The component of u orthogonal to wis Project u = u - Project =(1,1,1) - (1/25,1,-3/25)

Projutu = (21/25,0,28/25)

To convert a basis vectors Ui, UL, — Un in an orthogonal Perpendicular vectors Perform the following Computations.

Step 01 Vi = Ui

Step 02 V2 = U2 - Projw, U2

V2 = U2 - < (12, V1) V1