

The Institution of Engineers (India)

AN ISO 9001 : 2008 CERTIFIED ORGANISATION
(Established 1920, Incorporated by Royal Charter 1935)

SILCHAR LOCAL CENTRE

Trunk Road, Silchar - 788 001, Assam, India



Er. G Dutta Choudhury, MIE
Chairman
Er. B Purkayastha, MIE
Hony. Secretary

Phone: (03842) 238945, 8812994606
7002914942
e-mail: silcharlc@ieindia.org
duttachoudhury.gdc@gmail.com
biswajitpurkayastha1960@gmail.com
www.ieisilcharlc.org

A Century of Service to the Nation

ACTIVITY REPORT

Lecture Meeting

on

SIX SIGMA

Er. Subhas Chandra Choudhury, MIE, a corporate member of Silchar Local centre delivered a lecture on **“SIX SIGMA”** on 6th Dec’ 2020 at 11-30 am physically at our Silchar local Centre. Er. Gautam Dutta Choudhury, Chairman of the Centre welcomed

Er. Subhas Chandra Choudhury. At the outset of the meeting Er. Subhas Chandra Choudhury speaker of the meeting pointed out that the basics of Six Sigma were actually designed in 1986 by Motorola to improve the performance in the manufacturing industry by quality control. The main purpose of this quality control system was to improve the manufacturing processes along with eliminating the number of defects found in them. Later, the Six Sigma methodology was extended to other types of industries all over the world.

ER. Choudhury narrates that how Six Sigma identifies and removes defect-causing elements along with reducing the changeability of the business and manufacturing processes to improve the quality of outputs in the engineering field from a manufacturing process which follows a defined set of steps to quantify the targeted value of the project and how the application of Six Sigma in manufacturing can help an organization reduce pollution, reduce the time cycle of one or more processes, and thus reduce the cost of production for increasing profits and satisfaction level of its customers.

He also enlighten that features of Six Sigma for improvement in the manufacturing industry include a clear focus on quantifying and measuring the financial returns of any project and allow an organization to clearly define the responsibilities and role of every individual within the team for improving the manufacturing process of the organization.

Er.Choudhury also discussed that how the Six Sigma production is to ensure the manufacturing process has minimum defects. The occurrence of 3.4 defects per

task—but most manufacturing companies achieve this final goal by adopting this technique to produce quality products in the engineering field.

In his nice delivery, Er.Choudhury mentioned that once a project or goal is defined, the organization follows the disciplined Six Sigma process that's defined by four phases:

1. Measure

In this step, the organization measures existing systems to learn what can be considered a baseline or benchmark, among other things.

2. Analyze

This step focuses on analyzing the system to identify ways to eliminate defects. This can be done in a variety of ways, including statistical analysis to determine the root cause of an issue.

3. Improve

During this step, project teams seek optimal solutions, then develop and test the plan of action for improving a process or goal.

4. Control

The Control step can be ongoing—an organization may modify operating instructions, policies, or procedures to help prevent future defects.

The Question and answer/Feedback session was conducted at the end of the presentation.

At the end of the programme, Er. Biswajit Purkayastha, Honorary Secretary of the centre offered the vote of thanks to the members present. The Lecture meeting came to an end with the National Anthem.

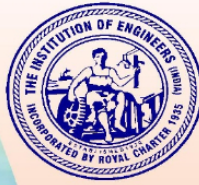


Speaker
Er. Subhash Chandra Choudhury

Past Chairman & Member Executive
Committee

Date: 06-12-2020

Time: 11 AM,(Sunday), **Venue: SLC**



The Institution of Engineers (India)
SILCHAR LOCAL CENTRE
TRUNK ROAD, SILCHAR 788001

Dear Corporate Members,

On behalf of IE(I) Silchar local centre, we cordially invite all our corporate members, non member practising engineers, engineering students and researchers to attend the lecture meeting Physically at our Local Centre Premises on the eve of centenary celebration of IE(I) on the topic "**SIX SIGMA**".

Er Gautam Dutta Choudhury, MIE
Chairman

Er Biswajit Purkayastha, MIE
Honorary Secretary



IEI HEAD QUARTERS

8 Gokhale Road, Kolkata - 700 020

Phone : (033) 2223 8311/14/15/16/33/40106299, Fax : (033) 2223 8345, Website : www.ieindia.org