



2025 Training Calendar

Q1

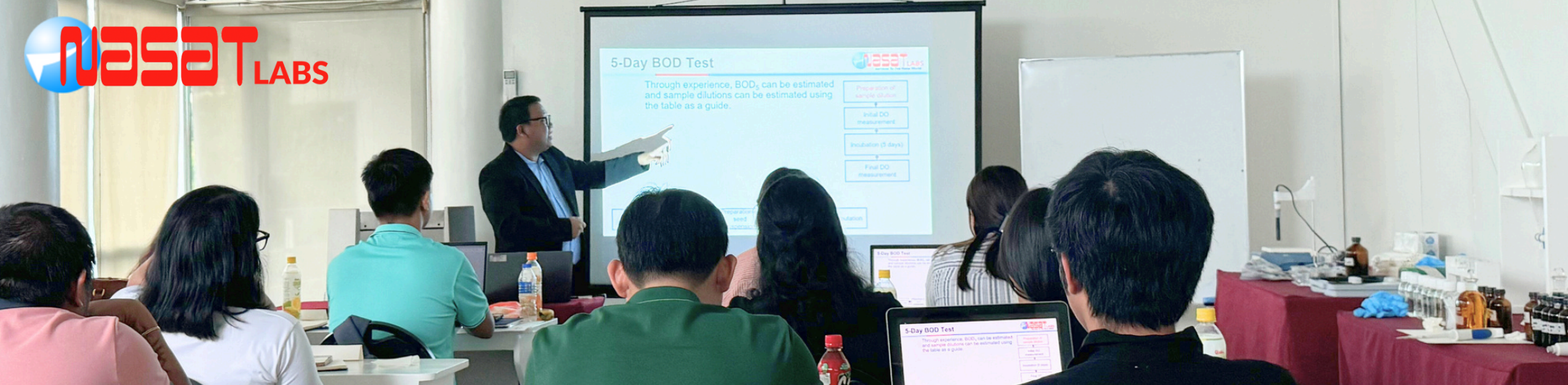
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|----------------|--|
| January 22-24 | Metal Analysis using AAS, ICP-OES, and XRF |
| January 27 | Restriction on Hazardous Substances |
| February 5-7 | Quality Control/Quality Assurance in Chemical Laboratories |
| February 12 | AAS Training |
| February 13-14 | Failure Analysis Techniques |
| February 19 | Basic Principles of Liquid Chromatography |
| February 26-27 | Water Analysis Techniques |
| March 4 | Quality Control Charting for Laboratories |
| March 11-12 | Elemental Analysis by EDX and XRF |
| March 18-19 | Microbiological Analysis in Water |
| March 20-21 | 7 Basic Quality Tools |
| March 26-27 | Water Sampling for Drinking Water and Wastewater |

CPD UNITS AVAILABLE

EARLY BIRD DISCOUNT: GET 20% OFF IF YOU REGISTER EARLY

Please note that schedule is flexible and may be subject to change. Customer-site trainings are also available.





2025 Training Calendar

April 2-3

April 7-8

April 24-25

April 28-29

May 7-9

May 12-14

May 20-21

May 23

May 28-29

June 5-6

June 10

June 19-20

Thermal Analysis by DSC and TGA

ICP-OES Training

Measurement System Analysis

Scanning Electron Microscopy and Energy Dispersive Spectroscopy with Hands-On Operation Training

Method Validation of Chemical Analysis

Design of experiment

Reliability Engineering and Management

Particle Size Analysis

Metal Analysis using AAS, ICP-OES, and XRF

Statistical Process Control

EBSD and Ion Milling Training

Material Science and Engineering

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2025 Training Calendar

Q3

| | |
|-----------------|--|
| July 3-4 | Thermal Analysis by DSC and TGA |
| July 9-10 | Elemental Analysis by EDX and XRF |
| July 16 | Particle Size Analysis |
| July 23-25 | Quality Control/Quality Assurance in Chemical Laboratories |
| July 31 | Quality Control Charting for Laboratories |
| August 6-7 | Failure Analysis Techniques |
| August 13-14 | Water Analysis Techniques |
| August 19 | Fault Isolation by OBIRCH and Photon Emission Microscopy |
| August 28 | Restriction on Hazardous Substances |
| September 4-5 | Scanning Electron Microscopy and Energy Dispersive Spectroscopy with Hands-On Operation Training |
| September 10 | Particle Size Analysis |
| September 18-19 | Material Science and Engineering |
| September 24-25 | Microbiological Analysis in Water |

