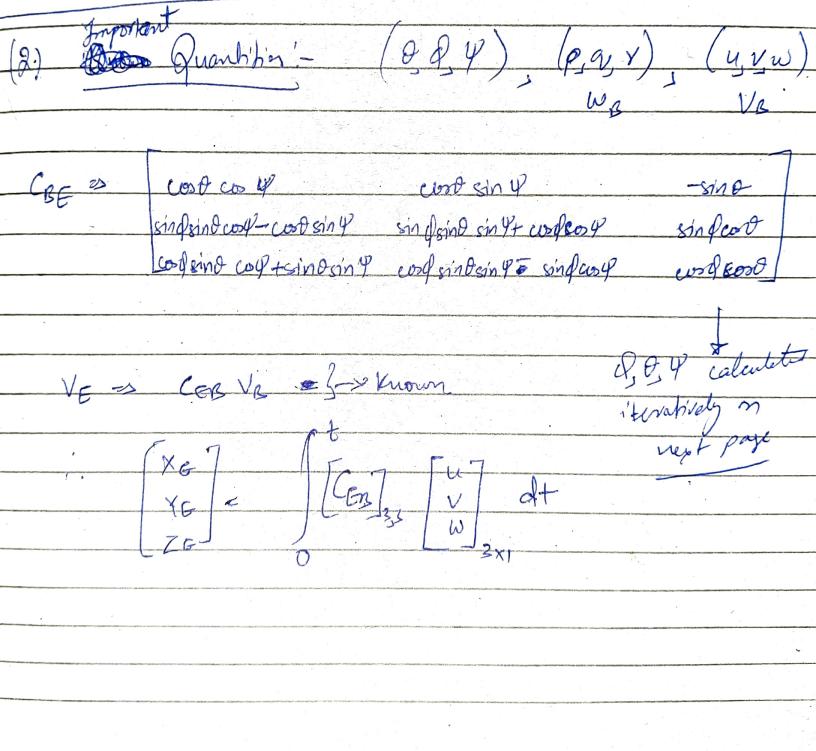
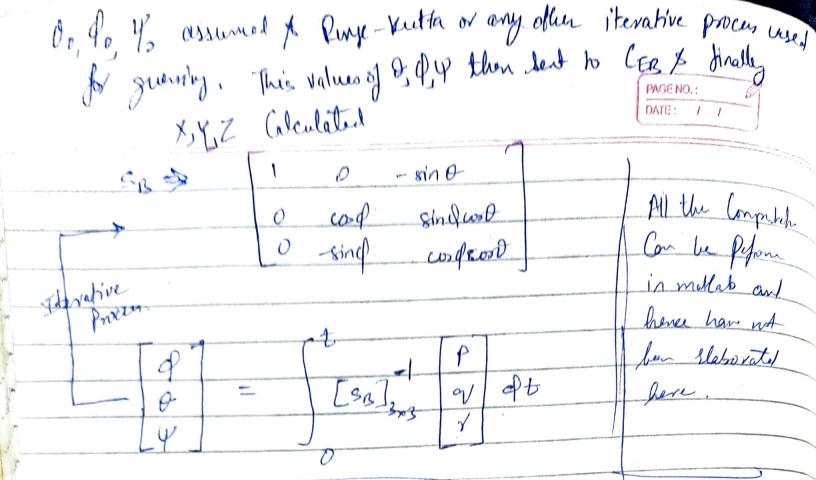
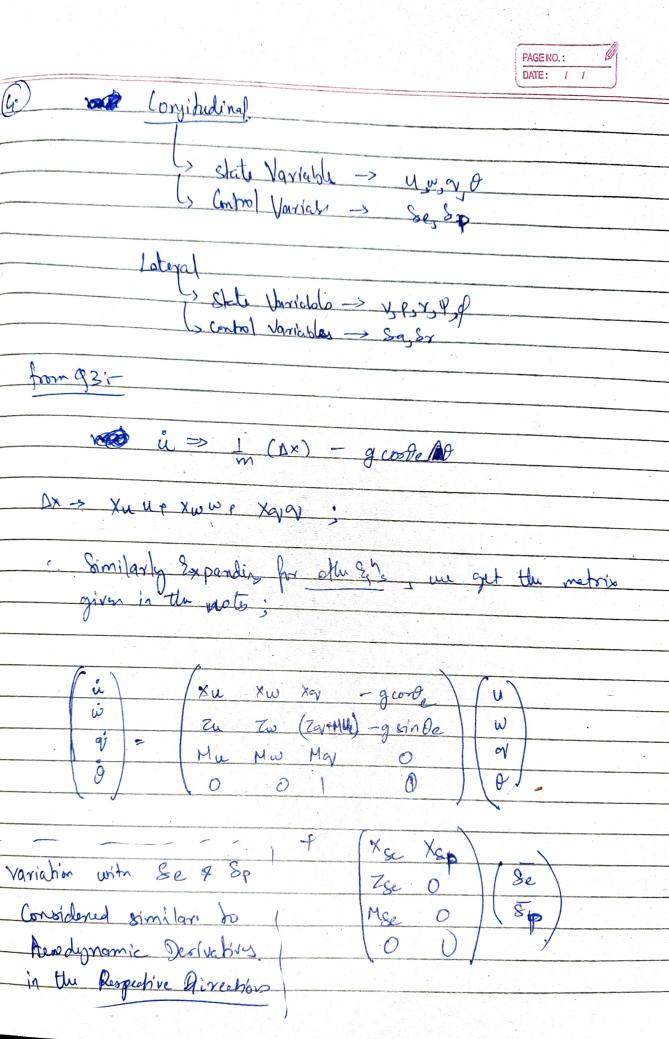
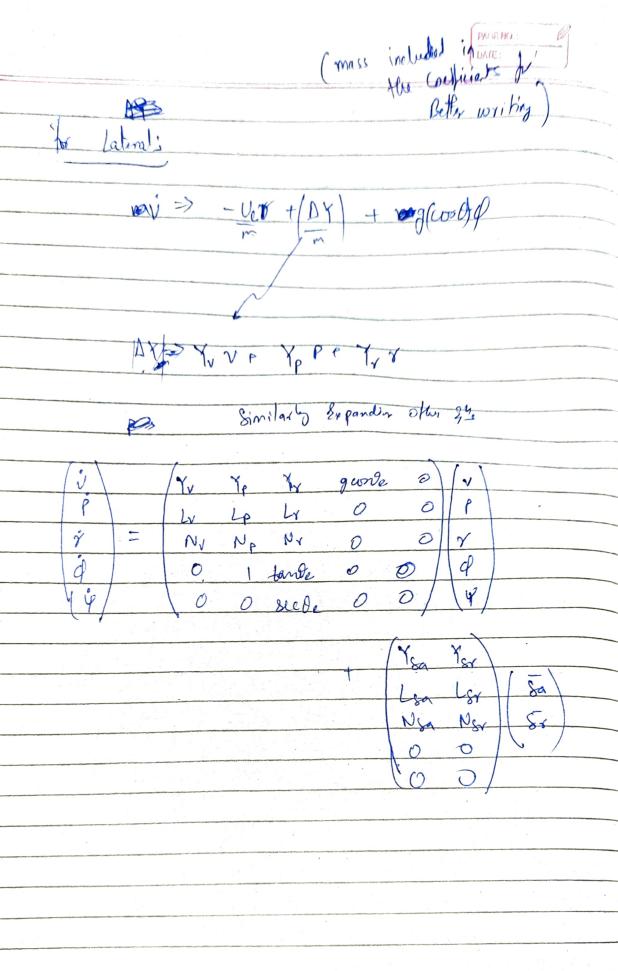
PAGE NO .: fr = m (ve + we x Ve) X = m(upqw-yv) u = /m - 9/w+8V X = m(veru-pw) v = Ym + ou + pw Z = m(w + pv - qu) is = 7m-pv+qu In= wBx ZBwB + ZBWB TB- WBx (Igwa) = In win Is Tra-wex (Town) 200 Jay 7x2 tr- was (hos) Jylu O - Jylu L-P9/INZ+ (Jyy-Ir) or We o 0 Instributo M- July + In (82-p2) + (Izz-In) 8 Tay In O In the N+ Janger - Tryper + (200- Try) per (P) All terms as numbered in gues

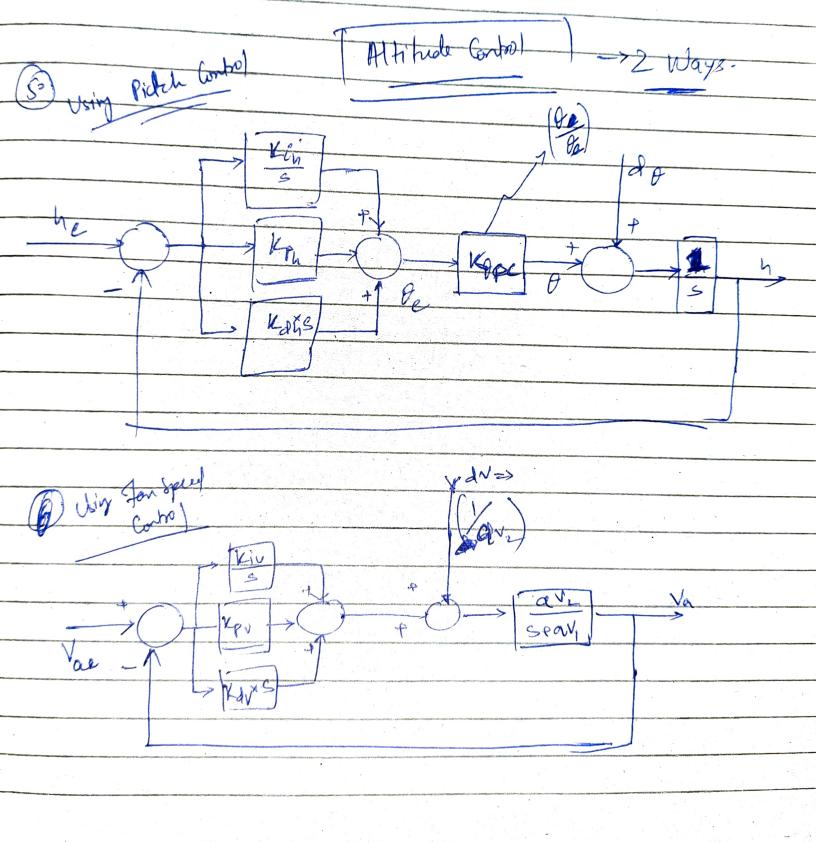




