## EHIPASSIKO presentation - 12'th April

## MARKS DISTRIBUTION:

Project | EHIPASSIKO presentation -> 25 Weekly interaction -> 25 End semester -> 50

- \* 15 groups, each 10 members -> by 23rd Jan
- \* choose project based on sir's metaphor

  \* demonstrate a single functionality, S.t. it appears to be

  Smart on 12th April based on the metaphor

SpadeX-Indigeneous project by ISRO (16th Jan)

- collective effort
- Space docking (smart robotic system), at Cryogenic temperatures

using context to realise the same functionality, in reality -> intelligence.

\* smartness -> behaviour

(how we use one functionalities to acheive something)

system :

parts + connections acheive purpose PCP

Smartness -> behaviour of system.
build system s.t. it matches the requirement defined
build system s.t. it matches the requirement defined f suspasses the condition & context.
· ·
depends on condition
depends on condition and context-
designure -> define condition & sequirements.
SYSTEM FUNCTIONA -LITY
Intelligence: measures an agent's ability to reheive goods
Intelligence: measures an agent's ability to reheive goods in a wide range of environments.
FUNCTIONALITY: "What a system does".
FUNCTIONALITY: "What a system does".  ENVIRONMENT: "Something that interacts with the
System".
PERSONALITY -> credible   reliable character  L> dependent on credible functionalities.
Ly dependent on credible functionalities.
amplification => information intensity 11 -> decision
amplification $\Longrightarrow$ information intensity $11 \Longrightarrow$ decision making $11$
·
intelligence 99
optimization -> select what's right for the system.
feedback loops -> helps decide execute functionalities
Gacheire egbm? -es

+ve feedback -> self-reinforcing feedback that amplifies current state.

-ve feedback -> seeks bollance, provides eqbm, opposes charge.

define a functionality from the image and justify it as a smart behaviour (for a specific purpose / condition)



1) context: self-defence; \* barks to scare away its
for itself predators (or) to call for
other members for safety
(group)

Safety for ; others f itself # barks to probably alert
Owner in case of unusual
Changes (prob, diff. sound)
# assert dominance to not
allow Intruders to enter its

territory.

Single functionality - for smartness - for a purpose