IISc Develops Simulators to Train Nurses

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BENGALURU: The Indian Institute of Science (IISc) Bengaluru is all set to release in the market simulators designed by its scientists that will be used to train nurses in a couple of months.

The idea was initially floated by Dr Devi Shetty of Narayana Hrudalaya in a meetings of the Karnataka Knowledge Commission (KKC) held in September 2014, and a decision was taken to manufacture simulators in December 2014. The Centre for Geo Design Management at IISc agreed to implement the project.

As a result, in total four simulators are ready and will be available for use at hospitals and nursing colleges within the next two months. According to sources from IISc and Knowledge Commission, of that one is for Narayana Hrudyalaya, one for a government hospital in the city, one for a government hospital in rural Karnataka and one will be retained at IISc for further study.

Need of Simulators

According to experts, the nursing staff in the medical industry are as important as the doctors. As of now, the nurses get little hands-on experience during the course period and they depend on the patients to get experience. The simulators will give the nurses hands-on experience.

The project, that has been going on for six months now, is in its final stage and will be ready in two months. These simulators are built with the computerised internal activities and controlled using computers.

How Helpful

These simulators will be helpful, mainly to provide training for treatment of heart diseases. In the initial stage, these simulators will be worked with relation to heart beat, blood pressure and others.

A similar system functioning similar to the human heart has been designed using computers. This will give real experience to nurses during training.