

TechnoBiz
**EXECUTIVE
DIPLOMA**

RUBBER INDUSTRY

TECHNOLOGY & MANAGEMENT

15 APRIL - 15 JULY 2026

Organized by



The Plastics and Rubber
Institute Malaysia

*A **Unique** Online Program
Customized for Each Participant
Designed for Industry Excellence*

In-Partnership with
TechnoBiz

RUBBER INDUSTRY TECHNOLOGY & MANAGEMENT

PRIM is offering TechnoBiz Executive Diploma Program on "Rubber Industry - Technology & Management" for Malaysia Rubber Industry Professionals in partnership with TechnoBiz as an Online Program with emphasis on "Rubber Products" industry. This program is designed for professionals working in the rubber industry with objective of "Developing Workforce with Technical, Analytical, Management, Communication & Leadership Skills for Rubber Industries". This is a Unique and a Universal Program by addressing technical and management aspects with 360° approach. The program schedule is 3 month long which starts on 15 April 2026.

This program is customized for each participant

360° Approach

This Online Program focusing on

- Applied Science & Technology
- Products Manufacturing
- Design & Development
- Manufacturing Operations
- Engineering & Maintenance
- Regulations & Standards
- Best Practices & Productivity
- Research & Innovations
- Management & Leadership
- Smart Rubber Factory

Participant Criteria

The selected participants are required to have atleast 3 years experience in rubber industry either in technical or in non-technical position.

This program is not suitable for everyone.

TechnoBiz team will assess participant's qualification and relevance to this program through personal interview via online. Participants must be working currently in rubber industry.

PROGRAM FORMAT

Feature 1: Presentations from Well-Experienced International Experts

- 100+ Scheduled Modules
- 40+ International Experts
- Specialized Industry Topics
- 200+ hrs Presentations Length

Feature 2 : Cross Learning between Participants

Participants are required to make 3 presentations related to their experience and expertise. Each presentation length should be minimum 30 min. Colleagues of Participants can join live sessions of these presentations.

Feature 3: Conversation with Business Leaders

Participants will have business conversations with invited business leaders from the rubber industry to discuss about business management aspects

Feature 4: Discussion-based/Open Book Assessments

Participants must complete assessment tests by teaming with two of their colleagues as a group.

Feature 5: Project Assignment on "100++ Good Practices for Rubber Industries"

Participants are required to make a presentation for the project "100++ Good Practices in the Rubber Industry" by having group discussions with their colleagues and customers/Suppliers

Feature 6: Hosting "Rubber Tech-Talk" series for their company team by working with Rubber Technology Suppliers

Participants are required to host a 3-hour long "TechnoBiz Rubber Tech-Talk" by inviting specialists from Rubber Technology Suppliers as guest speakers to introduce the latest trends in rubber technology. Participant's colleagues are required to participate as the audience.

Feature 7: Participants can join the program while working in their company

Participants can join and complete the program while working in their organization. Time schedules are in such a way, that facilitate participation conveniently.

