SNS COLLEGE OF ENGINEERING

Kurumbapalayam(Po), Coimbatore – 641 107
Accredited by NAAC-UGC with 'A' Grade
Approved by AICTE, Recognized by UGC & Affiliated to Anna University, Chennai

Department of Information Technology

Course Name – IT8075 Software Project Management
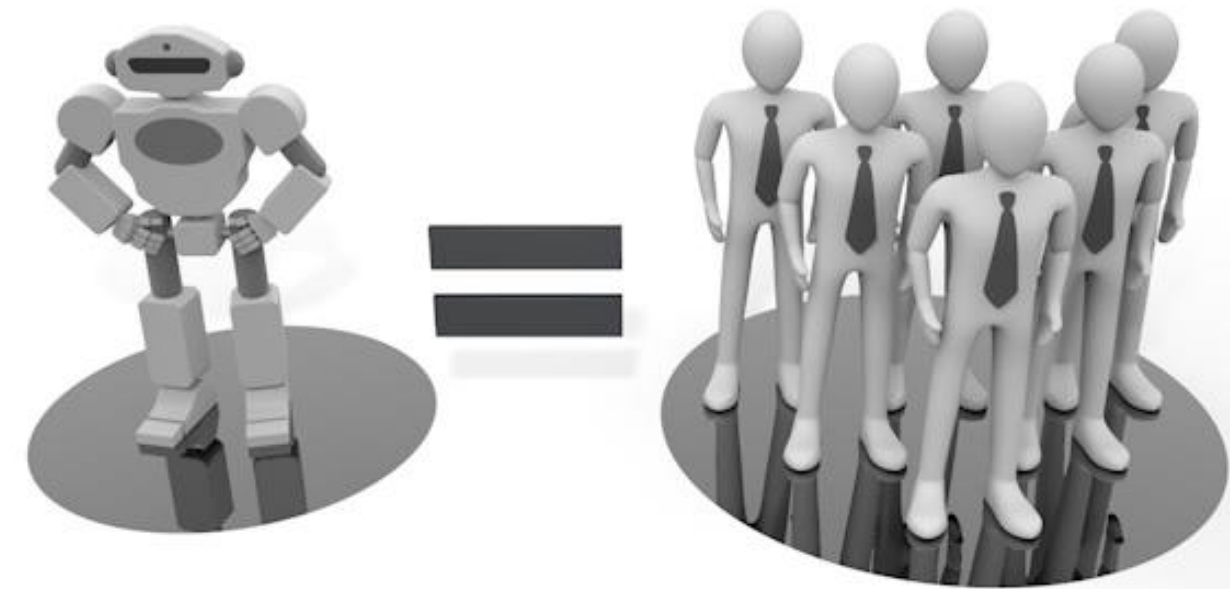
IV Year / VII Semester

