NETWORK ACTIVITIES
NODE: FOCAL POINTS OF MEMBER STATES

NATIONAL UNIVERSITY OF SCIENCE AND TECHNOLOGY, ZIMBABWE

A BRIEF NOTE

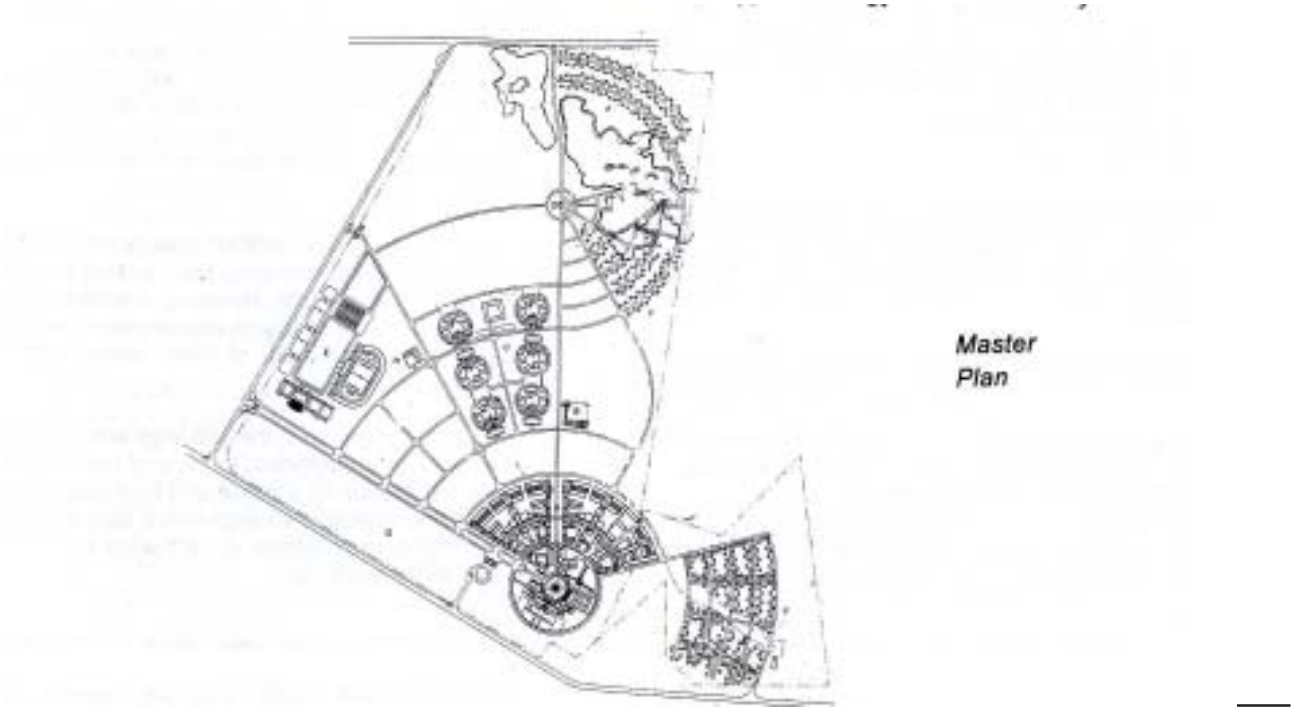
The National University of Science and Technology was founded in 1991, following a Government-sponsored commission of enquiry into the establishment of a second University in the country. Prior to that, the University of Zimbabwe was the only state-run university in the country. The need for a second university came about after the realization that the University of Zimbabwe did not have a technological thrust and industrial bias. Therefore, the establishment of NUST was in direct response to the technological needs of Zimbabwe. The ultimate aim was to produce academic graduates with proven technological skills and industrial experience.

To build a university to fulfill these aims was an extremely difficult and complex task. For a start, there was no similar institution to consider for guidance. Secondly, details of the buildings themselves were very sketchy and it needed expereinced personnel to design the buildings. This process led to the development of a Master Plan and a catalogue of building design briefs. As shown on the attached drawing, the master plan proposed buildings covering the entire development of the University Campus.

DEVELOPMENT PROJECTS

The University Campus is designed to have the followign facilities and programmes:

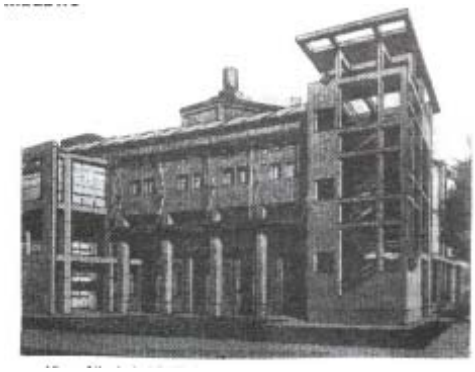
1. Administration Block with 200 offices
2. General-Purpose Hall with a capacity for 2000 people
3. Central Library
4. Shopping mall with restaurants, banks and cinema
5. Faculty of Commerce with five departments and MBA school
6. Faculty of applied sciences with the following departments:
   (a) Applied Chemistry
   (b) Applied Biology and Biochemistry



Master Plan

National University of Science and Technology, Zimbabwe

Model View of the Central Plaza Buildings



View of the Industrial Technology Faculty from Pedestrian Boulevard

(c) Applied Physics
(d) Applied Mathematics
(e) Computer Science

7. Faculty of Industrial Technology with the following departmental blocks:
   (a) Chemical Engineering
   (b) Industrial Engineering
   (c) Civil and Water Engineering
   (d) Electronic Engineering
8. Faculty of Architecture and Quantity-surveying with the following departments:
   (a) Architecture
   (b) Quantity Surveying
9. Faculty of Environmental Sciences
10. Faculty of Communication and Information-Technology
11. Faculty of Art, Education and Social Sciences
12. Central Stores and Maintenance
13. Students Union
14. Student Residences
15. Staff Housing

In 1991 the total cost of building and equiping the institution detailed above was estimated at Z$500 million (about US$100 million). In view of the depreciating Z$, the project is now estimated at Z$15 billion.

This was a mammoth task and the project had to be phased. The first phase had the following projects:

1. Administration Block, 2. Faculty of Commerce
3. Applied Chemistry, 4. Chemical Engineering
5. Central Library, 6. Ceremonial Hall
7. Shopping mall, 8. Student Residences
9. Applied Physics, 10. Civil and Water Engineering
11. Central Stores and Maintenance
12. Architecture and Quantity Surveying

This project was to be wholly funded by the Zimbabwe Government, but a recession in the 1990s created budgeting problems. The only projects started in phase one have been:

Administration Block *1993* (now complete)
Faculty of Commerce *1994* (now complete)
Applied Chemistry *1994* Chemical Engineering *1995*
Student Residences *1995* Central Library *1997*
Shopping Mall *1998* Ceremonial Hall*1998*

Of these projects only two have been completed and handed over and these are the Administration Building and the Faculty of Commerce.

The harsh marco-sitaution in the country has made it extremely difficult to make reasonable progress on this project. We are thus forced to seek funding from sources other than the Government of Zimbabwe which has other serious finanical problems. We, therfore, welcome any assistance from anybody in whatever form.

The delayed completion of NUST has made it difficult for the academics to progress their research to the level that they would like. However, credit must be given to them for the research and development that they have accomplished, to date, under difficult conditions.

The next challenge, once the buildings are complete is to equip the laboratories. In view of the fact that this is an institution of science and technology, it is important that appropriate equipment is also provided. We also welcome donations, in cash and kind, to help us equip these buildings.