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**AGRICULTURE ENGINEERING INNOVATION IN
DEPARTMENT OF AGRICULTURE AN OVERVIEW**

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ABSTRACT

Department of Agriculture (DOA) is an extension department. Creativity and innovation are the main tool in order to make extension activities more attractive and interesting. Every year about 5 to 10 innovation created by DOA staffs. These innovations included in the field of office management, horticulture, soil science, food technology and agriculture engineering. For the past 10 years there are 10 innovation related to agriculture engineering were created. This innovation included Virgin Coconut Oil Extractor, Sweet Corn Kernel Peeler, Sugar Cane Peeler, Coconut Dehusker, Bagging Machine, Banana Slicer&Fryer, Shallow Tube Well Digging machine etc.

The aim of mechanization in agriculture is to increase productivity and quality. Through an innovation the new tool or machine will be created..The machines created by local inventor usually more adoptive with our condition and culture. Beside to make work easier the innovation also improved product quality, production capacity and more hygienic.

In agriculture sector mechanization has covered almost all stage from land preparation to the processing of agriculture produces. Most of the machinery or equipment used in this country are imported. However, the imported machine is not fulfill the local requirement and needs some modification. Based on this situation, the Agriculture Engineering Division of DOA setup a special division to identify and implement innovative programs and fabrication to fullfil local requirement. Through the exposure of new machinery and equipment at the extension agents can implement the programs which increase farmers' income.

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