



## MANGALMAY INSTITUTE OF MANAGEMENT & TECHNOLOGY

(Approved by AICTE, New Delhi & Affiliated to AKTU, Lucknow)

Knowledge Park-II, Greater Noida (U.P.)



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Date: 18-12-2023

### NOTICE

Mangalmay Institute of Management & Technology is going to organise the certification program: "SIX SIGMA YELLOW & GREEN BELT" for the students of MBA 2<sup>nd</sup> year with operation specialization as per following details:

**Starting Date:** 19<sup>th</sup> December, 2023

**Total Duration:** 35 Hours

**Venue:** MBA Classroom (001, Block – A)

**Beneficiaries:** MBA 2<sup>nd</sup> Year (Operation Specialization)

**Resource Person:** Ms. Geetika Tiwari, Senior Trainer, Quality Assurance & Quality Management System

**Faculty Coordinator:** Ms. Divya Singh, Faculty, MIMT

**Dr. Lalit Kumar Sharma**  
Dean, MIMT

**Copy to:**  
Director Office  
IQAC Director  
Faculty members  
Notice Board



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**MANGALMAY**  
INSTITUTE OF MANAGEMENT AND TECHNOLOGY



### Value Added Certification program

**SIX SIGMA YELLOW AND GREEN BELT**

Starting from 19<sup>th</sup> December 2023

For MBA 2<sup>nd</sup> Year  
(Operation Specialization)

Coordinator  
Ms. DIVYA SINGH  
Faculty, MIMT



**Ms. GEETIKA TIWARI**

Senior trainer, quality assurance  
and quality management system



Toll Free : 1800 103 3797



[www.mimt.org](http://www.mimt.org)



Plot No. 8 & 9, Knowledge Park-II,  
Greater Noida, Delhi-NCR, India

## SYALLABUS

### SIX SIGMA YELLOW AND GREEN BELT

**DURATION: 32 HOURS**

<b>S NO.</b>	<b>CONTENT</b>
<b>1.</b>	Current challenges, History of Six sigma, six sigma definition, benefits. Understanding Six sigma DMAIC (Define, Measure, Analyse, Improve and Control)
<b>2.</b>	Define Phase: Customer requirements, problem and goal statements, SMART goals, Six sigma Organization, Project charter, SIPOC.
<b>3.</b>	Measure phase: why measure?, use of statistics, classification of data, Branches of Statistics, Sampling and statistics, Data, Defining the Y's and Drill Down, examples of drill down, evaluating the measurement system, measurement accuracy and precision, measurement system variation, process control and capability.
<b>4.</b>	Analyse Phase: Sources of variation, funneling effect, analyse tools, 7 basic tools- how helpful in six sigma, actual working in mini tab
<b>5.</b>	Improve Phase: Basics & objectives, brainstorming, poka yoke (mistake proofing), types of poka yoke, 5s, types of wastes, discussion on live examples from daily life.
<b>6.</b>	Control Phase: Visual controls, control plan, work instructions/ SOPs- activity based, Q&A.



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## SCHEDULE

### SIX SIGMA WORKSHOP FOR STUDENTS(OUTLINE)

#### Day1:

- Current Challenges
- History of Six Sigma
- What is Six Sigma and its Benefits
- Why do we need to improve?
- Cost of Poor Quality
- Six Sigma–Definitions
- Understanding Six Sigma(DMAIC)

#### Day2:

- DMAIC Process
  - Activities during Define phase
    - Customer Requirements
    - Problem and Goal statements
    - SMART Goals
    - Six Sigma Organisation
    - Project Charter(actual working in groups)
    - SIPOC

#### Day3&4:

- Measure phase
  - Why measure?
  - Use of statistics
  - Classification of data
  - Branches of Statistics
  - Sampling and Statistics
  - Data(Practical, Graphical, Analytical)
  - Defining the Y's and Drill Down
  - Examples of Drill Down
  - Evaluating the measurement system
  - Measurement Accuracy and Precision
  - Measurement System Variation
  - Process control and capability



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### **Day5&6:**

- AnalysePhase
  - Sources of variation
  - Funneling effect
  - Analysetools
  - 7 basic tools–how helpful in six sigma
  - Actual working in Minitab

### **Day7:**

- Improve Phase
  - Basics &Objectives
  - Brainstorming
  - Pokayoke (Mistake Proofing)
  - Types of PokaYoke
  - 5S
  - Types of Wastes
  - Discussion on live examples from daily life.