X- mg sino = m (ii+ QW- RV) (Xet Ax) - mg (sin le + Ad cos de) = m Aci xe-mgshte =0 DX - mg corde DO = m Die Dx = [xu xw xy xi-xi xa] finearized System of & m/-Xe + DX - mg (sinte + DO coole) = m Die Te+ AT+ mg (Apcorte) = m (air Ver) Zet Dz + mg (corde - Adein de) = m (his p - Usy) Leed La Inp-Inv Me AM = Tyg Net AN = - Izope Inix De - pertante Dy = rsie le







Level- Coordinated Turn > Same level (height Control) Roll Required (Roll' Control') de > Body from -> Body Ham. MN Input data Seroor detail らるが My p (P.O.Y) Garth Velocity Location wirt Earth

	DATE: / /
(8) Non-linear Model	
Accurate Modelling without any	assimptions
Frond for simulating fingle semarios	
linearized Madel	
The Ear he Sealed & Earthy used for Compl	es Modelling
Can be Essily und for Practical Seenoris	es with
Complex force junctions 1	
(a) currently apart from linearization, or few other	exemplos
are also made, like Symonetric airplane, etc. wh	ich read to
bu faten into considerations, turthermore, the plan c	on by yerah
in a wide vory of operations x analysis needs to consider veguriroments before using the aquations x models.	In the Mission
requirements before using the Ogyethous K models.	
	The same of the sa
	•