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2025 Training Calendar

Q4

| | |
|----------------|--|
| October 1 | Basic Principles of Liquid Chromatography |
| October 9-10 | Elemental Analysis by EDX and XRF |
| October 14 | AAS Training |
| October 23-24 | Failure Analysis Techniques |
| October 28 | ICP-OES Training |
| November 6-7 | Atomic Force Microscopy with Hands-On |
| November 13-14 | 8D Problem Solving & Decision Making |
| November 19 | Restriction on Hazardous Substances |
| November 26-27 | Water Analysis Techniques |
| December 3-4 | Scanning Electron Microscopy and Energy Dispersive Spectroscopy with Hands-On Operation Training |

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ENGR. MARLON J. LLANA, TECHNICAL & OPERATIONS DIRECTOR, NASAT LABS

Engr. Marlon Llana has a B.S. and a Masters' degree in Chemical Engineering from Mapua Institute of Technology and is a PhD Candidate for Material Science and Engineering. He has over 20 years of experience in the semiconductor industry in the field of Quality, R&D, Laboratory Operation, Electro-plating, Failure Analysis, and Reliability having worked for Philips Semiconductors, SunPower Mfg. Ltd., International Rectifier, and DECA Technologies. He is a former faculty at Malayan College Laguna, Lyceum of the Philippines Laguna, and Colegio de San Juan de Letran having taught for more than 14 years. He is also a technical assessor of DTI-PAB for ISO/IEC 17025 and is a member of the DTI Technical committee for nanotechnology.

BERNARDO M. REDONA, PhD

Dr. Bernie Redoña is a certified Six Sigma Black Belt who has over 30 years of experience in the semiconductor industry, specializing in Process Engineering, Product Qualification, SPC Implementation, Quality, and Reliability. He holds a doctoral degree in Human Resource Management from the University of San Jose Recoletos - Cebu, and both a Master of Engineering and a Bachelor's degree in Electronics and Communications Engineering from Mapua Institute of Technology. Dr. Redoña has held significant roles, including Quality and Reliability Director at STMicroelectronics Calamba, and has contributed to academia as a professor. His involvement extends to serving as Lead Assessor for the Philippine Quality Award and an Outstanding Mapuan Alumni in ECE.



ENGR. JOHN ALEC C. COSICO, FAILURE ANALYSIS SUPERVISOR, NASAT LABS

John is a Materials Science Engineer with extensive knowledge and experience in Failure Analysis. He has a Master's degree in Materials Science and Engineering and was a former DOST-ERDT scholar. John has more than 7 years of experience in the industry with expertise on Scanning Electron Microscopy, Elemental Analysis, Surface Analysis, and more. He has led several engineering responsibilities, from advanced failure analyses to root cause analyses. He is also an experienced instructor conducting trainings on various analytical techniques. A member of the DTI Technical Committee for Nanotechnology (TC85), he is also currently a PhD candidate for Materials Science and Engineering at Mapua University.

MARK ANTHONY C. ESMAEL, RCh, LABORATORY HEAD, NASAT LABS

Mark is a Registered Chemist with more than 15 years of experience in the field of Quality Control and Quality Assurance, Laboratory Operation, and Research and Development. He has extensive knowledge on various advanced techniques such as Particle Size Analysis, Elemental Analysis, and more. He is an experienced instructor in many areas and has conducted several trainings such as Water Analysis Techniques and Advanced Analytical Techniques used in chemical laboratories. He earned his Bachelor's degree in Chemistry from Polytechnic University of the Philippines and has received several units for Master of Science in Chemistry from the De La Salle University.



ANGELICA P. BUENAVENTURA, RCh, LABORATORY SECTION HEAD, NASAT LABS

Angelica is currently the Laboratory Section Head of Physico-Chemical Section at NASAT Labs. With over 5 years of experience as a Registered Chemist, she specializes in Environmental Science, Spectroscopy Applications, Quality Assurance, and complete water and wastewater analysis. She holds a Bachelor's degree in Chemistry from University of the Philippines Los Baños and has received several units for a Master of Science in Environment and Natural Resources Management in University of Philippines Open University. She has conducted several trainings covering Water Analysis Techniques, Restrictions on Hazardous Substances, Metal Analysis Techniques, and various advanced analytical instruments.