### **Day8:**

- Control Phase
  - Visual Controls
  - Control Plan
  - Work Instructions/SOPs–Activity Based
  - Q & A



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	<b>REPORT</b>
<b>Name of Activity</b>	Six Sigma Yellow and Green Belt (32 hours)
<b>Date</b>	19 <sup>th</sup> December 2023
<b>Venue</b>	GF 001 Block A, 201 Block B
<b>Organised by</b>	MIMT, Greater Noida
<b>Name of Expert</b>	Ms. Geetika Tiwari
<b>Participated by</b>	MBA 2 <sup>ND</sup> YEAR Students
<b>Activity Convener</b>	Ms. Divya Singh
<b>Content</b>	<p>The workshop of six sigma Yellow and Green belt was started on Dec. 19, 2023. It was 8 days certification workshop. It is conducted for the students of MBA++ and MBA regular. The time of the workshop is from 10 AM TO 2 PM. All the students are required to be in time in the campus and also in proper uniform. The Guest speaker for the session is Ms. GeetikaTiwari.</p> <p><b>DAY 1:</b> The first session was held on 19<sup>th</sup> Dec. 2023. It was started at 10: 15 AM. The session is started with introduction of the speaker ma'am then she asked every student to give their introduction. After that every student tells about the product which they replace with the new product. In this session we all got the basic knowledge of six sigma. In that we all get to know about the history of six sigma, six sigma benefits, why we need to improve, cost of poor quality and basic of DMAIC.</p> <p><b>DAY 2:</b> The second session was held on 21<sup>st</sup> Dec. 2023. It was started at 10:00 AM. Firstly in this session ma'am discussed the history of six sigma and then this session is all about the DMAIC Process. DMAIC stands for Define, measure, analyse, improve and control. In this session we all get to know about the define phase. This phase mainly include customer requirement, problem and goal statements, SMART Goals, Six sigma organization, project charter</p>

(actual working in group) and SIPOC.

In this session we all get to know how we can make a SMART goal. SMART stand for specific, measurable, achievable, relevant and time bound.

We also make the group of 4 students and give presentation on project definition, project team and 5W 2 H. In this we select a problem from our college and then fill the details in the slide and then give the presentation on it. 5W 2H stand for what, why, when, who, where, how and how many.

Then we get to know about SIPOC. The session was ended after that.

**DAY 3:**

The third session was held on 26<sup>th</sup>dec. 2023. The timing was from 10 am to 2pm. In this session the main topic was SIPOC. SIPOC stands for **suppliers, inputs, process, outputs, and customers**. There was a group presentation on this. After this the measure phase starts. From the PPT presentation our mentor explains the theory of that phase. This is all about the session third.

**DAY 4:**

The fourth session was held on 4 January 2024. The session was started with the discussion of the previous topics. The session continues with the group activity of 4- 5 students in each group of the gems, this was done to make the student understand the variations in the process by observing the appearance of the gems.

The session was further followed with the introduction of the Minitab software. In this we also learned the different analytical tools used in the Minitab software. And the session was ended successfully.

**DAY 5:**

The fifth session was held on the 5 January, 2024. The session was stared with the discussion of the previous concepts. Further, we learned about the different analytical tools of Minitab Software. Also, we learned about the 7 Quality Control Tools and the practical approach of these techniques in the minitabapproach. After that the session was ended successfully.

**DAY 6:**

The sixth session was held on 8<sup>th</sup>jan. 2024. The session started with the discussion on analyse phase and after that in this session the previous module are revised and the query related to any topic is solved.

All students share their query and get the solution of the question. Question and answer round is take place. The overall session is interesting and helps us in revising the whole syllabus. After that the session is ended at the fixed time.

