

- \* Fabrication and Welding Shop
- \* Metrology lab.
- \* Thermodynamics & IC Engines lab.
- \* Mechanical Control & Instrumentation lab.
- \* Refrigeration and Air-conditioning lab.

## B. Electrical & Electronic Engineering

- \* Physics Laboratory
- \* Illumination lab.
- \* Measurement and Instrumentation lab.
- \* Electrical Machines lab.
- \* Electrical Workshop
- \* Electronics Technology lab.
- \* Micro-computer lab.
- \* Electrical Utilization lab.
- \* Power System lab.
- \* Electrical Circuit lab.

## C. Instructor Training and General Studies

- \* Audio-visual lab.
- \* Language lab.

## Academic Activities

The first short course was held in October 1985 which was of 3 week duration. This country course for 30 Instructional Staff and 3 Junior administrators of Bangladesh was offered in collaboration with the National Centre for Research in Vocational Education (NCRVE), Ohio State University, U.S.A.

The second one was an international course on Implementation of Large Fertilizer Projects, held for 3 weeks in Jan-February 1986. This was

being for all the registered students the cost of tuition, food and lodging is borne by the Centre. The Centre also provides medical service, games and sports facilities free of charge. All the students are also granted pocket allowances to meet incidental expenses.

## SHORT COURSES

The Centre not only offers long courses but has programmes to upgrade and update skill and knowledge of the mid and top level manpower of the Member States, and also carrying out research especially in the field of technical education and to disseminate information among the experts working in different fields. In addition to the short courses prior to the first academic year the following seminars/short courses were organized or being planned to be organized till 30 June 1989.

1. Inspection and Quality Assurance in Metal Working Industry
2. Development of Course Curriculum
3. Management of Technical & Vocational Education
4. Micro-Computer Programming and Applications
5. Solar Energy and Its Application
6. Planning and Development of Technical and Vocational Education
7. Economic Scheduling of Large Power Systems
8. New and Renewable Energy
9. Curriculum Development for Technical & Vocational Education
10. Modern Instrumentation and Control
11. Modern Practices in Design Offices of Metal Working Industries.
12. Process Control in Chemical Industries
13. Planning and Development of Metal Working Industries

The research in the fields like Software and Hardware Development of Compatible Micro-computer for multiple and multilingual uses in the OIC Member States. Applications of Solar Thermal Energy and Solar Photovoltaics, Building of an Experimental Transport Vehicle using the facilities of the OIC Member States, Brain Drain from the OIC countries have also been taken up by the Centre.

## Games and Sport

In addition to academic activities to develop a healthy and sound mind, facilities for games and sports are provided. The First Annual Sports meet was held on 12 February 1988 which was participated by enthusiastic students and staff.

## Personnel

The courses at the Centre are offered by 12 highly qualified teachers, coming from Bangladesh, Pakistan, Sudan, Turkey and 41 officers and staff are also assisting in the running of the Centre. The Chief Executive i.e. the Director of the Centre, Prof. Dr. Abdul Matin Patwari, former Vice-Chancellor of Bangladesh University of Engineering & Technology is an internationally famous personality. With the progress of time and arrival of more students and opening up of new programmes and specialisations as envisaged in the programme the Centre plans to have more teachers from the OIC Member States.

## Conclusion

ICTVTR has started courses at different levels and soon will be in full operation and will be offering varied programmes and specializations in the technical fields at many levels and bringing together the students and staff of the OIC Countries with the objective of enhancing the knowledge in an Islamic Environment. The type of

