

**GOVERNMENT OF INDIA
HUMAN RESOURCE DEVELOPMENT
LOK SABHA**

UNSTARRED QUESTION NO:1534

ANSWERED ON:29.07.2015

Launch of e-Yantra

Mahajan Smt. Poonam

Will the Minister of HUMAN RESOURCE DEVELOPMENT be pleased to state:

- (a) whether the Government has launched e-Yantra to incorporate robotics into engineering education;
- (b) if so, the details thereof including the amount of funds sanctioned for the same;
- (c) the number of projects undertaken under the aegis of e-Yantra since its inception, year-wise; and
- (d) whether e-Yantra has been successful in engaging students in the country in order to turn them into engineers who can support a rapidly growing economy and if so, the results thereof?

Answer

MINISTER OF HUMAN RESOURCE DEVELOPMENT

(SMT. SMRITI ZUBIN IRANI)

(a) Yes, Madam.

(b) The Project titled "e-Yantra Robot Enhanced Teaching of Subjects in Engineering Colleges" was awarded to the Department of Computer Science and Engineering, Indian Institute of Technology Bombay. The objective of the project is to enable effective Embedded Systems and Robotics education through Project Based Learning (PBL) across engineering colleges in India, by:

â€¢ Providing training for teachers and students – through workshops where participants are taught basics of embedded systems and micro controller programming

â€¢ Engaging teachers and students in hands-on experiments with robots – through competitions where participants are given robots to devise a solution, and

â€¢ Helping colleges to set up Robotics labs/clubs – by awarding a basic set of robots and expert advice to colleges, facilitating setting up of labs, in addition to training their teachers through workshops, transferring pedagogy know-how and setting up community fora to address the needs of this community.

The funds sanctioned by the Ministry since 2009 till date for this project is

Rs. 3,04,39,000/-.

(c) Only 1 project in phased manner is being undertaken under the aegis of e-Yantra since its inception in year 2009.

(d) Yes, as per the information available from the Project Investigator (PI), the project has benefited over 22000 students. Over 1000 teachers have been trained on Robotics. Robotics laboratories have been set up in 107 engineering colleges. Over 1100 robots have been distributed through this project and over 75 workshops have been conducted for the training of teachers and students in the area.