	<p><b>DAY 7:</b>  The seventh session was held on 9<sup>th</sup> Jan. 2024. This session is begin with the improve Phase of DMAIC. The explanation is done with the help of PPT. in this session we also get to know about Pokayoke, 5s, waste, types of waste etc.  This session so energetic and easy to understand. It is also knowledgeable. After this the session is ended.</p> <p><b>DAY 8:</b>  The session was held on 12 January, 2024. The session was started with doubt session of the previous topics. And after that, the assessment was conducted for all the students attended this workshop.</p> <p>And the finally the session was over with the prize distribution ceremony. And the chief guest was our Respected Trainer and Director ma'am. Also the token of appreciation was given to the Dr. Divya Singh and Dr.Meenakshi Sharma. And in this way the session was successfully over with the good note.</p>
<p><b>Objective</b></p>	<p>The main aim of this certification program is to provide the basic knowledge of six sigma to the students. Through this they get to know the importance of quality in any business and also get the knowledge of different tools used in six sigma.</p>
<p><b>Outcome of Activity</b></p>	<p>Following points explain the outcomes from the workshop:</p> <ul style="list-style-type: none"> <li>• After the completion of the certification the main benefit is that the students get the basic knowledge about six sigma.</li> <li>• They also understand the use of different six sigma tools through different activities during the workshop.</li> <li>• The presentation between the workshops helps all of us to improve our communication skills and build up the confidence level.</li> <li>• This knowledge was helpful at the time when we are working on quality variation in the future.</li> <li>• Students can also use this knowledge at the time of interview in any company in future.</li> </ul>





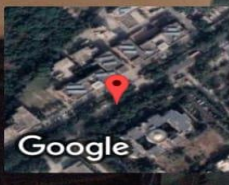
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 **GPS Map Camera**



**Greater Noida, Uttar Pradesh, India**

8, Knowledge Park 1 Knowledge Park 2 Rd, Knowledge Park II, Greater Noida, Uttar Pradesh 201310, India