## The Department offers the following courses:

Programme	Duration (Year)	Specialization
Master of Technical Education	1	Thermofluid Engineering, Production Engineering, Chemical
Post-Graduate Diploma in Technical Education	1	Engineering, Electrical Engineering, Electronic Engineering
Bachelor of Technical Education	1	Refrigeration & Air Conditioning, Automotive Technology, Production Technology, Design & Drafting, Chemical Process Plants, Petro-chemical & Refining, Food Technology
Diploma in Technical Education	1	Electrical Machines & Power Technology, Switch Gear & Protection Technology, Radio T.V. Technology, Instrumentation & Control Technology, Power System Technology
Diploma in Vocational Education	1	Mechanical Fittings, Automotive, Metal Forming, Metal Machining, Welding & Fabrication, Refrigeration & Air Conditioning, Electrical Machines, Electrical Wiring & Cable Jointing, Radio & TV servicing, Instrumentation & Control
Certificate in Vocational Education	1	

## Contribution and Donations

The Centre could be set up only due to the collective efforts of the Members States of OIC. The total capital cost of the project of ICTVTR is about US \$ 21 million. From the earliest stages the Muslim Countries had participated in its design, management and financing.

As on 30 June 1988 an amount of US\$ 6.551 million was received as mandatory contributions from the Member States and US\$ 7.7070 million has been received as donations.

## PHYSICAL FACILITIES

1. Instructional Block to house class rooms, labs, and academic offices.
2. Student Dormitories for 350 Students
3. Administrative Block of 2000 sq. meter with exhibition arcade.
4. Cafeteria for 1000 servicing
5. Library with a capacity of 2000 linear meter shelf
6. Mosque for over 500 people
7. Sports fields, Students Centre for outdoor & indoor games.
8. Workshops (3 blocks)
9. Faculty and Employee Housing
10. Auditorium of 600 capacity
11. Internal Roads & Water Pool
12. Central Court.

## Laboratories and Workshops

The Centre has already 25 well equipped laboratories and workshops, being used for instructional purposes. Equipments for another group of laboratories and workshops are in the process of installation and procurement.

## A. Mechanical and Chemical Engineering

- \* Heat Transfer lab.
- \* Fluid Mechanics & Machinery lab.
- \* Applied Mechanics & Materials lab.
- \* Automotive Technology Workshop
- \* Drawing & Design Studio
- \* Machine Shop
- \* Fitting Shop

organized in collaboration with National Fertilizer Corporation of Pakistan and Bangladesh Chemical Industries Corporation (BCIC).

The 2 week long Third International Short Course on Operation and Maintenance of Fertilizer Plants was held in March 1986. It was offered in collaboration with P.T. Pupak Sriwijaya (PUSRI), Indonesia, and BCIC.

## First Academic Year

The Academic Year 1986-87 started in December 1986

A total number of 89 students from 8 different OIC countries were selected.

A six month long special course for 4 Indonesian students was also organized during the First Academic year.

## First Congregation Ceremony

At the end of the First Academic Year a Congregation Ceremony for the award of Diploma was held on 21st October 1987. H.E. Justice A.K.M. Nurul Islam, Vice-President of the People's Republic of Bangladesh distributed the certificates to the Post-graduate students.

## Second Academic Year

The second academic year 1987-88 started on 29 November 1987 with the following regular courses.

- 1) Post-graduate Diploma in Technical Education
- 2) Diploma in Technical Education
- 3) Higher Diploma in Mechanical Engineering
- 4) Higher Diploma in Electrical Engineering
- 5) Trade Course Certificate in Vocational Education

A total of 135 new students from 12 OIC Member States were selected for admission. The students are offered subjects like Islamic History and Culture, Arabic in addition to technical subjects and they are also given instructions in the modern laboratories and workshop of international standard but in an Islamic Environment. For the time



Dignitaries Visiting a Laboratory.

14. Micro-Computer Applications

## RESEARCH

As a part of research on technical education of OIC Member States, ICTVTR have arranged one International Seminar on Technical and Vocational Education in OIC Member States which will start on July 14, 1988.

Centre is unique in the world and serving the causes of the Islamic Ummah. The products of the centre are supposed to serve all the OIC nations in a better way. It needs the support of all the people and the governments of the OIC countries of the world and it is hoped that in near future the Centre will be a Centre of Excellence.