

Two share top award for novel traffic light system

STUDENT EXPO OPENS

By INDIRA CHAND

LABOUR and Social Affairs Minister Abdulnabi Al Sho'ala opened a two-day exhibition of projects made by students of the Bahrain Training Institute yesterday.

The first BTI Projects Exhibition features 20 projects prepared by students enrolled in the institute's programmes in electrical and electronics technology, instrumentation and control, computer technology, mechanical and plant engineering and motor vehicle technology.

The exhibition, at the BTI in Isa Town, is open to the public today from 8am to 2pm.

An award for Best Project of the Year went to Hassan Mohsin Ali and Isa Ali Isa Abdulaziz for the development of microprocessor-controlled traffic lights.

The signalling system, based on the new traffic lights system in Bahrain, uses an underground

sensor that directs the operations of the traffic lights according to the intensity of traffic.

The software written for the

project incorporates great flexibility to cope with unpredictable traffic jams, accidents and breakdowns.

An automatic car battery charger, developed by Ali Nasser Saeed Rashid and Abbas Yousif Ahmed Omran, is aimed at saving trips to a garage in case the car battery self-discharges.

The small and handy battery charger uses the main AC power supply and switches off automatically when the battery is fully charged.

Alaa Hassan Ali Abdulla developed a model of a car braking system, utilising used parts from a washing machine.

An engine test bed unit, developed by Yasser Ammer Ali and Ahmed Isa Ali Mohammed is now being used in the BTI's motor vehicle workshop as a teaching aid.

Other projects on display include a combinational digital lock, work area layout facilities, rider's grading point system for the Bahrain Equestrian Association and a lifting winch.



INSPECT ... Mr Al Sho'ala, left, examines one of the exhibits.



GIFT ... Mr Al Sho'ala, second from left, presents a gift to student Zahra Ghuloom Hadi for her project on fluid flows through pipes and valves. They are watched by Labour and Social Affairs Under-Secretary Shaikh Ahmed bin Sager Al Khalifa, second from right, and BTI Director Dr Najj Ahmed Al Mahdi, left.



MODEL ... Hassan, right, and Isa with their award winning microprocessor controlled traffic lights model. Top: Nahla Jaffer, right, explains the highlights of her project which involved the design and construction of a strain gauge displacement measurement system.

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■FUNCTION ... *Commerce Minister Ali Saleh Al Saleh and Labour and Social Affairs Minister Abdulnabi Al Sho'ala yesterday attended a ceremony organised by the National Motor Company at its headquarters on Al Tawoon Highway, Sitra, marking its appointment as sole agent for Cadillac and Chevrolet cars. The ceremony was also attended by Finance and National Economy Under-Secretary Shaikh Ibrahim bin Khalifa Al Khalifa, Commerce Under-Secretary Dr Abdulla Mansoor, Assistant Under-Secretary for Commerce and Companies Affairs Mohammed Al Tajir and other officials.*