

OBJECTIVES

- » To conduct research, provide consultation, and apply science and technology in electrical and electronic engineering, ICT systems, software technologies, big data, thin film technology, semiconductor and coating materials.
- » To support innovation and development for organizations and enterprises, and to deliver scientific and technological services.



SCIENTIFIC RESEARCH

- » Research, development and apply technology to build software and solutions to integrate management and administration in the supervision of information on the field of land and water resource management, environment and other information systems;



» Research and design information systems on an open-source platform to serve multiple users in the field of big data to meet the problem of integrating and sharing data on digital platforms, to support the decision-making process in responding to and minimizing risks of natural disasters, climate change and environmental disasters; a database on the features of advanced materials, build a database for backdrops in Vietnam;

» Cooperate to study on the fields of natural resources and environment, sustainable development and climate change adaptation, remote sensing, GIS and IoT integrated systems for environmental monitoring and treatment facilities, natural resource management and natural disaster prevention;

» Research solutions to develop technology applications of semiconductor materials, solutions to support education, trade, electrical and electronics with Microwind software or equivalent in the field of education, technical transfer in the field of chip design, packaging, testing and related fields;

» Study advanced technologies, produce domestic paints,



create a type of paint with special properties of absorbing infrared radiation, applied in security and defense practice;

» Study and develop advanced domestic material formulations to replace imported materials and environment friendly;

» Study on underwater detection and tracking systems; underwater communication system.

SCIENTIFIC AND TECHNOLOGY SERVICE

- » Machinery and technological equipment; computer equipment; means of production, means of consumption machinery and equipment for the construction of works, special vehicles and spare parts; vocational training equipment, educational equipment, school supplies;

» Designs and formulas for manufacturing materials, participating in training and technology transfer;

» Calibration of test and measurement equipment; inspection of goods quality, quality inspection of construction works;

» Technical solutions, machinery and high-tech equipment in the fields of electrical – electronics and telecommunications, information technology, optics, semiconductors, precision mechanics,... and measurement and testing solutions;

» Training, science and technology communication and innovations; organize conferences and seminars;

» Technology transfer promotion services (creating, seeking opportunities and promoting technology transfer; advertising, introducing and displaying technology; organizing fairs, fairs, technology exhibitions and technology trading centers).

