



TRAINING TRAINS

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IT Services and IT Consultancy \ Internship-Inplant Training \ Software Training Institute

உங்கள் கடை மற்றும் வியாபாரத்திற்கு ஏற்ற வேப் & அந்தீடியின் மற்றும்
Software மிகச்சிறந்த முறையில் செய்து கொடுக்கப்படும்.

Expertise : **AI, Machine Learning & Data Science \ Cybersecurity & Ethical Hacking**
IoT, Blockchain & Cloud Computing \ Full Stack Web & Mobile Development
Digital Marketing & SEO

W3 App Developers

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Engineering Manager – 100+ Lab Exercises (Basic, Intermediate, Advanced)

Basic Level (30+ Exercises)

Objective: Build foundational skills in leadership principles, team dynamics, and project management.

Leadership Fundamentals

- Understand the role and responsibilities of an engineering manager.
- Study leadership styles and emotional intelligence.
- Practice effective communication and feedback.
- Learn basics of conflict resolution.
- Develop time management and prioritization skills.

Team Building & Development

- Conduct team assessments and skill gap analysis.
- Facilitate onboarding and mentoring of engineers.
- Build a culture of collaboration and accountability.
- Plan and run effective meetings.
- Promote diversity, equity, and inclusion in teams.

Project & Process Management

- Introduce Agile and Scrum frameworks.
- Manage sprint planning, stand-ups, and retrospectives.
- Use project management tools (Jira, Trello).
- Track progress with KPIs and velocity metrics.
- Conduct risk assessment and mitigation planning.

Intermediate Level (40+ Exercises)

Objective: Enhance capabilities in technical leadership, scaling teams, and cross-functional collaboration.



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Technical Oversight

- Review and guide software architecture decisions.
- Implement code review processes and standards.
- Manage technical debt and refactoring initiatives.
- Lead incident management and postmortems.
- Evaluate and select development tools and technologies.

People Management & Growth

- Develop career growth plans and succession planning.
- Conduct performance reviews and coaching sessions.
- Foster a culture of continuous learning.
- Manage remote and distributed teams effectively.
- Address and resolve team conflicts.

Operational Excellence

- Optimize engineering workflows and CI/CD pipelines.
- Align engineering goals with product and business strategy.
- Manage budgets and resource allocation.
- Implement quality assurance and testing strategies.
- Drive process improvements and automation.

□ Advanced Level (40+ Exercises)

Objective: Master enterprise-scale engineering leadership, strategic influence, and innovation management.

Strategic Leadership

- Develop and communicate long-term engineering vision.
- Lead organizational change and transformation.
- Align engineering with corporate governance and compliance.
- Build partnerships with executive leadership and stakeholders.
- Drive innovation through R&D initiatives.

Scaling Engineering Organizations

- Design and implement scalable team structures.



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- Manage large, complex, and multi-product engineering portfolios.
- Lead mergers, acquisitions, and integrations.
- Oversee global engineering operations and collaboration.
- Manage vendor and outsourcing relationships.

Leadership & Culture

- Mentor senior leaders and develop leadership pipelines.
- Promote psychological safety and high-performance culture.
- Advocate diversity, equity, and inclusion at scale.
- Implement data-driven engineering management practices.
- Lead engineering retreats, workshops, and innovation labs.

Capstone Projects

- Develop an engineering team growth and scaling plan.
- Design a cross-functional collaboration framework.
- Lead a critical incident response and resolution.
- Implement a technical debt reduction strategy.
- Drive a technology modernization initiative.

□ Tools & Technologies

- Jira, Confluence, Trello, Asana
- Git, Jenkins, CircleCI, GitLab CI/CD
- Slack, Microsoft Teams, Zoom
- OKR frameworks, 15Five, Lattice
- AWS, Azure, GCP (for infrastructure oversight)