## INTERMEDIATE COCOMO - BASED ESTIMATION FOR RESOURE. CS

function Points Of Project:

As from previous document of identifying ff

Junction points = 50

Convert fp to kloc:

As we are working on JavaScript, so the Standard for this is 47

KLOC = SO x 47 = 2.35 KLOC

O MODE:

Jemi-Detached

- features: fertains are more than Average.

- Team: In-Experience, just have 3 kills set
and prowledge.

| sa, the project is classfied as Semi-                                 |
|---|
| so, the project is classfied as Semi-<br>Detached due to its moderate |
| complexity and mixed team Experience                                  |
| ESTIMITION TOR MESCURE.   |

## COCOMO COST DRIVERS AND MULTIPLIERS

|   | Category                  | Cost Driver  | Rating       | Multiplier |
|---|---------------------------|--|--------------|------------|
|   |                           | The state of the s |              |            |
|   | Product                   | RELY.  | high         | 1.15       |
|   | Attributes                | DATA   | Nominal      | 1.00       |
|   |                           | CPLX   | V. ligh      | 1.65       |
|   |                           | 1 : 5 5 4 4  | The state of | 1011       |
|   | Herdine                   | TIME   | high         | 1.11       |
| 1 | Attributes                | STORE  | high         | 1.05       |
|   |                           | VIRT   | Nominal      | 1.00       |
|   |                           | TURN   | Nominal      | 1.00       |
|   |                           |  |              |            |
|   | Personnal.                | ACAP   | high         | 0.85       |
|   | Personnal .<br>Attributes | PCAP   | Nominal s    | 1.06       |
| 1 |                           | AEXP   | Nominal      | 1.00       |
|   |                           | VEXP   | Nominal      | 1.00       |
|   |                           | LEXP   | Nominal      | 1.00       |
| 1 |                           |  |              |            |

Project Attributes MODP TOOL 0.91 evate SCED Nominal 1.00 OCECCUING: & size = 2.35 kloc [ EAF = 2.5 So, Our project is Semi-Detached to Merefore Constants ace: a=3.0, b=1.12 C= 2.5 , d= 0.35 1. Effort Estimation: " Effort = ax (KLOC) x EAF = 3x (2.35)" x 1.5 ≈ 11:51 PM 2. Duration: : Durelion = Cx (Effort) d = 2.5 (11.51) 0-35 = 5.8 Months 3. Staffing: 0 00 Staffing = 11.51 2 2 persons

| O Duaton =                 | So,<br>OKLOC = 2.350 EAF = 150 Effort 11.51 PM<br>O Duetin = 5.8M O Size 2 persons |      |  |  |  |
|----------------------------|--|------|--|--|--|
| Sceou                      | 2NG:<br>1% of Effort Duration  |      | Description                                    |  |  |
| heg. & planing             | 10%  | 0.60 | Define Scope,<br>getter reg.                   |  |  |
| Derign                     | 20%  | 1.19 | UI/UX, Schema                                  |  |  |
| Coding                     | 40%  | 2.38 | MER STACT deu,<br>backend, API,                |  |  |
| Testing                    | 201.   | 1.19 | Frontend logic Unit testing,                   |  |  |
|                            |  |      | Integration testing                            |  |  |
| Deploy. & L. Decumentation | 101.   | 0.60 | Final deploy<br>user manuels<br>project report |  |  |