**Assignment 1 – CE202 – 2019-20 – Production Line Requirements**

# USE-CASES

1. USE CASE diagram for PRODUCTION LINE SUPERVISOR

A close up of a map

Description automatically generated

1. USE CASE diagram for PRODUCTION PLANNER

A close up of a map

Description automatically generated

1. USE CASE descriptions for the use-cases:
   1. START LINE RUN:

Name of use case: **START LINE RUN**

Pre-conditions:

* Enough raw material
* Enough operatives to perform the tasks
* Check schedule

Post conditions:

* Check production output

Purpose: Launch production

Description: This is where the production line gets initialised and everything (meaning the raw materials, the operatives, the production

* 1. RECORD EMPLOYEE JOINING THE LINE:

Name of use case: **RECORD EMPLOYEE JOINING THE LINE**

Pre-conditions:

* Register employee
* Assign employee to the line, according to the schedule

Post conditions:

* Assign information to the employee card

Purpose: Add employee to a line

Description: This is where employee gets added to the line

* 1. RECORD EMPLOYEE LEAVING THE LINE:

Name of use case: **RECORD EMPLOYEE LEAVING THE LINE**

Pre-conditions:

* Register employee
* Remove employee to the line, according to the schedule

Post conditions:

* Assign information to the employee card

Purpose: Remove an employee from a line

Description: This is where employee gets removed to the line

* 1. STOP LINE:

Name of use case: **STOP LINE**

Pre-conditions:

* If the line breaks or any emergencies or
* The production line has been completed for the set time frame

Post conditions:

* Line does not run

Purpose: To stop the production

Description: Stop production line

* 1. RECORD LINE PROBLEM:

Name of use case: **RECORD LINE PROBLEM**

Pre-conditions:

* Issues with raw material
* Issues with staff
* Issues with machinery

Post conditions:

* Line gets inspected

Purpose: Record issues on the line

Description: Record issues on the line

* 1. END LINE RUN:

Name of use case: **END LINE RUN**

Pre-conditions:

* Production has been completed
* Issues have been found

Post conditions:

* The production stops

Purpose: Stop production

Description: Finishing production

1. Possible CANDIDATE CLASSES

* Factory Manager
* Operatives
* Supervisors
* Product
* Line
* Piecework rates
* Production run
* Rates
* Job numbers