IM assignment - II Name - Syeda Recha anasar Roll no. - 14174802719 Section - 705 5C7 How do work study and measurement will be used by industrial engineers? What is me relevaance & time sendy in industry? Work measurement sindy is a general term used to describe the systematic application of industrial engineering toldiniques to establish the work content and time it should fake to complete a task Work measurement to a peroductivity improvem look befor improvements can be med , me current productiony level of an organisation must be measured This measurement is their used as a baseline to determine if improvement project have resulted is genine improvement Work measurement helps to amoves non value added areas of waste inconsiderely and non-standardizato that exist in the northplace environment. Work measurement sondies inverser ways to make work easter and to sproduce products or services more quickly and economically. Work is measured for following reasons. 1. to discover and eliminate lost or ineffective lune 2. To establish standard times of forformance measurements 4. To bet operating goals and expert ves. Time study is a souldward perocess to directly Objecting and measuring amon work using a

tion of the work by a qualified worker when working as a defined level of performance. The main objective ig lime stridy as to determine by A specified tark and house establish by standard June within which an average wother workey at a normal pac should complete the task using a specified method.

Mention it principles how it can being overall growth in the company. Any Total Quality Konegement (TOM) is the continual ferous of detecting and reducing or eleminating errors in manufacturing streamlining supply clain management , improving the customer enjerience , and ensuring that temployees are up

to speed with training. Total quality management arms to Irold all farties involved in me peraluction Junal personnes or dervice.

Inal personnet or dervice.

tomaple: Tem is considered a sustomer focused prounded focuses on constently impertury bus-Dies sperations. It souves to ensure all associated Employees work towards he common goal of informy In forsally or service quality, as Well as improving product or service quality as well as imporaving the perocedures that are in place for peroductions while tom originally in the manyacturing sector . To principles can be appered to a reasisty of

From Show is a form on long-term change rethers Than short term charge name man short term goals it provides a cohensive version for systemic change with the in mind, TOM is used in many industries including but not limited to, manyacurry, banking and finance and medicine. These fecuniques can be applied to all departments within on individual organization as well. This helps ensure all employees are working towards the goals set forth for the lompany, improving function in each area involved departments can include administration, marketing production & and employee training TOM overles all activities and Jayes needed to maintain a desired overall sevel of excellence within on business and its operations this includes the attermination of a greating policy of creating and implementing quality planning and assurance , measures covered and quality improvement

ans 3. Write a short modes on m following.

an Quality Control is a perocess Mesongh which a business reeks to ensure that products quality is maintaining or imperored. Quality control requires the conjung the creak an emissionment in which both management and employees their for perfection. In which they want is done by training personnel of creating benchmark for personnel of testing benchmark for personnel of testing personnel of the thirty produces to their for stability and

Algorificant variation of quality tontral is the establishment aspect of quality tontral is the establishment of help ment of help dependent on and healthon to quality diandard be training enount for earns by specifying which traduction activities are to be completed by which production activities are to be completed by which products due chances that employees presumed reduces due chances that employees presumed reduced in tasks for which they do will be involved in tasks for which they do

Tagneti Philosphy

Tagneti Inetrood to grat by constrol is an approach to engineering that emphasis we approach to engineering that emphasis we and evelopment, and evelopment in reducing peroducts design and development in mature occurrance of defects and faitures in mature occurrance of developed by Japaneers engineer and statician trenichi tagnetic considered and statician trenichi tagnetic considered design to be more important transme manufaction productor before the eliminate variances in productor before they can occur.

e) Benifit of Ovality Rircle.

conceptually Quality evicles can be described as conceptually Quality evicles can be described as estable small sproup of employees of the same work are work fact meets voluntarily and regularly to identify, analyze and resolve work delated peroblems.

This small group with every member of the

will participally to the work area and also help rely and mutual development up the process Thorough be form of ac the charmic problems of organization, whose which neally creak hurden in wor get revolved by the glass root limployees of Organization, whose humbeldge and experience Menorice is not fully utilized With such a capable work force organization for lastry undertake more dis icul and challenging vanigments for its grown and profit As the employees gain experience they take more that ellenging perjects in one course they undertake projects an cost godictor 3 marial handling, quality improvement preventing waxage, improving delivery, schedule, improving custome service, imperoring inspection and test methods preventing accidents infraving design and process et Cost reduction 5. Increase for duch vily Improved quality Beller communication Better have keeping Increased team work · Swoon working Better mutual fruit Orever sense of belongingness ancreased safety Better Irlinger relations in The graling will concept provides an apportunity to circle members to their remoon.

enjerience in bringing don't improvement in

hork they are engaged in by converling the challenging from the engineers and it contributes to the development of the employees and in terms being is development of the employees and in terms being in the programment as well are concept encourages in the sense and they sense the belongingness in circle members and they sense they have an important wall to play in the programment.

We kantam. System have to be supplem used in just for hands in investory worked supplem used in just for hands in investory worked langineer at Toyota and Jame in organizated langineer at Toyota and Jame in make provide cards that have have an interest as they sum on haven in the supplement of an area supplement to use what we to prompt the action headed to keep a process flowing.

