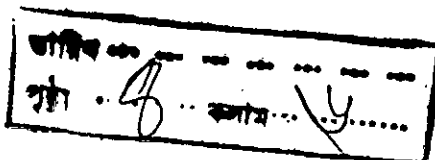


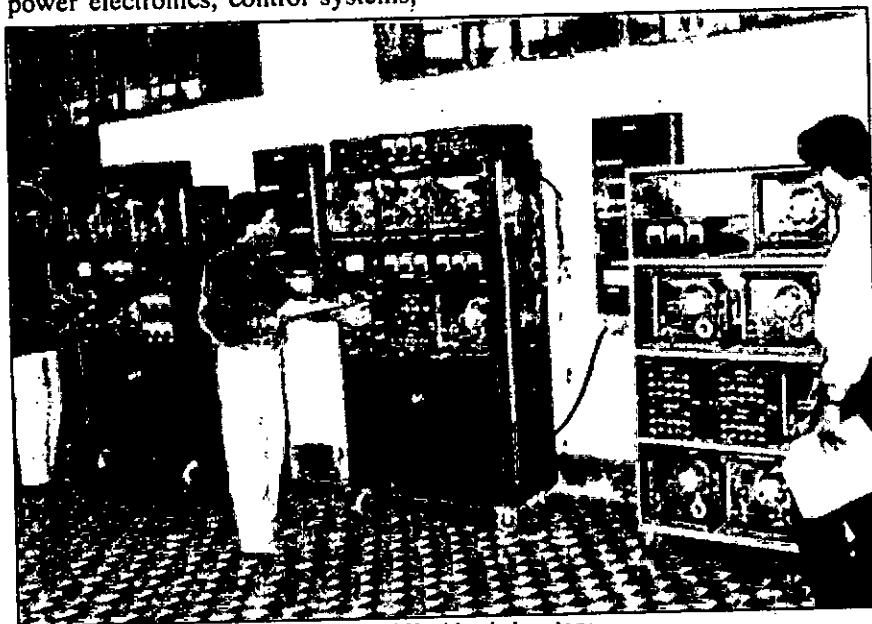
9/5/2002



BUET's Electrical And Electronic Engineering Deptt.

ELECTRICITY plays a vital and in fact indispensable role in all fields of modern human activities. Consequently, electrical & electronic engineering has established itself as one of the most important branch of engineering. The technical aspects of this branch of engineering are often categorized by terms such as power systems, power electronics, control systems,

dent can discuss with his/ her advisor about his/her problems of any kind and may overcome them in shortest possible time. The new generation of Electrical Engineers is encouraged to undertake research and development activities in the above areas and this department is committed to the study and analysis of fundamental as well as applied



Advanced Machine Laboratory

telecommunications, electronic Circuits, Solid State Devices, and Computer Engineering. With increasing importance of computers, the Department of Computer Science and Engineering was opened as a separate department but all the students of electrical and electronic Engineering and required to have balanced knowledge of digital electronics, computers, microprocessors and programming. The Department of Electrical and Electronic Engineering has 15 laboratories in its different areas. Recently 3 modern laboratories have started functioning. They are VLSI, DSP and Power system laboratories. Apart from these three laboratories Switch gear and protection laboratory has been equipped with modern tools of learning. In all aspects the laboratory facility in EEE Departments is comparable with only similar department of the world. A balanced well trained group of teachers of different levels are the resources of the department. Out of 77 teachers there are 30 with Ph. D. degree and 20 with M. Sc. Engg. degree. At present there are 12 Professors, 7 Associate Professors, 5 Assistant Professors and 26 Lecturers in the department. The department has also very strong technical support staff assisting the teachers in the laboratories.

Apart from the central library facility of the university, there is a library in the first floor of the department. The library is used by both the teachers and students for quick references. In total the EEE department handles near about 1000 undergraduate students. In the present course system, each and every student has an advisor in the rank of

problems. Problems of national importance have consequently received great emphasis in the activities of this Department. Problems in the fields of electrical power generation, transmission and distribution, high voltage transient, power system, system planning, design and reliability studies have become areas of investigation, just as microwave fading in radio relay lines, design of new types of antennas, computerization of propagation, remote sensing, design and synthesis of electronic circuits, fabrication of solar cells, application of neutral networks etc. have received due attention.

In addition to the above there is opportunity for postgraduate studies and research leading to M.Sc. Engg., M. Engg. and Ph. D. There are usually about hundred postgraduate students and suitably qualified students receive financial assistance. Under the postgraduate programs, various research works in such areas as renewable energy, real time power system controls, digital protection of grid system, reliability and power system, planning electrical machine and drives, high voltage engineering industrial controls, telecommunications, VLSI design, signal processing, microprocessor based system, electrical material science, semiconductor devices, bio engineering and fiber optics/laser communication are undertaken. The teachers and students of this Deptt. have made a significant contribution in research and publications. Every year many teachers attend national and international seminars conferences. They also publish many papers in internationally reputed journals.