F.LA.T. - 4th Aug-2020 - DC . Formal Language and Machine's were developed by Noam Chambry. . And also FLAT has been introduced by: Alan Turing. Asleys tonb, Ai · Who invented FA? - W. Mc Collock and Walter Pitts - 1943 Emil Liampost has invented well formed formet (with) and mathematical logic computational theory or recursion theory. Significant Scientits: -1) Alonso Church: Church's Hypothesis 1) Stephan Kleene Kleene Closure or Kleene Stars · Kart Godel: Wff and mathematical logic. well formed formula. · Atan Turing: Turing Machine (basic of Church Turing hypothesis) In Medy Machine → Transition

Moore Machine → State Language: AA REL (DAND) LARECL (") found mo mortage an Strong · Methods to study language? Grammar (G): previously discussed. Language (1): generated from G. In TOC, L = Formal Language > 5= {0,163 $\Sigma = \{a, b\}$ w= {aq, tbb} do L = {a0, bb}

Machine: logical Machine - Denoted by M s as an accepting device : consumes string PLAT HAS BEEN G = generating device - generates string. → It is a collection of states. The RETARD OF T reputational Society Incoming amon: initial accountate double circled: final state 9= {90,9,9,929}

(b) 92 b Acepting Device initial

Initial

S: S

Contensitate final A A B B [generating device] 12 Parse Tree S -> BB [2nd Rule] [1 rule] S- AA → bB [4th RWe] [3rd Rule] → aA → bb \rightarrow aaCAREAC CON · Basic Operation on String: Length of Tease a String: without null characters elements present in the string. Iwl ((ardinality) ⇒ Concatination > Qw1 = {RAMA} W1.W2 W2 = {KRISNA} = {RAMAKRISNA} Reverse of a String: prefix of a String/suffn of a string. W= {ABC} Bo) w = {abaa} P(w)={ E, a, ab, aba} WR = {CBA} 5(w) = { E, a, aa, baa's ___ }