

DESIGNING PAVEMENT STRUCTURES

 **Dates and duration to be agreed upon**

 **Location to be agreed**

Please contact us for a personalised quote



OBJECTIVES

- Know the standards and rules of the trade on the design of road pavement structures.
- Be capable of assessing the design of road pavement structures in studies and performance reports.



THE BENEFITS OF YOUR TRAINING

- - This training session is based on practical design examples and Alizé-LCPC software-led computer exercises.



TARGET AUDIENCE

Ministries or road agencies



GOOD TO KNOW

- The availability of a room equipped with computers or laptops is necessary.
- Example of a 5 days programme



EDUCATIONAL PROGRAMME

Module 1 Structure of a pavement

- Basic concepts: various parts of a pavement, role of each layer.
- Various types of pavement:
 - flexible pavements;
 - semi-rigid pavements;
 - rigid pavements;
 - composite pavements;
 - inverted pavements.
- Materials from the formation level to the wearing course: bituminous materials, cementitious materials, untreated materials and soil.



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Module 2 Designing new pavements

- Characterising traffic.
- Characterising the formation level's soil and the materials for the design.
- Main design methods.
- The French rational method.
- The Alizé design software (LCPC-IFSTTAR).



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Module 3 Designing pavement strengthening

- The general approach to strengthening design.
- Characterising the deteriorated pavement and calculating its strengthening.



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Prerequisites : Have held or currently hold a position related to the training theme