

**MINISTRY OF EDUCATION AND TRAINING  
HCMC UNIVERSITY OF TECHNOLOGY  
AND EDUCATION**

**Form No. 18.E**

***E. Public report on projects, researches, theses, graduate theses***

***Electronics and Telecommunication Engineering Technology (High-quality program)***

<b>No.</b>	<b>Research Topic</b>	<b>Researcher</b>	<b>Instructor</b>	<b>Brief Summary</b>
1	The Downlink Performance Analysis of Non-Orthogonal Multiple Access (NOMA) In Cooperative Networks	Ngo Duc Tai	Pham Ngoc Son	A study of radio communication and a downlink performance analysis of non-orthogonal multiple access in cooperative networks
2	Vehicle Number Plate Identifications	Pham Dinh Huy	Nguyen Van Phuc	A study of image processing to identify car number plates
3	The Investigation On The Quality Of The Radio-Over-Fiber MIMO-OFDM Systems	Tran Vuong Em	Pham Hong Lien	A study of radio and optical communication systems, and an investigation on the quality of the radio-over-fiber MIMO-OFDM systems
4	The Design Of A Pond-Based Shrimp Culture System	Tran Xuan Bach	Nguyen Ngo Lam	A survey study of design of a pond-based shrimp culture system
5		Nguyen Quyet Thang		
6	The Design And Construction Of 3-Phase Inverter Using MPPT Technology For Battery Charger	Hoang Nguyen Hoai Nam	Hoang Ngoc Van	A study of design and construction of 3-phase inverter using MPPT technology for battery charger
7		Huynh Nguyen Duy Thanh		
8	The Design Of Smart Mirror	Tran Huu Nghia	Nguyen Dinh Phu	A study of design of smart

9		Tran Nguyen Vu		mirror
10	The Control And Supervision Of The Coal-Fired Thermal Power Plant	Nguyen Tuong Anh Tuan	Nguyen Tan Doi	A study of control and supervision of the coal-fired thermal power plant
11	The Storage And Analysis Of Electricity Index For Power Plants Over The Internet	Tran Doan Manh Hung	Truong Dinh Nhon	An investigation on storage and analysis of electricity index for power plants over the Internet
12		Vo Thanh Tuan		
13	The Design Of Plant Care And Fish Farming Systems	Nguyen Hong Loc	Nguyen Thanh Hai	A study of design of plant care and fish farming systems
14		Pham Huu Truong		
15	The Fire Prevention And Firefighting System Using IoT Technology	Nguyen Van Hieu	Nguyen Ngo Lam	A study of fire prevention and firefighting system using IoT technology
16		Lam Ngoc Son		