Unit 2 – Project Lifecycle and Effort Estimation

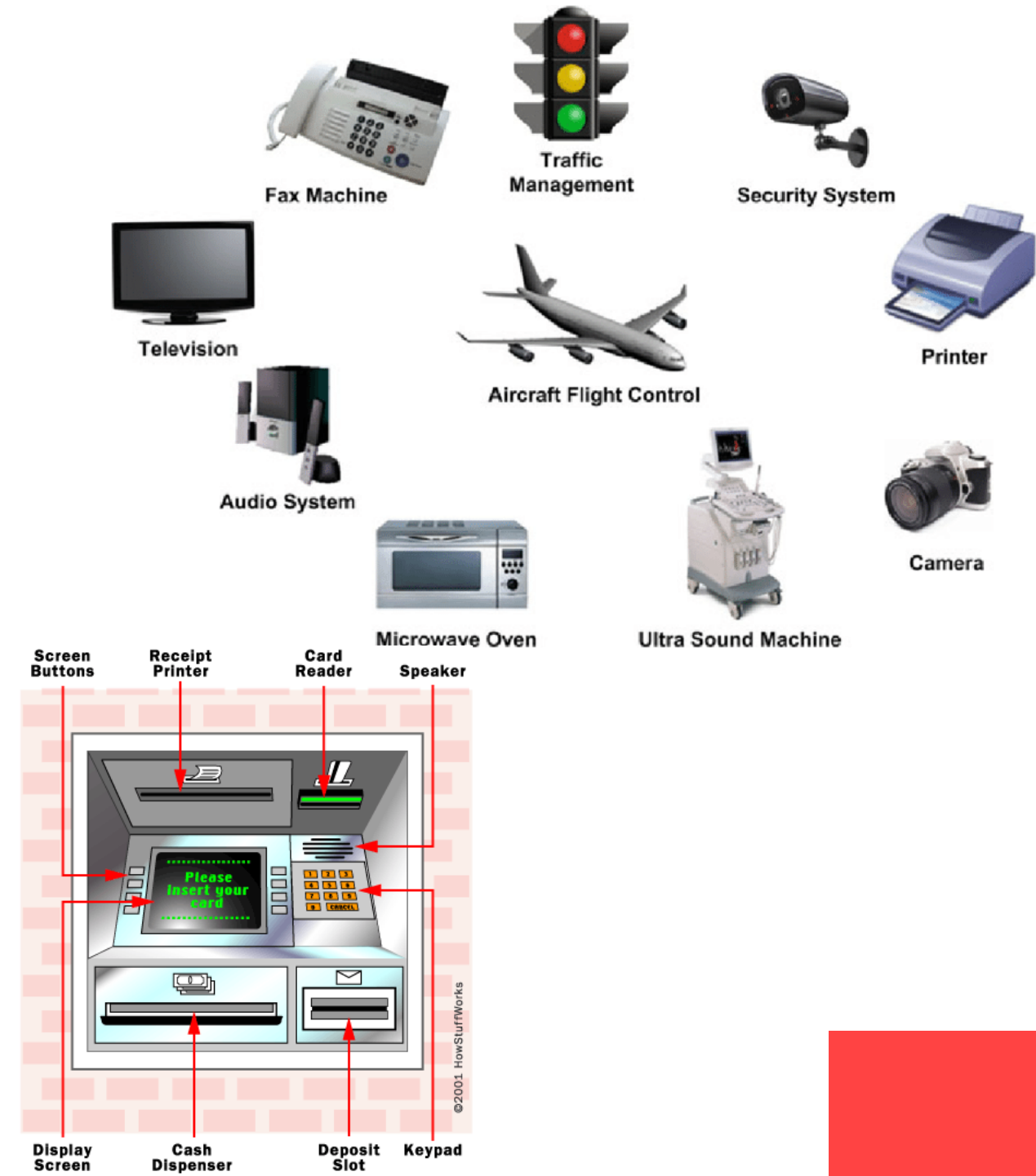## Topic 8- COSMIC Full Functional Points

Answer following question

40 men can catch 200 sharks in 20 days working 6 hours a day. In how many days 25 men can catch 300 sharks working 4 hours a day?
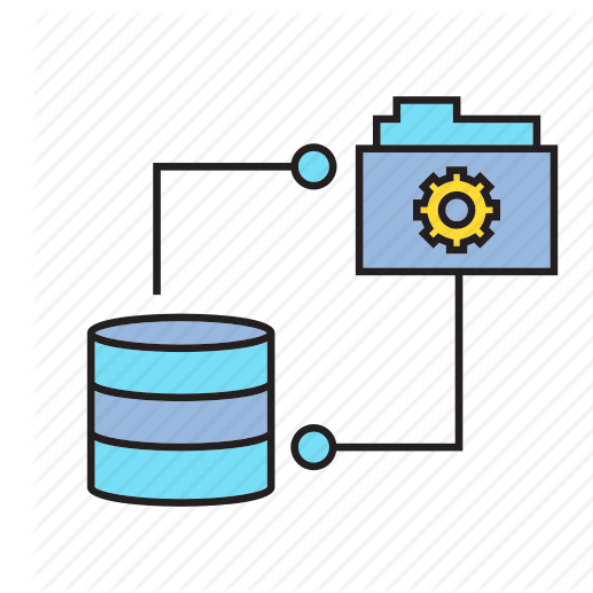
COSMIC Full Function Points

- COSMIC – Common Software Measurement International Consortium.

- Alternative for IFPUG

- Existing FP are not effective for Real time system or embedded system.

- COSMIC Solves by Decomposing system architecture into s/w layers.

- Service access and peer to peer communication.

- I/O aggregated as data groups

COSMIC Full Function Points

Data groups movement

- Entries (E) – subprocesses move data groups into s/w components from user outside its boundary.

- Exists (X)- subprocesses move data groups s/w components to user outside its boundary

- Reads (R) – data movements that moves data groups from persistent storage into s/w components

- Writes (W) – data movements that moves data groups from s/w components into persistent storage.

COSMIC Full Function Points

FFP Count

- Overall FFP = E+X+R+W

- Cfsu – COSMIC functional size unit

- Not suitable for systems involving complex mathematical algorithms

THANK YOU