

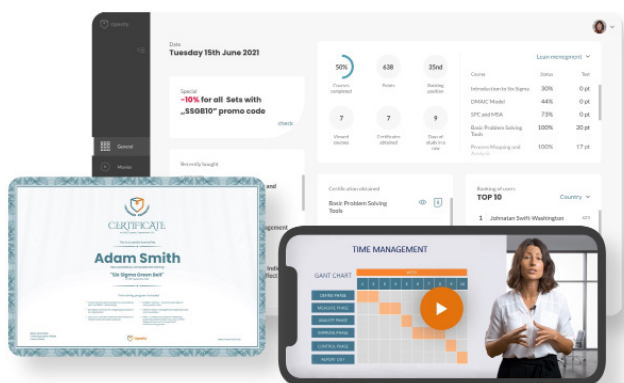
CERTIFIED TRAINING SIX SIGMA SIX SIGMA GREEN BELT

LUQAM, in collaboration with an innovative Opexity platform, presents Six Sigma Green Belt training. The Six Sigma Green Belt training program is a 3-month intensive training in a hybrid form – “live” meetings with the Trainer are combined with interactive lessons, which are conduct-

ed on the modern training platform “Opexity”. Together with LUQAM experts you will go through 8 training modules covering DMAIC phases and Six Sigma tools.

Sign up at:

opexity.com/set/six-sigma-green-belt-en/



Details

Information about the training

- 2 certificates
- 52 online lessons
- 8 training modules
- a 3 month training period
- Hybrid form of the training
- Individual consultations with the Trainer
- “Live” meetings with the Trainer
- Tests confirming the acquired knowledge
- Monitoring training progress

Why Six Sigma Green Belt with Opexity?

- Intensive knowledge and skills training.
- Trainers - Master Black Belt and Black Belt experts with extensive experience.
- Possibility to have additional consultations with the Trainer.
- Experience in the preparation and presentation of a Six Sigma Green Belt project.
- Access to the e-learning platform with training materials.
- Workshop form of training with a number of case studies and exercises.

Why with us?

Price

~~1200€~~

799€

Prices for corporate discounts are set individually.
Feel free to contact us!

PROGRAM

TRAINING PROGRAM

01 Introduction to Six Sigma

- Opening meeting with the trainer - discussing and expanding Six Sigma concepts.
- Introduction to the DMAIC model.
- Learning basic statistical terms such as: standard deviation, mean, mode and median, population, research sample, null hypothesis and alternative hypothesis, statistical errors.
- Learning basic Six Sigma statistical concepts such as: Project Charter, CTQ, Types of Data, Gage R&R, Histogram, Criteria-based Matrix, DoE, Pilot Project, Control plan.
- Roles, responsibilities, and competencies of people involved in the implementation of Six Sigma strategy in the organization.
- Presentation of the Six Sigma Green Belt credit requirements and providing information about training realization.

02 Define Phase

- Overview of the first phase of the DMAIC Model - project selection and its complicity with the organization's business objective, selecting a project team, creating a Project Charter, and preparing a Process Map draft.
- Project selection criteria.
- Defining the purpose of mapping and discussing ways to map processes in an organization - Flow Chart, Value Stream Mapping, Flow Analysis, computer simulations.
- Flow Analysis - process observation, summary and analysis of the follow-up conclusions, identification of the potential for improvement and planning of the improvement activities.
- Value Stream Mapping - selection of an appropriate mapping product, principles and symbols for data collection and its graphical representation, stages of creating a Value Stream Map, interpretation of results and identification of potential for improvement.

03 Measure Phase

- Overview of the second phase of the DMAIC Model - defining the current state of the process and its capabilities, establishing a data collection plan, and validating the measurement system.
- Measurement System Analysis (MSA) - purposes of the analysis, factors affecting the measurement system, evaluation of the measurement system, benefits from using MSA in the organization.
- Kappa Method - use, performing calculations, analyzing and interpreting conclusions.
- Overview of terms used in Six Sigma such as: accuracy, stability, linearity, repeatability, reproducibility.
- Machine, equipment and process capability - parameters defining capability, ways of calculating them and interpretation of the obtained results.
- Repeatability and reproducibility testing - principles and steps for performing R&R tests.
- Use of statistics during Six Sigma projects.

