restdel

1 Effort = function of size

- 3 size = function of teature
- 3 Defects = tunction of size & schedule
- (4) schedule = function of effort and Resource

Algorithmundel

- 1 Effort = schedule \* Resource
  - (3) Effort = A > (6ize of program) + c

A.B.C = Emphinical derived constant

Goal Question Metnic

- (1) Goal?
- (3) Question chanacteristic?
- 3) Methics?

Decision maken model

Project
Decisions

info need.

ject measure

Tester, Quality

central Tendency

Vaniability

2 Deviation = 
$$|x_i - \bar{x}|$$
 ith module of module

3 Vaniance = 
$$\sum (\text{Deviation of module})^2$$
  
 $V = \sum (|x|-\bar{x})^2$   
 $V = \sum (|x|-\bar{x})^2$   
 $V = \sum (|x|-\bar{x})^2$ 

$$7x + 1 = 0 - 5$$
 $i = 1, 2, \dots 14$ 

pe = onte complexity Rating Pc = program complexity Rating

productivity

Avide line of

Jones

(11) Staff = 
$$\frac{FP}{150}$$

1 cyclomatic cc = E-N+2 itleselfonlowitch , cc = Binany decisions + 1 CC cyclomatic complexity atten removing (2) Essential (structural constraints) FCC ( while, if, else, switch, nepert, sequence) distinct Noot openators 3) Halsterd Metnic: N = (N, +N2) distinct no ot openand vocabulary n = mitha Volume V = Nlog2(n) Diffculty D = (112) 7 (12/12) Effort, E = V > D TOTAL openand No of How in (9) Information Flow Metnic IFC = (fanin) \* tenout)2 weighted IFC = Length , (tanin , fanout) 2 Length = LOC (without comment) no of flow out + no of data structure wnitten

Gamesti Cand Glass; compexity Matnice

$$C_{+} = S(+) + D_{+}$$
 $C_{+} = S(+) + D_{+}$ 
 $S_{+} = S(+) + D_{+}$ 
 $S_{+}$ 

POF

Probability distributed function, 
$$f(t) = K(2(t/c2)(e^{-(t/c)^2})$$

·· 
$$U = \frac{\text{Total}}{\text{No of defects in +m}}$$
 · X  $\frac{100}{40}$ 

Defect Density and complexity

Defect Density

Density

Complexity

Complexity

Goal

Lowest