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BUET laboratories being enriched

Our BUET Correspondent

The computer engineering department of Bangladesh University of Engineering and Technology (BUET) has planned to set up six modern laboratories for its undergraduate courses at a cost of Taka two crore.

The department has already started procuring instruments for its microcomputer (software and hardware), digital electronics and image processing laboratories. Work on two other laboratories, namely computer communication and robotics (control) will be embarked upon soon, it is learnt.

It may be mentioned here that the computer engineering department has introduced undergraduate courses from the 1987-88 academic session with a batch of 30 students. The department opened M. Sc

courses in 1984.

Prof. Syed Mahbobur Rahman said that the department had been facing problems in establishing the laboratories due to shortage of fund. He called upon the government and private organisations to extend help to the department for the development of computer technology in the country.

He said that the course syllabi of BUET have been appreciated by local and foreign computer experts.

METALLURGY

The metallurgical engineering department has recently obtained a highly sophisticated equipment called x-ray diffractometer at a cost of Taka 30 lakh.

Prof. Md. Sirazul Islam of metallurgical engineering said that the instrument would be used to determine the precise positions of molecules within

a substance by x-ray diffraction. In this manner the impurities and inner make-up of any solid crystalline substance can be found out, he said.

Prof. Sirazul Islam said that composition of solid substances could not be studied minutely by the conventional chemical analysis.

TOWING TANK LAB

The naval architecture and marine engineering department of BUET is contemplating the setting up of a towing tank laboratory at a cost of Taka one crore, it is learnt.

The towing tank will be used to demonstrate the stability of a designed model ship under various conditions. A wave generator, a pump and dynamometer will also be purchased for the purpose. Prof. Khabirul Haque Chowdhury of the department said that most of the riverine accidents of the country took place due to poor stability of the river crafts. The establishment of a towing tank in the department would help test the stability of any river cruiser in the country, he added.

The department has recently procured a micro-computer at a cost of Taka two lakhs for its research work.

The micro-computer will facilitate the drawing of 'hydrostatic curves', 'cross curves', and 'lines plan'.