



DS/AI/ML

Our Competency Development Framework

Proficiency	Blended Learning	Assessment Types	Assessment Category	Learning Outcomes
LEVEL 1 Beginner	80% Self-Paced 20% ILT	✓ MCQ	Knowledge	<ul style="list-style-type: none"> Knows all terms associated with the technology Understands importance of the technology across various industries Can solve simple problems – based on predefined rules
LEVEL 2 Intermediate	50% Self-Paced 50% ILT	✓ MCQ ✓ Simple Case Studies	Knowledge + Skill	<ul style="list-style-type: none"> Can understand more complex situations that are not first of its kind Can apply the technology to these more complex situations successfully Is able to understand the contextual influence on the usage of the technology and vice versa
LEVEL 3 Advanced	20% Self-Paced 80% ILT	✓ MCQ ✓ Medium Case Studies ✓ Internal Journal Submission	Knowledge + Skill + Demonstration	<ul style="list-style-type: none"> Is able to review implementations of others Is able to apply the technology to situations of any complexity Proactively manages risks associated with usage of a technology based on experience and knowledge
LEVEL 4 Expert	20% Self-Paced 80% ILT	✓ MCQ ✓ Complex Case Studies ✓ SME Interview ✓ External Journal Submission	Knowledge + Skill + Demonstration	<ul style="list-style-type: none"> Knows how to compare and contrast related technologies Can create solutions from scratch Is able to review implementations effectively Is able to perceive new use cases of technologies

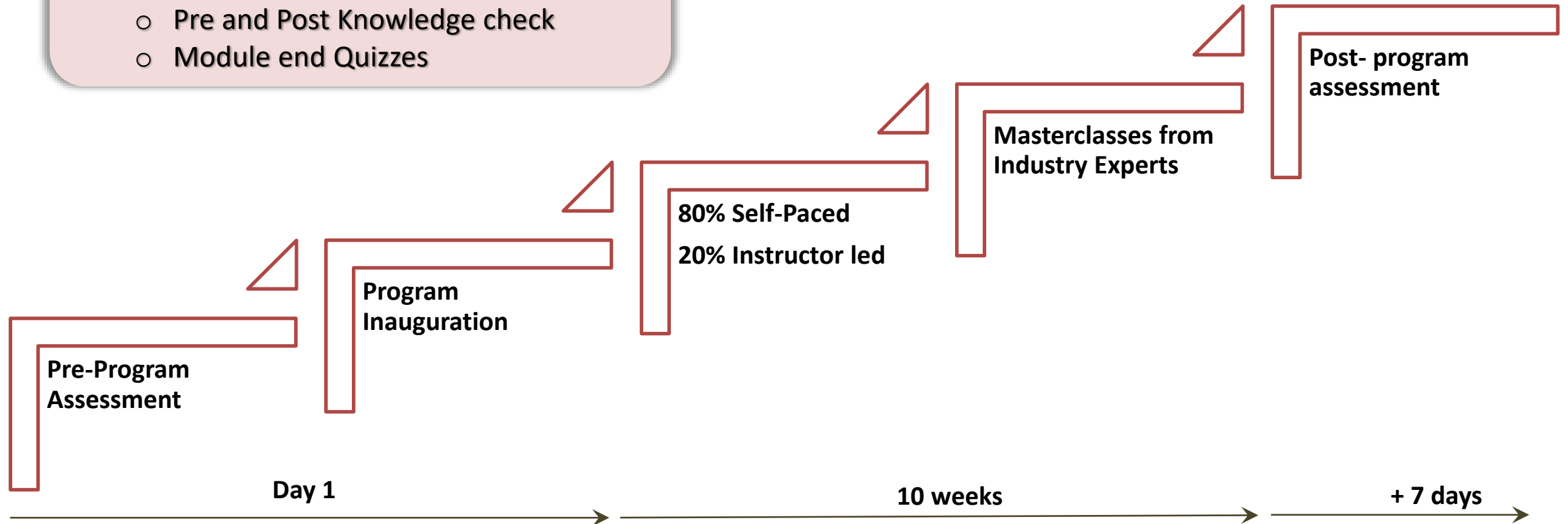
DS/AI/ML Competency Development Framework

