Robotic Vision Assignment NO 4:-

A1. The given system is holonomic & the notion is characterized by the following model.

n=Vn.

9=04

Considering the initial actual position to be given by [ n'actual ] & the final point to be Indesired ]

by actual | Galerian |

considering the initial actual position to be given by actual |

considering the initial actual position to be given |

by actual | Galerian |

considering the initial actual position to be given |

by actual | Galerian |

considering the initial actual position to be given |

considering the initial actual position to be given |

considering the initial actual position to be given |

considering the initial actual position to be given |

considering the initial actual position to be given |

considering the initial actual position |

Now Error; E = Xactual - X desired e(t) = (Xactual(t)) - X desired(t) y actual(t) - y desired(t) O actual(t) - O desired(t)

ė(t) = [ in actual - Kidesvied]

j'actual - j'alesvied]

j'actual - j'alesvied]

Now we know,  $e(t) = -\lambda e(t)$ .

$$\begin{cases} \text{Substituting values for } n, y \in 0, \text{ we get,} \\ Vx - \text{indexined} \\ Vy - \text{y cleaned} \\ Vy - \text{y cleaned} \\ V = -2 \\ \text{y activel} - \text{y cleaned} \\ Vy = -2 \\ \text{y activel} - \text{y cleaned} \\ Vy = -2 \\ \text{y activel} - \text{y cleaned} \\ Vy = -2 \\ \text{y cotivel} - \text{y cleaned} \\ Vy = -2 \\ \text{y cotivel} - \text{y cleaned} \\ Vy = -2 \\ \text{y cleaned} \\ Vy = -$$

 $\dot{y}(o) = -3\dot{y}$ ; + $\dot{b}\dot{y} = \dot{k}$ ;  $\dot{s}\dot{\omega}\dot{\theta}$ ; Generated by CamScanner from intsig.com

