Romdom Id generator 1. USE CASE :-1. disten buted System 2. Unique Random tol 3. Reasonable Cize of the Random Id 40 100% Availability of the system HIGH CEVER design ?-Service 6distrubuted, Auch tenture Scalable generalor couriel Client Service POSHBLE PEGGNO-20 Flicker Centralized database 3. Twitter SounKlahe Arctichect

4. CONSTRAINST: 10 UVId \_\_\_\_ 128 Bit Size a gaana difficult to lookese monte were and controlling (Not a good Column in coclase a Bottleneck of Not a good Column 30 Twitter Snoflake :-Along 1 164 Bils 10 Epoch timestromp - 41 bits
[694ears] 2. Machine ld 10 bits 1024 machines 30 Sequence Number \_\_\_ 12 bits