TRAINING CERTIFICATE

LearnPedia - Engineering Training Institute

Certificate of Training and Completion



MARIAM SARA SANIL

has successfully completed

AUSTRALIAN RESIDENTIAL INDUSTRY CONSTRUCTION KNOWLEDGE

Training completed on 20/09/2025

Continuing Professional Development (CPD) Points Earned: 11

M. Ashtari

Senior Structural Engineer & Instructor
CPEng, PE (RBP), RPEQ, NER, MIEAust,
M.Eng. (Structural), B.Eng. (Civil)

LearnPedia - Australia
(Engineers Institute Australia)

Common Residential Construction Materials: The different timber grades and sizes, common steel sections and sizes and common reinforcements used in footing systems.
Common Commercial Construction Products: Understanding the use of commercial construction products specific to the Australian residential construction industry, such as Mitek, Posistrut, and others. **Construction Terminology and Technical Phrases:** Familiarizing with the language and technical terms commonly used in the construction industry in Australia.
Australian Construction Techniques: Learning about the unique construction techniques and practices employed in Australia, particularly in residential building.
Structural Members in Timber and Brick Framing: Studying the structural components used in timber stud walls and brick veneer walls.
Footing Systems Used in Australia: Gaining knowledge about different types of footing systems, such as strip footings, slab-on-ground, and pier and beam, commonly used in Australian construction. **Reading Architectural Drawings Based on Australian Standards:** Developing skills to interpret architectural drawings created in accordance with Australian drafting standards, using real-life project examples for practical understanding.
Reading Structural Drawings Based on Australian Standards: Learning to read and understand structural drawings that adhere to Australian drafting standards, with practical insights from real-life projects. **Required Structural Members in Australian Residential Houses:** Understanding the essential structural components necessary for residential construction in Australia, including beams, columns, and floor systems.
Australian Standards in Residential Design (AS/NZS Codes): Familiarising with the relevant Australian Standards and New Zealand Standards (AS/NZS) used in residential design and construction.
On-site Experience through pre-recorded Online site inspections: deepening the understanding of construction points and knowledge by visualising real-life timber residential structures.