

SADEC TANZANIA POLYTECHNIC INSTITUTE



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PROFESSIONAL TRAINING ON RAIL AND HIGHWAY BRIDGE MAINTENANCE AND INSPECTION



Training Facilitator:
Harold J. Mtyana (Structural Engineer)

Date: 22 – 26 July 2024

Venue: Landmark Hotel, Dar es Salaam

Training Fee: Tshs.750,000/= Covering Tuition fee, Course materials, Two health breaks, Accreditation and Stationery

INTRODUCTION

SADEC TANZANIA POLYTECHNIC INSTITUTE (STAPI) is a Tanzanian Private Polytechnic Institute which has been registered by Business Registration and Licensing Agency (BRELA), Tanzania, with Registration No. 536123. The institute is located at Mitindo "A", Misungwi Town in Mwanza Region. One of its objectives is to offer sound and professionally structured training in principles, methods and application of modern and up to date technology while equipping participants with skills necessary for effective execution of their duties at workplaces. The institute is also recognized by Engineers Registration Board (ERB) of Tanzania.

TARGET GROUP

Railway and road bridge inspectors and maintenance engineers and technicians, civil engineers and technicians, consultants and contractors.

COURSE OVERVIEW

Safety, longevity, and efficient operation of railway and road bridges depends very much proper methods and schedules of maintenance.

Routine inspections, timely and proper repairs prevent catastrophic failures, ensuring the safety of passengers, cargo, and nearby communities. For this to be successful, a bridge engineer must be well equipped with maintenance skills.

In view of that, SADEC Tanzania Polytechnic Institute has organized a five (5) days training in which the main objective is to strengthen the professional capacities of Railway and road bridge inspectors and maintenance engineers and technicians, civil engineers and technicians, consultants and contractors.



COURSE OUTCOME

The objective of this training is to build professional capacities of participants on the best practices and state of the art of the methods for effective railway and highway bridge maintenance, management and inspection.

By the end of this training participant are expected to have gained the followings:

- To describe basic functions of various bridge components;
- To select and implement appropriate bridge maintenance management system;
- To follow proper technology and procedures for bridge and culvert inspection and maintenance

COURSE CONTENTS

Participants will cover the following Contents;

- Bridge Anatomy
- Introduction to Bridge Maintenance
- Bridge Maintenance Management Systems
- Cost-effective strategies for preservation of bridges
- Duties and responsibilities of a bridge inspector
- Procedures for carrying out bridge maintenance
- Latest technologies for bridge inspections

COURSE DELIVERY

The training will be participatory and full practical oriented (Individual works and discussions) with very limited lecturing on PowerPoint.

ACCREDITATION

Upon course completion, participants will be awarded certificates bearing 26 Professional Development Units (PDUs) given by the Engineers Registration Board (ERB).

Mode of Payment

Payment in advance shall be made through Institute's Bank Account indicated in the invoice that will be issued to the respective Participants upon their confirmation. Participants are therefore requested to confirm their participation in the training via Mobile or WhatsApp: +255655004212 or Email: rector@stapi.ac.tz. Payment by cash at the venue is strongly not recommended.

We integrate Technology with Sustainable Development