

MP BIRLA INSTITUTE OF MANAGEMENT BUSINESS LEADERSHIP FORUM

Introduction to LEAN - SIX SIGMA and ISO Standards

Speaker: Mr. Paul Raj

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Business leadership forum of M.P. Birla Institute of Management is one of the Benchmarking best practices at MPBIM where experts share their experiences. The main objective of this forum is to inspire and strengthen student executive's knowledge as well as equip them with practical information which will help them in their career and also lead life in a better way.



The program conducted by Sri Paul Raj CEO of Capskills and former Managing Director of HMT Watches Ltd., was based on Lean Six Sigma and how these two aspects help the student executives in reducing the waste and improving the quality of output in the manufacturing industry. The program was all about waste reduction and providing better quality products for the customers.

The student executives were given brief explanation about six sigma and various aspects related to the topic. At the end of the session the students were made aware of the certificate programs which ISO standards are providing to the students.



Sri Paul Raj began the session by asking the student executives which are the industries they have visited and who all are interested to work in the industries. Later on the speaker addressed how one can mould oneself to be successful. They should be goal oriented, fearless, ambitious, hard worker, smart work and practice is required.



Next challenge was what Lean six sigma is and how this two aspects will help in reducing the waste and removing the causes of defect and minimizing variability. Lean six sigma helps to meet the customer expectation; it also helps in the growth and profits of the organization. The students should know that through lean they can increase the speed of production and through six sigma they can improve the quality of the product.

The speaker also addressed the aspects like **MUDA, MURI and MURA** developed by Toyota. Toyota has developed its production system around eliminating three enemies of Lean: **Muda**(waste), **Muri** (overburden) and **Mura** (unevenness) (Liker, 2004).

Muda is the direct obstacle of flow. As written below, there are 8 distinctive types of

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muda which all lead to waiting times, and therefore longer lead times in a process. **MURI**, overburden, can result from Mura, and from removing too much Muda (waste) from the process. **MURA**, unevenness, can be found in fluctuation in customer demand, process times per product or variation of cycle times for different operators. In production environments with low-volume,



The speaker gave a brief about 8 wastes of lean and 5 lean principles which helps the student executives who would like to work in the industries. As we are aware Japanese brought so many new techniques which are making our work easier this is possible through lean - six sigma. The speaker told the students about the 5S/6S systems which is to get work place cleaned up and also showed us the belt hierarchy of six sigma. Finally it was a useful session which gave all the student executives a clear idea of various certification courses on quality, environment, health & safety, food & drug which ISO standards are providing.

The program was initiated and coordinated by Dr. Sumithra Sreenath and Mr. Praveen Savadi.