Level	Proficiency	Self-Paced hours	ILT Hrs	Assessment Type	Total duration Hrs	Competency	Pre-Requisite	Roles who can attend this training
Level 1	Beginner	50	10	MCQ	60	✓ Programming and Statistics knowledge	Basics of Programming	Common for all
Level 2	Intermediate	30	30	MCQ + Simple Case studies	60	<ul style="list-style-type: none"> ✓ Creating Data Visualizations. ✓ Performing EDA. ✓ Developing Machine Learning Models. 	Completion of Level 1 and Assessment	Data Center Specialists, Infosecurity Specialists, Developer, IT Developers, Delivery Manager, DevOps Manager, Application Owners(Enhancement and New Implementations), Application Security architects, Vertical Leads/ Managers, Cloud Migration Specialists (SaaS /IaaS), Project Managers, Production Support Engineers, Production Support Managers.
Level 3	Advanced	20	40	MCQ+ Case Study + SME Interview	60	<ul style="list-style-type: none"> ✓ Building, Evaluating and comparing Deep Learning models. ✓ Implementing Transfer Learning. ✓ Understanding Computer Vision and building Image classification Models. 	Completion of Level 2 and Assessment	Developer, IT Developers, Delivery Manager, DevOps Manager, Application Owners(Enhancement and New Implementations), Application Security architects, Vertical Leads/ Managers, Cloud Migration Specialists (SaaS /IaaS), Project Managers, Production Support Engineers, Production Support Managers
Level 4	Expert	10	32	MCQ+ Case Study + SME Interview + External Journal submission	42	<ul style="list-style-type: none"> ✓ Perform Text Analysis and implement NLP Algorithms. ✓ Understand LLMs and build Generative AI models. 	Completion of Level 3 and Assessment	Developer, IT Developers, Delivery Manager, DevOps Manager, Application Owners(Enhancement and New Implementations), Application Security architects, Vertical Leads/ Managers, Cloud Migration Specialists (SaaS /IaaS), Project Managers, Production Support Engineers, Production Support Managers,
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Learning Path

Learning Path – Level 1 (60 Hours)

- ✓ Self-paced (awareness)
- ✓ Assessments
 - Pre and Post Knowledge check
 - Module end Quizzes



Learning Path – Level 1 (60 Hours)

Pre-program Assessment

- 25 Questions across domain and technology
- Baselineing of current skills

Self-paced (50 hours)

- 2 hrs per domain, 8 hrs per tech
- Concept videos
- Reading Materials
- Interception points
- Module end quizzes

Webinars (8 hours)

- 1 to 2 hours per webinar
- Recap & Q&A
- Bringing the context(tech and domain)
- Connecting the dots
- Areas of implementation
- Engaging Activities (Crossword and Jumble words)

Masterclass (2 hours)

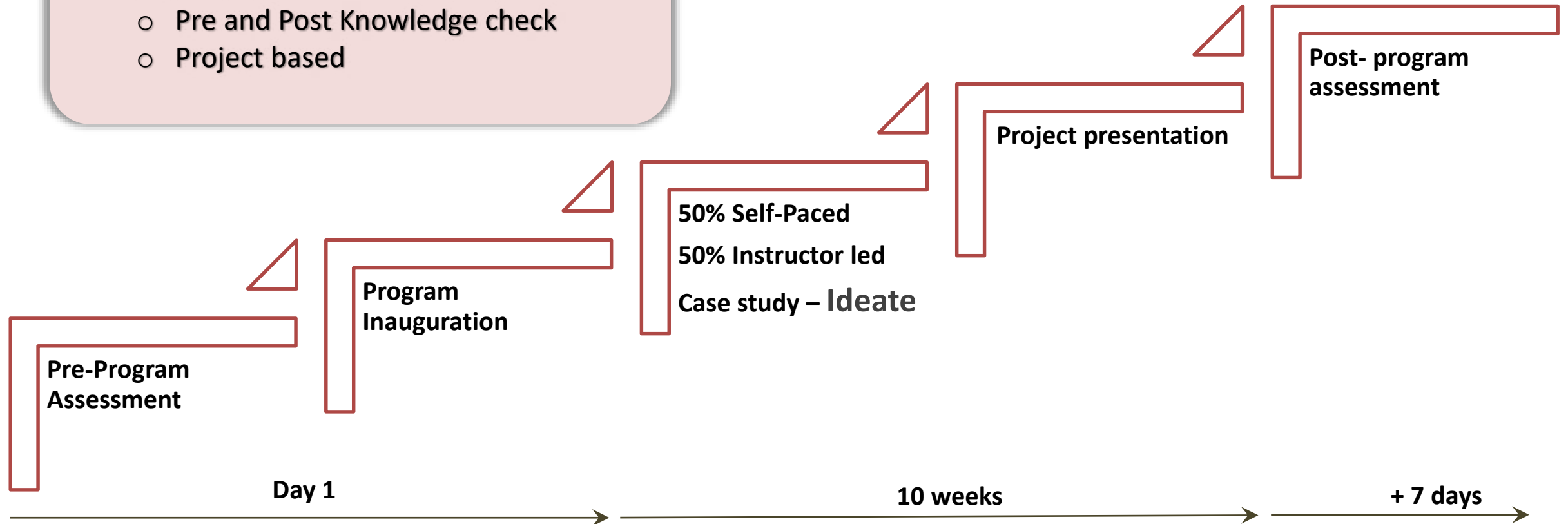
- 1 each on domain and Tech
- Enable them to participate in tech forums

