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COURSE BROCHURE

Technology Roadmapping and Innovation Portfolio Training Course

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Kuala Lumpur

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Technology Roadmapping and Innovation Portfolio Training Course

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Technology Roadmapping and Innovation Portfolio is a 1-week training course for technology managers and innovation portfolio owners deciding which emerging technologies to pursue and when, with each participant leaving with a technology roadmap and portfolio board pack. Shorter technology lifecycles and tighter capital make these choices visible to boards and finance leaders. Jupiter Prime Training runs the course for organisations that need technology choices tied to strategy.

Why Technology Roadmapping and Innovation Portfolio Matters Now

Three pressures shape technology roadmapping today. Maturing digital, automation and energy technologies arrive faster than most capability plans can absorb them. Finance committees ask for evidence that every technology investment links to a stated strategic objective. An organisation that sequences these choices well builds capability ahead of demand and stops funding stalled ideas early; one that handles them badly carries overlapping platforms, stranded spending and confused suppliers. The course rests on established practice in layered roadmaps, readiness scales, horizon-based portfolio balancing and stage-linked funding release.

Who Gains Most from Technology Roadmapping and Innovation Portfolio

- Leaders responsible for setting technology direction across a business unit or function
- Owners of innovation portfolios who allocate funding between competing initiatives
- Managers who scan suppliers, start-ups and research partners for emerging options
- Strategy and planning leads who translate corporate objectives into investment themes
- Architecture and engineering heads who judge when a technology is ready to scale

The strongest results come when a technology office and its strategy or finance counterparts attend together, so the roadmap and the funding logic are built on one shared view.

Technology Roadmapping and Innovation Portfolio Capabilities

Participants move from scattered technology wish lists to a sequenced, evidence-backed view of what to invest in, when and why.

- Build a layered roadmap linking market drivers, products and enabling technologies — executive steering groups
- Assess technology readiness and maturity using structured scales — adoption timing decisions
- Design a scouting routine covering suppliers, start-ups and research partners — horizon scanning owners
- Weigh initiatives across core, adjacent and transformational horizons — portfolio balance reviews
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Align technology investment themes with strategic objectives and capability gaps — finance committees
- Communicate roadmap trade-offs and retirement choices clearly — operating unit leaders

Key Technology Roadmapping and Innovation Portfolio Terms

- Technology roadmap — a time-based visual plan linking market needs, products and the technologies required to deliver them.
- Technology readiness level — a graded scale describing how mature a technology is, from early concept to proven operation.
- Technology scouting — the structured search for emerging technologies, suppliers and partners that could serve future needs.
- Innovation horizon — a band of initiatives grouped by distance from the current business, from core improvement to new ventures.
- Portfolio balance — the intended mix of risk, time-to-value and horizon across all funded innovation initiatives.
- Technology sunset — a planned decision to retire a platform or technology and move users to its replacement.

Technology Roadmapping and Innovation Portfolio Day by Day

Day 1: Technology Forces and Strategic Intent

- Strategic Objective Mapping — Which Capabilities Technology Must Enable
- Technology Trend Radar — Signals Worth Tracking Over Three Horizons
- Capability Gap Assessment — Where Current Platforms Fall Short
- Stakeholder Demand Canvas — Whose Needs Drive Technology Priorities
- Technology Landscape Baseline — What Is Supported, Ageing or Duplicated

Day 2: Building the Layered Roadmap

- Layered Roadmap Architecture — Linking Market, Product and Technology Layers
- Roadmap Time Bands — Sequencing Near, Mid and Long-Range Moves
- Dependency and Enabler Mapping — Which Technologies Unlock Others
- Technology Sunset Planning — When to Retire Legacy Platforms
- Roadmap Visual Conventions — Making Choices Readable for Executives

Day 3: Scouting and Adoption Decisions

- Scouting Channel Design — Suppliers, Start-Ups, Universities and Peer Networks
- Technology Readiness Scales — Judging Maturity Before Committing Funds
- Build, Buy or Partner Analysis — Choosing the Route to Capability
- Adoption Timing Criteria — Early Mover Versus Fast Follower Choices
- Technology Assessment Scorecard — Comparing Options on Shared Criteria

Day 4: Managing the Innovation Portfolio

- Three-Horizon Portfolio Model — Balancing Core, Adjacent and Transformational Bets
- Portfolio Bubble Charts — Visualising Risk, Value and Time-to-Impact
- Stage-Linked Funding Release — Tying Money to Evidence Gathered
- Kill and Pivot Criteria — Stopping Stalled Initiatives Without Blame
- Investment Theme Alignment — Linking Spending to Strategic Objectives

Day 5: Practising the Technology Roadmap and Portfolio Board Pack

- Roadmap Refresh Cadence — Linking Updates to the Planning Cycle
- Portfolio Health Indicators — Tracking Balance, Progress and Spend
- Scouting Findings Integration — Feeding New Options Into the Roadmap
- Trade-Off Storytelling — Presenting Choices to Boards and Finance
- Technology Roadmap and Portfolio Board Pack — Completing the Final Submission

Applying Technology Roadmapping and Innovation Portfolio After the Course

- Populate a first layered roadmap for one product line with operating units, using time bands and dependency mapping.
- Score funded initiatives against the three-horizon model and propose rebalancing, with kill and pivot criteria.

Technology Roadmapping and Innovation Portfolio Questions FAQ

What is technology roadmapping and innovation portfolio management, and why does it matter now?

It is the discipline of sequencing technology choices over time and funding a balanced set of innovation initiatives. It matters now because technology cycles are shorter, budgets are scrutinised more closely and boards expect every investment to trace back to strategy.

Which roles gain most from technology roadmapping and innovation portfolio skills?

Technology direction setters, innovation portfolio owners, scouting leads, strategy planners and architecture heads gain most. Utilities and healthcare teams, whose platforms last many years, benefit especially.

How does technology roadmapping and innovation portfolio training differ from a course on prototyping or product innovation?

This course works at the portfolio and roadmap level, deciding which technologies to back and when. A prototyping or product innovation course focuses on building and testing a single idea, its development gates and its protection.

What do you bring back from technology roadmapping and innovation portfolio training?

You bring back a draft layered roadmap, a scouting routine, a technology assessment scorecard and a portfolio balance view. Together they support evidence-based investment choices.

Technology Roadmapping and Innovation Portfolio: The Way Forward

The technology roadmap and portfolio board pack first informs which initiatives receive the next round of funding and which platforms begin their sunset. Strategy offices and finance committees use it to align their plans. After its first review cycle, revisit the horizon balance and the scouting findings, because new options quickly change the roadmap.