Y,'-or');
     p.LineWidth =3;
  end
 snapnow;
end
```
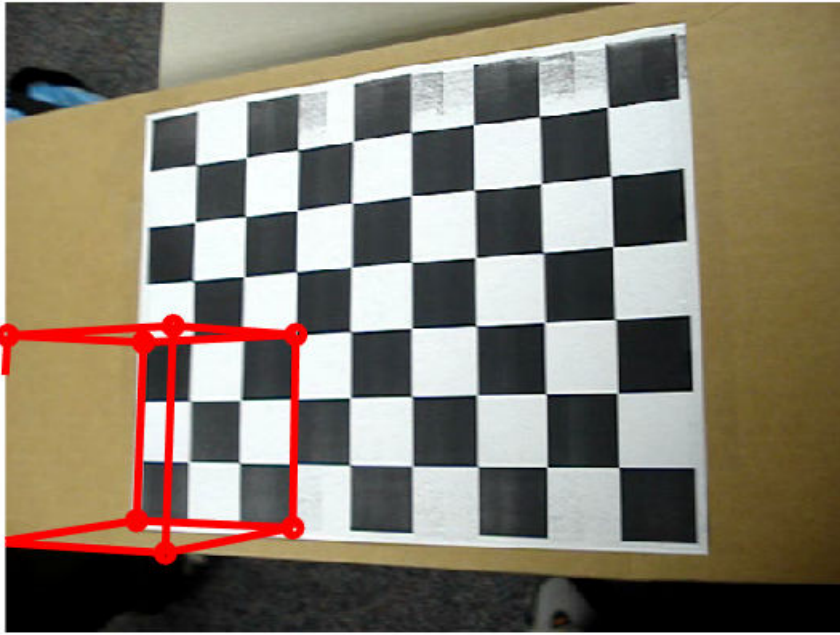
------------------------------images2.png------------------------------

1

————————————————————————————images9.png————————————————————————

————————————————————————————images12.png————————————————————————

----------------------------------images20.png----------------------------------