Assessments

- Module end
 - Knowledge check
- Post program
 - 2 sections - summative of domain and tech

Learning Path – Level 2 (60 Hours)

- ✓ Basic instructor led sessions
- ✓ Assessments
 - Pre and Post Knowledge check
 - Project based



Learning Path – Level 2 (60 Hours)

Pre-program Assessment

- 25 Questions across domain and technology
- Baselineing of current skills

Self-paced(20 hours)

- E-learning
- Reference materials
- Playbooks

ILT(30 hours)

- SME to cover each domain and tech along with case studies
- Case study
 - At the end of module participants will be divided in to groups and will be given a problem statement
 - The solutions will be presented in the next session followed by brainstorming

Project(10 hours)

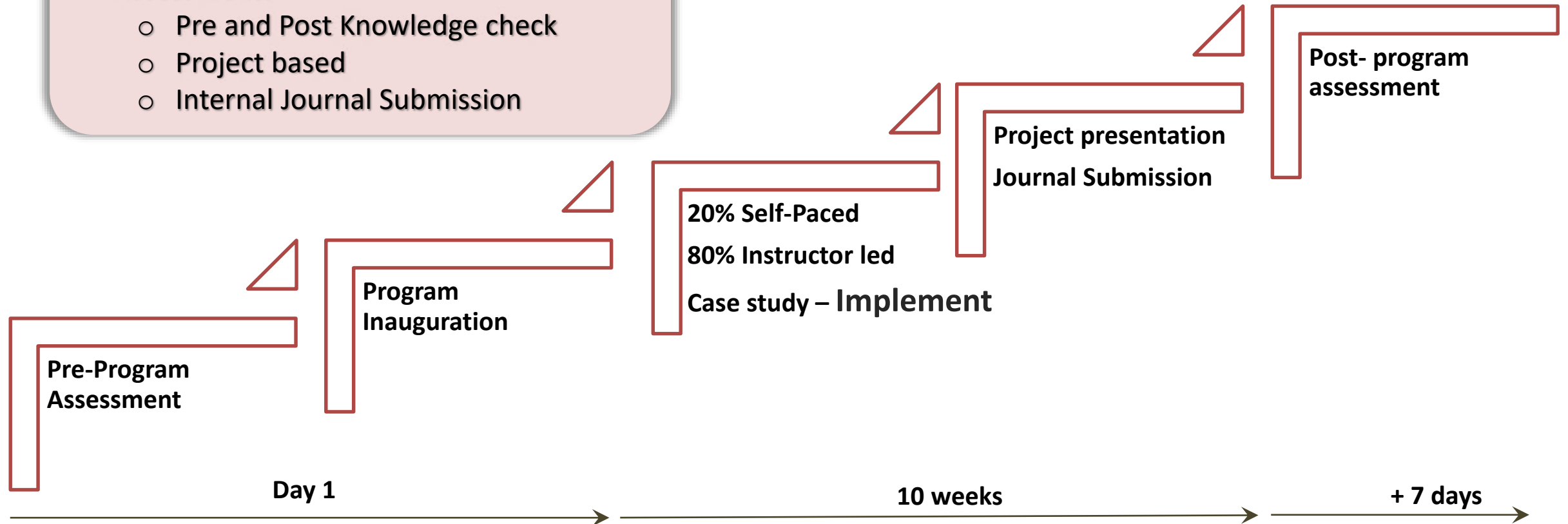
- Project Execution
 - Pre-program - Participants will be divided into groups and will be given a medium complexity problem statement
 - During program – Solving the problem using Whiteboarding
 - Project Mentoring
 - Post program – Project presentation to a panel

Assessments

- Module end
 - Knowledge check
 - Idea-a-thon
- Post program
 - 2 sections - summative of domain and tech
 - Project Presentation

Learning Path – Level 3 (60 Hours)

- ✓ Advanced instructor led sessions
- ✓ Assessments
 - Pre and Post Knowledge check
 - Project based
 - Internal Journal Submission



Learning Path – Level 3 (60 Hours)

Pre-program Assessment

- 25 Questions across domain and technology
- Baseline of current skills

Self-paced(20 hours)

- E-learning
- Playbooks
- Advanced resources and references

ILT(20 hours)

