

KARNATAKA STATE COUNCIL FOR SCIENCE AND TECHNOLOGY

Indian Institute of Science Campus, Bengaluru 560012

**LIST OF PROJECT SELECTED FOR SEMINAR/EXIBITION UNDER
37th SERIES OF STUDENT PROJECT PROGRAMME: 2014-2015**

RAJARAJESWARI COLLEGE OF ENGINEERING

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

SL.N O	YEAR	TITLE OF PROJECT	NAME OF GUIDE/S	NAME OF STUDENTS	SANCTIONE D AMOUNT	STATUS
1	2013-14	Energy efficient solar dish washer	Pavan kumer K.R Sincy E.K	Sangeetha .S Shashi JnanaDeepthi	5,500	Completed and won best project award in KSCST- 37 series project
2	2013-14	Customer security at ATM	Soumya.M Krisha Prasath.S	Karthic.k Madhu Naveenkumar D.K DeepuYadav	3,500	Completed and exhibited in 37 series KSCST project

Students design ATM siren, unmanned vehicles

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Hubli. Recent crimes, which have hogged media attention, seem to have been on the minds of engineering students who have designed socially applicable products.

About 150 products or models built by engineering students from all over the state are on display at the 37th series of student project programme organized by Karnataka State Council for Science and Technology (KSCST) in BVB College of Engineering and Technology in Hubli on Monday.

INNOVATIVE MINDS

The event is divided into seminar projects containing 105 models and exhibition projects with 205 models. There are 50 projects on biofuels.

Students of Rajarajeshwari College of Engineering, Kumbalangi, Bangalore, have developed a project to ensure customer safety in ATMs. Team guide Soumya M said the idea was conceived after the recent attack on a woman in an ATM. Team leader Karthik H said the



IDEAS APLENTY: (Clockwise from above) A driving accessory for the physically-challenged, developed by KLS Gogte College, Belgaum; a flying quadcopter of Dr M V Shetty Institute of Technology, Moodbidri; and a siren of Rajarajeshwari College of Engineering, Bangalore, that goes off when ATM security is breached

model is designed to alert police and bank branch manager when there is a breach. "A sensor mike fixed in the ATM gets activated when there is a loud sound and give out a siren to alert public. The door of the ATM will also get locked immediately," he explained.

When questioned about the possibility of a serious assault on the customer within locked doors, Soumya said her team's intention was to catch

miscreants red-handed. "However, we will also focus on the safety of customer in the next steps of advancements," she said. She also said the college has already applied for a patent. Karthik added that it can also be used in jewellery stores, banks and houses where senior citizens or women reside alone.

Another project garnering a lot of attention is the unmanned mobile patrol vehicle

developed by students of MS Ramaiah Institute of Technology Bangalore. Team leader Pawan Jalgar said their model is designed to assist police and armed forces. The model can be used to monitor suspicious movements and can be controlled by a person sitting at control room and watching movements on a computer screen. The vehicle can be moved in all directions. The team said the model can be used by police as well during curfew-like situations to maintain law and order.

Students of BVB College, Hubli, have developed a food automation device that will prepare omlette in 3.5 minutes. Team guide Prof Raghavendra Nakod said that there will be three bowls - one for the egg, another for necessary garnishing and the third for oil.

The exhibition has other models with using wireless sensor network and projects in environmental engineering, biotechnology engineering and medical electronics engineering. Biofuel projects focused on biochemical conversion, solar energy-based diesel and use of biofuel.

