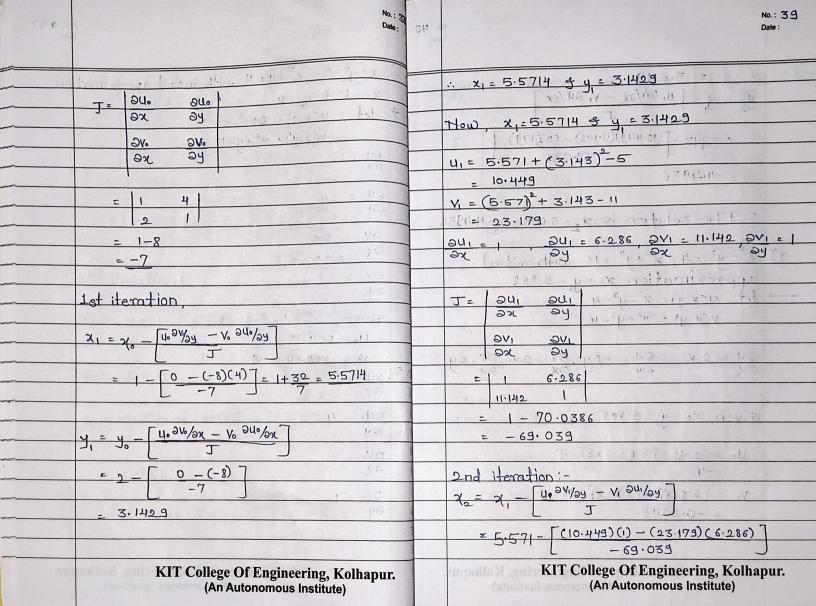


KIT College Of Engineering, Kolhapur. (An Autonomous Institute)

ur. KIT College Of Engineering, Kolhapur.
(An Autonomous Institute)



approximation $x_0 = y = 2.828$ let, $u(x,y) = x^2 - y^2 - 4$ $v(x,y) = x^2 + y^2 - 16$

Fixen, No = 4 = 2.828 > 820 08 =

: 40 = (2.828)2-4 =-4 = milionali ha C

1st iteration: x = x - [4, 84, 94 - 4, 94, 94]

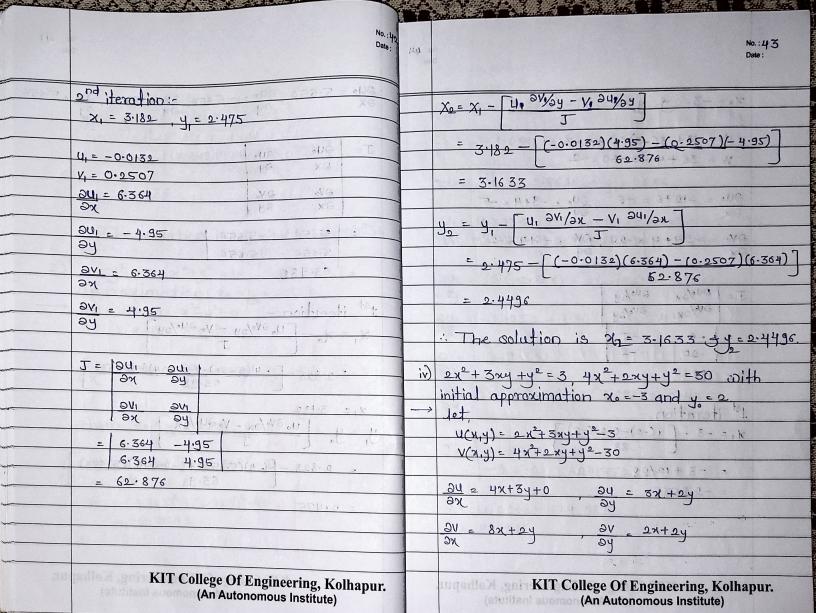
= 2.828 - (-4)(5.656)-(-0.004)(-5.656)

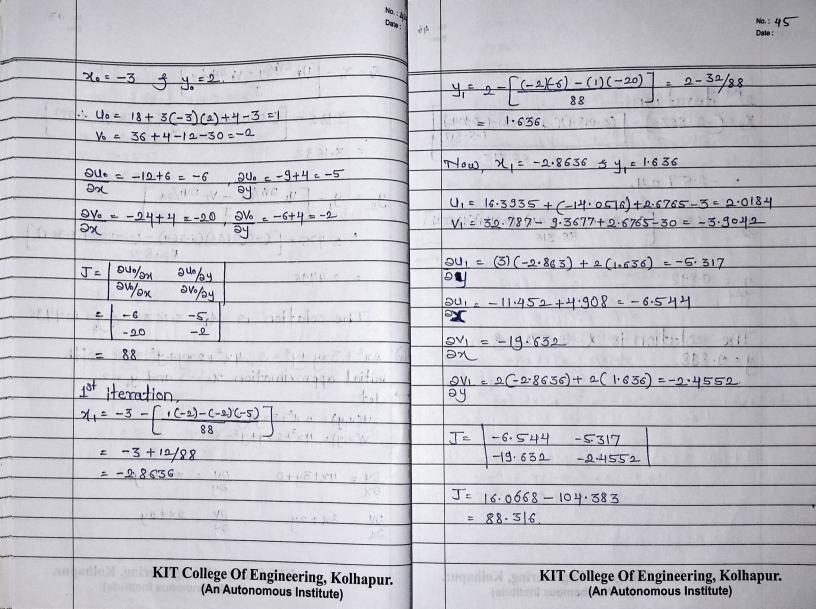
KG/0460V - KG/0460H 2.828 - (-4)(5.656) + (-0.004) (5.656) 63.98

= 2.475 KIT College Of Engineering, Kolhapur.

(An Autonomous Institute)

Vo = (2.828)2+(2.828)2-16; = -0.0048 (080 2) (equal) (1) (equal) (6 280) KIT College Of Engineering, Kolhapur. (An Autonomous Institute)





X2=(-2.8636)- (2.0184)(-2.4552)-(-3.9042)
(-5.317 231 - 1 - 1 - 88:316 (-3.9042)(-6.544)-(2.0184)(-19.632) 88.316 The solution is x=-2.5724 & y=0.898

KIT College Of Engineering, Kolhapur.
(An Autonomous Institute)

0668-104.883