Module List

Module 01 : Introduction to Rubber Products Industry | Module 02 : General Purpose Rubbers | Module 03 : Special Purpose Rubbers - Part 1 (EPDM, NBR, CR, CPE, CSM, ACM, AEM) | Module 04 : Special Purpose Rubbers - Part 2 (HNBR, FKM, ECO, VMQ, FQM, PU) | Module 05 : Fillers for Rubber Reinforcement | Module 06 : Rubber Processing Additives | Module 07 : Natural Rubber : Grades & Selection | Module 08 : Rubber Mixing Technology | Module 09 : Key Ingredients of Rubber Compounds | Module 10 : Mixing of Rubber Compounds | Module 11 : Flow Properties of filled Rubber Compounds | Module 12 : Reinforcement - A Key Property of Filled Rubber Vulcanizates | Module 13 : Carbon Black - Characterization, Dispersion & Reinforcement | Module 14 : Precipitated Silica - Characterization, Dispersion & Reinforcement | Module 15 : Rubber Process Oils: Types & Selection | Module 16 : Rubber Compound Formulation: Development & Case Studies | Module 17 : Molded Rubber Products: Compound Development | Module 18 : Rubber Mixing Procedures & Sequence | Module 19 : Reverse Engineering in Compound Development | Module 20 : Hydraulic Hoses: Rubber Compound Development | Module 21 : Best Practices for Rubber Chemists in Material Development | Module 22 : Metal to Rubber Bonded Products: Compound Development | Module 23 : Rubber Reclaim Application in Non-Tyre Products | Module 24 : Rubber Curing by Sulfur: Property Design | Module 25 : Rubber Curing by Peroxide – Advantages & Limitations | Module 26 : Rheology and Rheological Effects in Rubber Compounds | Module 27 : Fill-Factor & Batch Weight of Internal Mixer | Module 28-33 : Rubber Industry Clinic 1-5 | Module 33 : Rubber Testing Laboratory : Instruments & Purpose | Module 34 : Understanding the Working Principle of the Rubber Extruder | Module 35 : Impurities in Rubber Compounds - How to Handle? | Module 36 : Rubber Profile Extrusion & Vulcanization Lines | Module 37 : Thermoplastic Elastomers - Process, Properties & Recent Applications | Module 38 : Rubber Chemicals - Quality & Handling | Module 39 : Rubber Testing - Good & Bad Practices | Module 40 : Rubber Product Molding and Process Overview for the Non-Technologist | Module 41 : Rubber Compound & Process Design to Reduce Backrinding | Module 42 : Introduction to Compression Rubber Molding | Module 43 : Rubber Processing & Part Deflashing in Compression Molding | Module 44-45 : Compression Rubber Mold Design – Part 1 &2 | Module 46 : Pulse Filling & Compression Preforms in Compression Molding | Module 47 : Platens, Mold Mounting and Mold Insulation in Compression Molding | Module 48 : Air Removal in Compression Molding | Module 49 : Troubleshooting of Compression Molding | Module 50 : Rubber Materials and Compounds Characterization by RPA | Module 51 : Best-Practices Rubber Injection Molding Machinery Investment & Planning | Module 52 : Design of Rubber Injection Molding Process | Module 53 : Blooming Problems in Rubber Products: Why? How to Avoid? | Module 54 : Design of Experiments (DoE) in Rubber Manufacturing Processes | Module 55 : Use of Alternate Carbon Blacks in Rubber Compounding | Module 56 : Selection of Rubbers for meeting Heat, Ozone and Oil Resistance | Module 57 : Introduction to Rubber Hoses | Module 58 : Rubber Compound Development for Hoses | Module 59 : Rubber Hose Manufacturing Process & Control | Module 60 : Rubber Rules - Vulcanization | Module 61 : Rubber Rules - Polymer Characterization | Module 62 : Rubber Rules - Rubber Flow | Module 63 : Rubber Rules - Cavity Filling | Module 64 : Rubber Rules - Response to Applied Force | Module 65 : Understanding of TPE & TPV Families | Module 66 : TPV Industry Overview | Module 67 : TPV Structure & Properties | Module 68 : TPV Processing | Module 69 : TPV Applications in Automotive | Module 70 : TPV Applications in Industrial & Consumer Products | Module 71 : Troubleshooting of TPV Molding | Module 72 : TPV Extrusion Principles & Troubleshooting | Module 73 : India Rubber Industry - Outlook & Opportunities | Module 74 : Sri Lanka Rubber Industry - Outlook & Opportunities | Module 75 : Malaysia Rubber Industry - Outlook & Opportunities | Module 76 : Coaching Mentoring Need for Executives & Managers in Rubber Industries | Module 77 : Fine Mesh Straining of Rubber Compounds | Module 78 : Micronized Rubber Powder & Applications | Module 79 : Research Trends in Rubber Science & Technology | Module 80 : Aspects of Compounding with Ground Rubber | Module 81 : Importance of Wall Slip in Rubber Processing | Module 82 : Sponge / Cellular Rubber Technology Basics | Module 83 : Raw Materials & Selection for Sponge / Cellular Rubber | Module 84 : Compound Development for Sponge / Cellular Rubber | Module 85 : Manufacturing of Sponge / Cellular Rubber | Module 86 : EPDM Rubber Industry: Market, Supply Chain & Competencies | Module 87 : EPDM Rubber Chemistry & Properties | Module 88 : EPDM Rubber Compounding | Module 89 : EPDM Rubber Processing | Module 90 : EPDM Rubber in Foam Products | Module 91 : EPDM Rubber in Automotive | Module 92 : EPDM Rubber in Construction & Industrial Goods | Module 93 : EPDM Rubber in Tyres & Tubes | Module 94 : Troubleshooting of EPDM Rubber Processing | Module 95 : Rubber Industry Clinic - Part 6 | Module 96 : Cost Reduction in Moulded Rubber Products Manufacturing | Module 97 : Rubber Industry Clinic - Part 7 | Module 98 : Elastomer Characterization by Temperature Scanning Stress Relaxation (TSSR) Test | Module 99 : Cost Estimating for Molded Rubber Parts | Module 100 : Rubber Mold Debug | Module 101 : Intellectual Property Guidelines for Rubber Industries | Module 102 : Quality Management System Guidelines for Rubber Industries | Module 103 : Product Stewardship Guidelines for Rubber Industries | Module 104 : Operational Excellence Guidelines for Rubber Industries | Module 105 : Establishing Credit Terms for Non-Terms Customers | Module 106 : Steps to Handle Marine Insurance Claims for Sea Shipments | Module 107 : Natural Rubber Processing Behavior : Custom Rubber Mixer Perspective | Module 108 : Effect of Additives in Rubber Compounding & Products Performance | Module 109 : Fluorocarbon Rubber (FKM) & PFAS REACH Restrictions | Module 110 : Silicone Elastomers : Properties & Compounding | Module 111 : Colour Matching of Rubber Compounds | Module 112 : FDA Testing of Rubber Materials | Module 113 : Rubber Mixing Technology | Module 114 : Sales Order Entry & Developments in Rubber Mixing Business | Module 115 : Cold Runner Technique in Rubber Injection Molding | Module 116 : 100+ Good Practices for Rubber Industries | Module 117 : Rubber Industry Clinic - Part 8 | Module 118 : Developments in Regulations for Rubber Industry | Module 119 : Mould Maintenance & Management in Rubber Industry | Module 120 : 3D Printing of Rubber

Remarks: TechnoBiz reserves the right to make changes in the modules without prior notification

Registration Fee : MYR 12,500

Application Deadline: 10 MARCH 2026

- This program is aimed for rubber industry professionals from Malaysia to excel their technical and leadership skills. Participants should have atleast 3 years experience in the industry. Please send detailed CV of participant to *primy@prim.org.my* for eligibility and online interview.
- Approved participants are required to complete the registration process at **PRIM**

Alumni Feedback Please scan QR Code to view the feedback from Alumni



Zander Byrne
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