Mansi Uniyal Part 4 19EE10039 Conducted and Radiated EMI Sources produce the other source of Emi En another postion of board.

3 compricated coupling? Noise Source: -- Amplified Noise - Spurious harmonies - Switching noise - power bus vinejng - unideal clocks - other induced/coupled signal that originates from radiated Em 1. sources of radiated Emi carrity resonances in board Standing waves on unterminated forusmission lines Other source of conducted Emi that induces signal in redicating element / carrity.

(b) Digital part is very noisy. During & Switening digital coup. drew large fest current spikes from its supply. These have high noise munity. Analog part is very wulnerable to noise So if we keep their digital and analog ground same, there will be high probability that noise from digital circuit affects analog vircuit, So it becomes a mixed signal. This issue with keeping amalog and digital ground some and hence it is essential to seperate analog from digital concritary. PPPP もちもちももちゃ

(0) - common ground impedance - common mode radiated field to cable - differential mode — "\_ conductive peth via power line. to Avoid Em1 Apprication of filters for any interference Use shield over cables conventional grounding of PCB and cabinet Sustaining seperation bett cables of different signal rules.
Prevent Mctim equipment from recieving undesired radiation.