Lat 28.459041°

Long 77.49405°

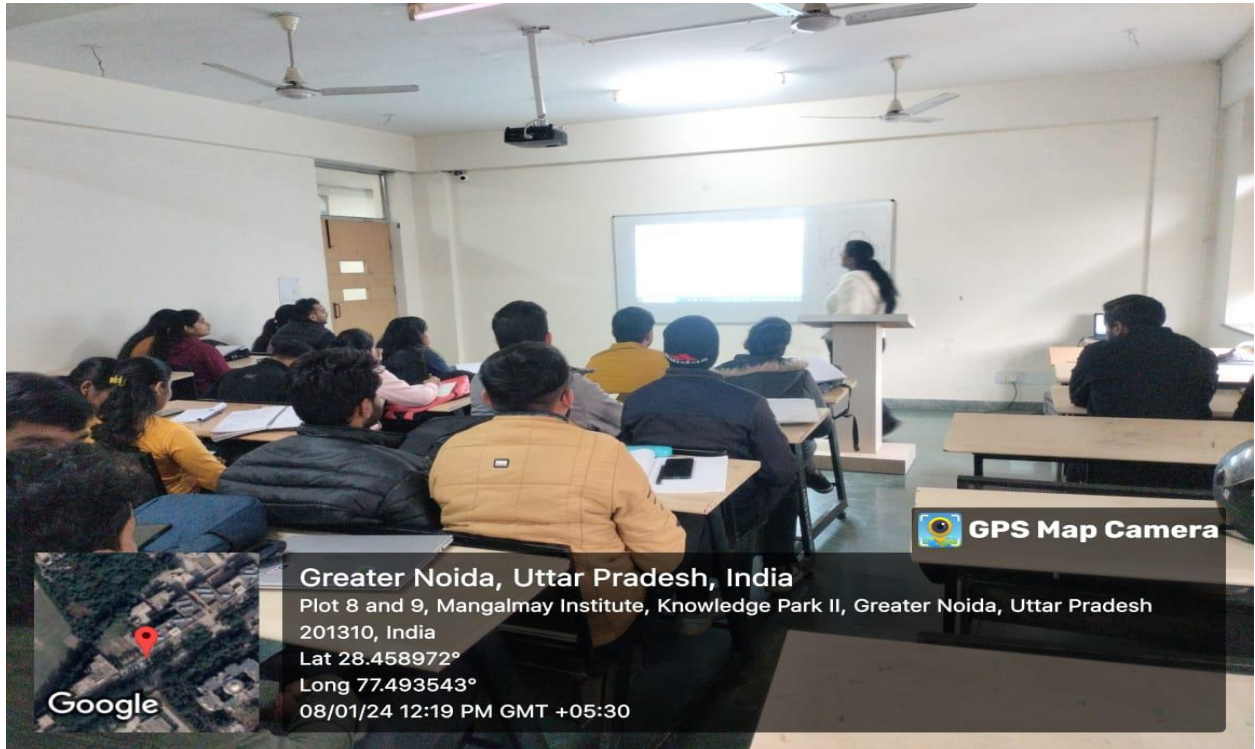
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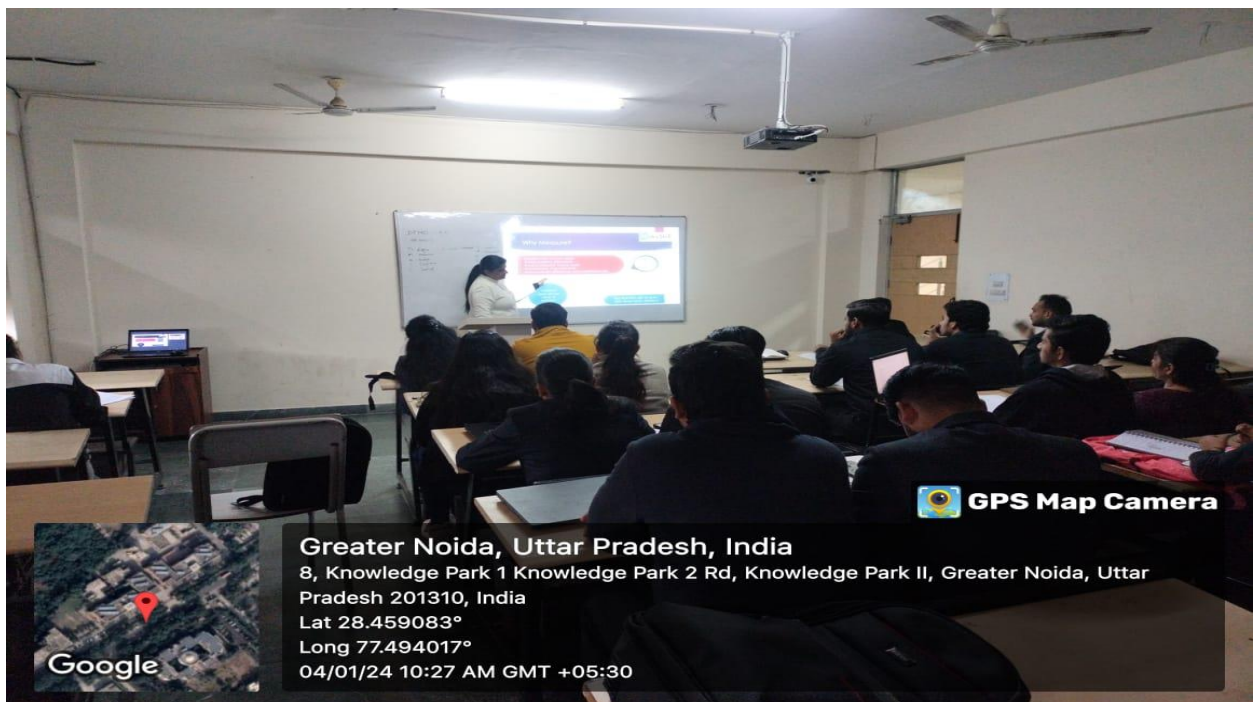
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Long 77.493543°