04 Analyze Phase

- Overview of the third phase of the DMAIC Model - analyzing the factors affecting the process and studying the cause and effect relationships between them.
- Problem Solving Methods - practical examples of using the quality tools.
- Design for Six Sigma - designing new products or processes based on the customer's specified requirements.
- Creativity in Six Sigma projects - analysis of thought patterns and differences in the ways of solving problems according to the personality type.
- Practical training workshop with the trainer - working with data.

05 Improve Phase

- Overview of the fourth phase of the DMAIC Model - testing new solutions, Piloting Solution, decision matrixes, risk assessment and justifying solutions.
- Design of Experiments - searching for appropriate process parameters to reduce variability in the process - techniques and examples of how DoE is used in practice.
- FMEA - a method focused on the detection of potential problems that may occur in the design phase and in the manufacturing phase of products.
- DFMEA - Design Failure Mode and Effect Analysis, and PFMEA - Process Failure Mode and Effect Analysis.
- A method for preventing errors - Poka Yoke.
- Improvement of process efficiency and effectiveness using the Hoshin methodology and One Piece Flow.
- How to be a good leader? - effective team management, leadership and effective communication.

06 Control Phase

- Overview of the fifth phase of the DMAIC Model - monitoring and controlling the process.
- Statistical Process Control (SPC) - a set of methods for process optimization and improvement using selected statistical tools.
- Overview of the structure and types of control cards.
- Creating control cards and practical examples of their use.
- 6 principles for detecting lack of Statistical Process Control.

07 Six Sigma in practice

- Elements of a simulation game - "live" with the Trainer.
- Practical aspects of conducting Six Sigma projects in accordance with the DMAIC model.
- Case study - discussing examples of Six Sigma projects in the production area.
- Case study - discussing examples of Six Sigma projects in the services area.
- Robust Design - a way of designing products or services with both controlled and uncontrolled factors.
- Loss function - calculating an organization's loss value resulting from producing goods that do not meet customer requirements.

08 Green Belt Project - completion and defense of the project

- Personal consultations with the Trainer (emails or Zoom meetings form).
- Presentation and defense of the Green Belt project by a trainee.

EXPERTS TRAININGS ARE CONDUCTED BY



Neil Beyersdorf
Lean Six Sigma Master Black Belt

BeltTop performing continuous improvement leader and innovative change agent offering many years of overseeing multiple major continuous improvement deployment and organizational change management initiatives from San Diego, CA. Proven history in leading large cross-functional multi-department team members in all aspects including coaching all levels of organization to sustain improvement investments and savings. He gained his experience working at Cisco Systems, Union Bank, Biomarin Pharmaceutical Inc., Naval Special Warfare Command and more! Led training modules and mentored 16 process improvement projects to completion and certifying 25 Lean Six Sigma Black Belts across three U.S. time zones resulting in \$9 million in annual savings in operational costs.



Marcin Nakielski
Six Sigma Master Black Belt

He specializes in Six Sigma projects, as well as applying statistical tools and methods such as SPC, MSA, DoE. He gained his experience in the position of Product Engineering Leader. His responsibilities included leading a team of Product Engineers in conducting Six Sigma projects. He led continuous improvement and cost reduction initiatives with manufacturing optimization and quality management. He was also involved in solving manufacturing problems using RedX and Six Sigma methodology.



Łukasz Krajnik
Lean Six Sigma Black Belt

Specialist in the field of Lean Management, Six Sigma and Project Management tools. A graduate of post-graduate Lean Six Sigma Black Belt studies at Gdańsk University of Technology, he gained his experience in various positions, such as Quality Manager, Project Leader, Process Leader. His responsibilities included initiating mini-projects focused on minimizing losses related to low quality, implementing Lean Manufacturing philosophy, conducting problem analysis using Six Sigma tools, and validating quality management system procedures.

Contact



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