- SME to cover each domain and tech along with tailored case studies
- Case study
 - At the end of module participants will be divided into groups and will be given a problem statement
 - The solutions will be presented in the next session followed by brainstorming

Project(20 hours)

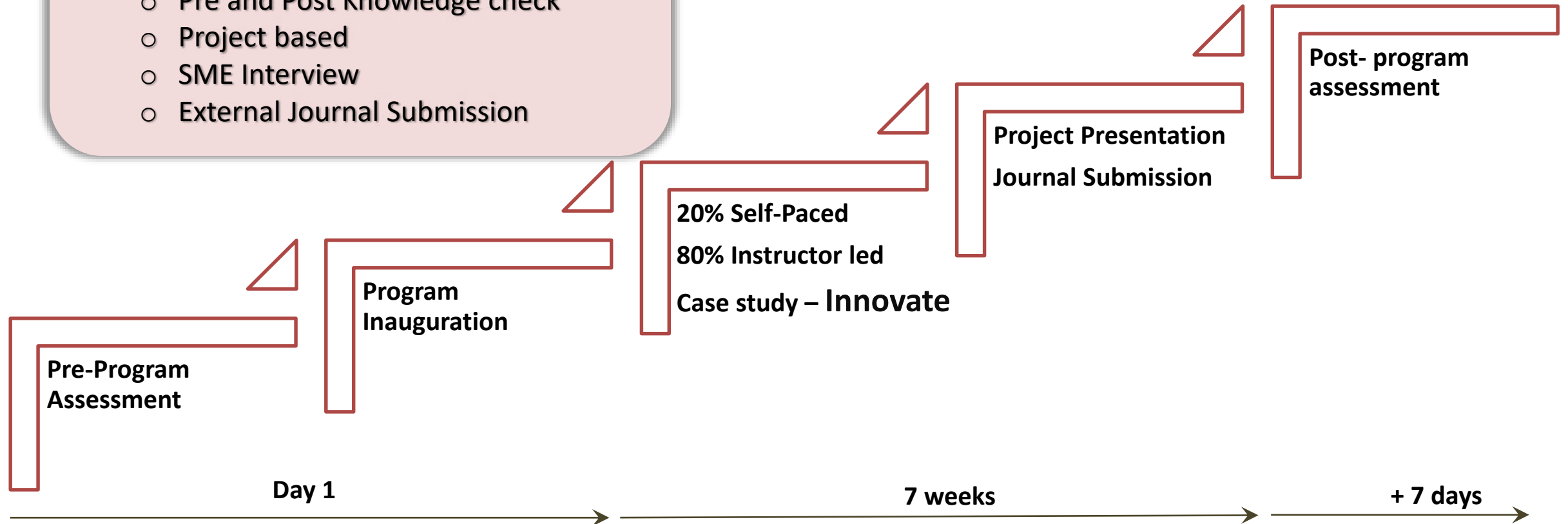
- Project Mentoring
- Project Execution
 - Pre-program - Participants will be divided into groups and will be given a medium complexity problem statement
 - During program – Solving the problem by implementation
 - Post program – Project presentation to a panel

Assessments

- Module end
 - Knowledge check
 - Code-a-thon
- Post program
 - 2 sections - summative of domain and tech
 - Internal Journal Submission

Learning Path – Level 4 (42 Hours)

- ✓ Expert instructor led sessions
- ✓ Assessments
 - Pre and Post Knowledge check
 - Project based
 - SME Interview
 - External Journal Submission



Learning Path – Level 4 (42 Hours)

Pre-program Assessment

- 25 Questions across domain and technology
- Baselineing of current skills

Self-paced(10 hours)

- Research & Exploration
- Playbooks
- Advanced resources and references
- Tech Forum Participation

ILT(20 hours)

- SME to cover each domain and tech along with tailored case studies
- Case study
 - At the end of module participants will be divided into groups and will be given a problem statement
 - The solutions will be presented in the next session followed by brainstorming
- *Masterclass on “Branding” (white papers, LinkedIn)*

Project(12 hours)

- Project Mentoring
- Project Execution
 - Pre-program - Participants will be divided into groups and will be given a medium complexity problem statement
 - During program – Solving the problem by innovation
 - Post program – Project Roadshow

Assessments

- Module end
 - Knowledge check
 - Code-a-thon
- Post program
 - 2 sections - summative of domain and tech
 - Project Roadshow
 - External Journal Submission

Project

RoadShow

The background of the slide is a dark, textured surface with a pattern of diagonal lines. These lines are composed of many small, glowing orange and yellow particles, giving the impression of a digital or scientific data visualization. The lines run from the top-left towards the bottom-right, creating a sense of depth and movement.

Thank You