

## Short Courses – Construction Supervision

### **Compaction & Soil Stabilisation Techniques for Supervisors**

#### **PURPOSE**

This short course is directed towards Supervisors to equip the learner with knowledge and skills regarding the importance of compaction and soil stabilisation techniques of soils

- Theory of Compaction
- Soil characteristics
- Sampling Techniques
- Properties of cement & Lime
- Compaction Plant & Machinery
- Stabilisation Layer Preparation
- Application Methods
- Watering Techniques
- Compaction Methods
- Curing & Control
- Selection and use of Rollers
- Maintenance Considerations
- Drainage in the Protection of Compacted Fills
- Compaction Problems
- Difficult Soils
- Safety