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**National University
of Science & Technology**

PROJECT TITLE: PROPOSED SHOPS, OFFICES
AND RESIDENTIAL FLATS

FINAL YEAR PROJECT
FOR

FADZAI RUFARO LORRAINE KWAMBANA

N004 1050F

DEPARTMENT OF CIVIL AND WATER ENGINEERING

FACULTY OF INDUSTRIAL TECHNOLOGY

PROJECT SUPERVISOR: ENG. V. V. DESAI

NATIONAL UNIVERSITY OF SCIENCE AND TECHNOLOGY

DATE OF SUBMISSION: AUGUST 03, 2009

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ABSTRACT

The title for this project is PROPOSED SHOPS, OFFICES AND RESIDENTIAL FLATS. This is a design of a three storey building in Gweru. The project includes structural layouts, designs, drawings and bending schedules of all the main structural elements, that is, roof truss, beams, columns, slabs, bases and staircases.

Design of structural elements was done in part manually and also using PROKON for analysis and design.

The project was designed in accordance to BS8110 (1997). Detailing was done in accordance to IStructE/ Concrete Society, Standard Method of Detailing Structural Concrete 2006 and bending schedules in compliance with BS4466-1989.

Other relevant bibliography is quoted in reference.