The transan system when an item is turning law of an a signal of sessional station, there will be a visual use specifying how makes the easter form the suppler the person white the part makes the easter for the grantity indicated by the kantan of the supplier provides the exact amount requested.

Benchmarking is an process of measuring the performance of a company's products, services, or process against those of another business considered to be. the kest in the industry aka best in class! the point of benchmarking is to identify interval. The point of benchmarking is to

identify internal apportunities for improvement by studing company with superior prefermine, breaking down what makes such superior perfermence possible of their comprainty those processes to how your business aferates, you can implement changes that will yield significant improvements. That night mean twosting of feoducts jeterstures to more closely hustch a competitors offering at changing the expe of services you offer, or linstrilling a hew customer I relationship management (CEM) system to enable more perbuebled communication with customers. There are two pasic kinds of improvement apportunities. continuous of diamatic, confinuous improvement is inchemental, involving only small adjustments to leap sizeable advance Drametic Vinfrovence + can only some about though beengineering the whole interchal work process. In addition to hopping companies became more efficient of profitable, beach marking has other benefits, tho, such as: Improving employee understanding of east structures of interested placesses. 3) Encouraging team-building of cooperation in the interests of becoming more complitive (3) I Enhancing familiarity with key performance metrics of opposituation for improvement company wide. what do you think are some of the biggert reasons that employees are verticant to charge) Have are 12 reasons why employees resist

DATE : loss of Jab: This is a wajos reason of the just of the 10 reasons why employeer ruint Change I in the cont place - In an organizational esting any posesty technological advancement, working smarter, cost reduction, efficercy fastes turn around times. All those means staff of managers will resist the change that result in their doles being eliminated or reduce. From their perspective your the organization! The satisfaction that employees have with their job determins a portion of their reactions during times of changes. Bad communication strategy: This is unother crucial reason why Temployers result changes. planning on the list of 12 reasons why employees resist charge in the work place why I The communication of change from the outer could make or break Many because it fall under the the planning phase of change. The way in which any change process is communicated to employees within the longonization is a critical Jacker in determining their leaction. If you can't drammunicate what, why how, when who of what success with look like on how success is going to be measured, then, 3) shock of Feat of the unknown: This is yet another conscial reason why employees resist to deganization change

DATE can sarge from fear of paric to enthusiastic support.
During periods of change come employees may feel the need to ding to the fast because it was of more secure, predictable sine. If what they did in the past worked well for them, they may resist changing their behavior lost of fear that they will not achive as much in the juture. The less the Enganization knows about the changes of its impact on them, the more pearfull they become loss of control: This is a key leaver why l'employees resist change / Familiar voutine help employed develop a sent of control over their work enviolment. Being asked to change the way they operate may wake employees led powerless confined leaple are more likely to understand of form of control. when they feel they have some lack of competence: This is another mojor reason out of the 12 reason why employee to lesist change in the workplace this is a fear that to difficult for employees to admit aparty. But somet sharpe in organization necessitates changes in skills of some people will feel that they wont be able to make the tradsition well. Therefore they only way for them to try of survive is to kick against the I changes

look thing: This is another viable reason why employees resist change at wall hange must be introduced when there are no other major Initiatives going on sometime it is not what a leader does but it is how, when of why shees he does it that weater syistance to change! Un cluse resistance can occur because change are introduced in an injestive manner or at an lack of Reward: There is a common business Organizational employees will resist change when them of revouds without WIIFM or a reward. there is no motivation to support the change againstional revocal system must be aftered to support the change that management to implement. The remained does not have to always be major en costly B) office Politics: Every organization has its owns
share of in-house politics le, some surployers They may also resist showing that the person They may also resist showing that the person teaching the change is not up to the teask there employees are committed to seeing the

DATE :

(a) loss of support system: Employers already in their they get along with I who are appearing within predictable norther know their support system will tack them up during challenging times! changing the arganizational structure may shorke this completence in their support eyeseen. They may warry of on unfamilian phojects because they fear that if they try to fail their will be no one there to support them. of Former change Experience: Our attitudes about we have experienced the change in the past Fas instance, if in your organization, you can have handed change badly in the past, employees will have good reason for rebelling - Again in fersonal laves, how employees families realted to change dwing their early year is going to affect the way they view change Employees who live in the same house, shep at the same store, visit the same social elub, of drive the same unter daily throughout their Jame the year may have more difficulty dealing with charge than people who grub up inseveral different to neighbor hoods. The the same way these the same values of ethics may find it more difficult to appariise the oliversity todays workforce.

ack of trust of support : out of 12 reason Cemployees resist change in the contestace this is yet another to vital readors lucestal organizational change does not occurs in a climate of misterest. Trust, involves fait in the intentions of behaviour of others. Organizations where there is a thigh stegree of I thust of each individual employee is treated with respect of olignity, there is less resistance to change Emportry of peer Pressure: where we there we are introverted or extroverted, we are still social acquis. Organizational stakehelder will issist charge to protect the interest of a group, team filed of collegues. It is round for employees to resist charge to protect This could be pure because they symposthize with their priends because of the charge that has been thinkst at them. Manager too will resist change to protect their workgroups on friends. All these behaviors can sobotage the any change