

Admin	where it is done	how it is done
Add/modify employees	Employee section	
assigns product for each line	in product section in the	Product -> edit -> assing to line
Decides the products	in product section	Create new Prodcut if not available
Decides the process flow of the product	in the line production section	Product -> details -> assign process flow
Sets the line target and SAH for each process	in the line product section in the process details	Product -> edit -> edit target Product -> details -> SAH for each process
assigns employee for each process	in line production section ie panel	production line -> details -> assign employee for each process (show process QR, employee QR, Target)
keep the default working hours of the employee as 8am - 9pm, but can be changed by the ie if required	in the attendance section in the ie panel	attendance section, attendance will be marked automaticall as default timing once the supervisor verifies mapping but can be changed in middle only by the IE if required for any employee

IE process	where it is done	how it is done
Decides the products	in product section in the ie panel	Create new Prodcut if not available
Decides the process flow of the product	in the line production section in the ie panel	Product -> details -> assign process flow
Sets the line target and SAH for each process	in the line product section in the process	Product -> edit -> edit target Product -> details ->
assigns product for each line	in product section in the ie panel	Product -> edit -> assing to line

assigns employee for each process	in line production section ie panel	production line -> details -> assign employee for each process (show process QR, employee QR, Target)
keep the default working hours of the employee as 8am - 9pm, but can be changed by the ie if required	in the attendance section in the ie panel	attendance section, attendance will be marked automaticall as default timing once the supervisor verifies mapping but can be changed in middle only by the IE if required for any employee

Line Supervisor	where it is done	how it is done
This is one time process for the supervisor to verify the mapped employee and input the materials given for that process or materials that's already		
Scans the process QR	Verify Maping section	<p>Select line -> Scan Process QR -> Scan Employee QR -> If mapped -> ask for materials input -> submit</p> <p>If mapped is different ->ask if you want ro remap the employee to the process -> if yes then remap, else again ask to scan employee QR -> yes -> ask for materials input -> submit</p>
Scans the employee QR		
check if both are as mapped by the ie show ask the material given and materials they already have in that process which it not worked save all these details by linking with the processs not the employee		
if not as if you want ro remap the employee to the process		
if yes then remap, else again ask to scan employee QR		
once maping verified ask the material given and materials they already have in that process which it not worked save all these details by linking with the processs not the employee		

once done mark attendance for the employee anytime mapped	Cant be modified by but can be view in attendance section	once the scanning is done, mark the employee as present and the general working hours - 8 default - if the employee leaves in mid day like 1 pm then the working hours will be 5 hours i.e., 8am to 1pm
if in middle any employee need to be changed and reassigned supervisor can simply repeat this process	Verify Mapping section	Select line -> Scan Process QR -> Scan Employee QR -> ask if you want to remap the employee to the process -> if yes then remap, else again ask to scan employee QR -> yes -> ask for materials input -> submit
This is a repeating process for every one hour		
Scans any QR by default process QR else employee QR gets a pop up showing the employee name ID and process name ID and the target and to enter these details materials work done in total materials forwarded materials done but not forwarded yet	Hourly progress section	Scan any QR -> Fetch the mapped details (Process - Employee) -> Show the inputs Total materials done working , Materials forwarded, materials done working but not forwarded -> Submit (this total materials done working is the T for efficiency calculation)
saves these details linked with the process and show each materials done - forwarded - not forwarded - materials remaining for each process		
	material tracking section	

Calculations		
	8 hours as working hours - $8 \times 60 \times 60$	
	28800	
	if target is 400	
TAKT TIME=	TOTAL AVAILABLE WORKING SECONDS/TARGET	
	72	

EFFICIENCY		
Exmaple data T=200	total Materials done by an employee input given by supervisor for every hour for each employee	
SAH=0.5	given by ie in the product proces flow	
MP=1	1 const as of now, provide options to change	
WH=8	8 hours default- can be changed, get input in hours.	
Efficiency = TARGET * SAH / MP*WH	Formula	
0.357142857		
35.71428571		