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Greater Noida, Uttar Pradesh, India

8, Knowledge Park 1 Knowledge Park 2 Rd, Knowledge Park II, Greater Noida, Uttar Pradesh 201310, India

Lat 28.459083°

Long 77.494017°

04/01/24 10:27 AM GMT +05:30

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### LIST OF BENEFICIARIES



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S.No.	Name	Registered	Status
1.	Aastha Sharma	Registered	Completed
2.	Aditi Gupta	Registered	Completed
3.	AkshitaMalviya	Registered	Completed
4.	Amisha Maheshwari	Registered	Completed
5.	Anjali	Registered	Completed
6.	Anjlee Shukla	Registered	Completed
7.	Ankit	Registered	Completed
8.	AnuragRai	Registered	Completed
9.	Arvinder Singh Nagpal	Registered	Completed
10.	Aryan Dabas	Registered	Completed
11.	Ashu Tosh Chaudhary	Registered	Completed
12.	BhavyaSinghare	Registered	Completed
13.	Chiranjeev Chaudhary	Registered	Completed
14.	Harsh Gupta	Registered	Completed
15.	IshitaRuhela	Registered	Completed
16.	ItiAgarwal	Registered	Completed
17.	KumariNeha Singh	Registered	Completed
18.	Kunal Kumar	Registered	Completed
19.	Lokeshwar Kumar Upadhyay	Registered	Completed
20.	Mahesh	Registered	Completed

21.	Mayank Choudhary	Registered	Completed
22.	NamanYadav	Registered	Completed
23.	Narayan Shankar Singh	Registered	Completed
24.	Rahul	Registered	Completed
25.	Rahul Kumar Singh	Registered	Completed
26.	RakhiYadav	Registered	Completed
27.	RishavAnand	Registered	Completed
28.	SangamAvinash	Registered	Completed
29.	Sania Khan	Registered	Completed
30.	SeemaRaghav	Registered	Completed
31.	Shakti Kumar	Registered	Completed
32.	SoumyaKumari	Registered	Completed
33.	YashMakhija	Registered	Completed
34.	Aditya Raj Singh	Registered	Completed
35.	Akshay Kumar	Registered	Completed
36.	AmanRastogi	Registered	Completed
37.	AnkushChaudhary	Registered	Completed
38.	Arpit Gupta	Registered	Completed
39.	Gopal Mishra	Registered	Completed
40.	Harsh Kumar	Registered	Completed
41.	Jayant Kumar	Registered	Completed
42.	KM. SunitaBharti	Registered	Completed
43.	Pradeep Kumar	Registered	Completed
44.	RajatPathak	Registered	Completed
45.	ShivbratPandey	Registered	Completed
46.	Upendra Sharma	Registered	Completed
47.	Vaishali	Registered	Completed
48.	Vivek Tiwari	Registered	Completed



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### YELLOW BELT CERTIFICATE



# CERTIFICATE

OF ACHIEVEMENT

**Iti Agarwal**

Of MBA Batch (2022-2024)

has satisfactorily fulfilled the requirements established by makeskill for phenomenal attainment in the 04-hour yellow belt program on Lean Six Sigma and is therefore awarded.

**CERTIFIED LEAN SIX SIGMA  
YELLOW BELT**

**Geetika Tiwari**  
Certified Six Sigma  
Trainer, MakeSkill

**Chief Learning Officer**  
Vinay Bhardwaj  
MakeSkill



Ref No - MCP152024



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### GREEN BELT CERTIFICATE



# CERTIFICATE

OF ACHIEVEMENT

**Iti Agarwal**

Of MBA Batch (2022-2024)

has satisfactorily fulfilled the requirements established by makeskill for phenomenal attainment in the 26-hour green belt program on Lean Six Sigma and is therefore awarded.

**CERTIFIED LEAN SIX SIGMA  
GREEN BELT**

Geetika Tiwari  
Certified Six Sigma  
Trainer, MakeSkill

Chief Learning Officer  
Vinay Bhardwaj  
MakeSkill

Ref No - MCN152024

