

# Proposing a solution to energy crisis

SPECIAL CORRESPONDENT

**KOLLAM:** A solution to the world's energy crisis proposed by a student of the Amrita Vidyalayam at Puthiyakavu, near here, attracted global attention when his thesis was presented at an international conference on Humanitarian Technologies held in Seattle, U.S., on October 12.

S. Amritanand, a class 11 student, was the youngest presenter at the conference, organised by the Institute of Electrical and Electronics Engineers (IEEE). A statement from Amrita University said Amritanand, 16, came up with simple methods that could bring electricity to



S. Amritanand at an international conference on Humanitarian Technologies in Seattle, US.

remote villages in India.

Amritanand and his team presented a model wherein villagers can produce electricity while riding their bicycles. The bicycles would be fitted with a dynamo, which when connected to the wheels of the bicycle would produce electricity

on the move.

## From sun too

A solar panel attached to the cycle would produce electricity while parked under the sun or even in the shade. It was established by the team that the power so generated was sufficient to operate a few electrical devices such as LED bulbs, television, and a mobile charger. The students of Amrita Center for Wireless Network and Applications P. Divya, U. G. Ghosh, and Tinu Vinod participated in the research with Amritanand.

Amritanand S. is the son of Sudhir Kumar and Maneesha of Amritapuri here.

# Amrita student's paper on solving energy crisis bags int'l accolades



Amritanand suggested producing electricity while riding bicycle. Fitted with a dynamo, which would be connected to its wheels, the cycles would produce electricity, while moving.

S Amritanand at the international conference held in Seattle, US



EXPRESS NEWS SERVICE @ Kollam

A 16-year-old student from the district shot to fame after he presented his ideas on resolving the world's energy crisis, during an international conference.

S Amritanand, a Class XI student of Amrita Vidyalayam, Puthiyakavu, won accolades when he presented his thesis in the Global Humanitarian Technology Conference (GHTC) being held at Seattle, Washington, USA. In his presentation, he cited simple, practical methods that could electrify remote villages in India, thereby bringing elec-

tricity to over 18,452 power-starved villages.

"Amritanand suggested producing electricity while riding bicycle. Fitted with a dynamo, which would be connected to its wheels, the cycles would produce electricity, while moving. A solar panel attached to it would convert solar energy to electricity when the vehicle is parked under the sun or even in the shade. A team established that the power thus generated was sufficient for a few electrical devices such as LED bulbs, television and a mobile charger," said Brahmacharini Sunitha, Principal of Amrita Vidyalayam. Am-

ritanand is the son of Sudhir Kumar and Maneesha of Amritapuri, Kollam.

The conference also saw attendance of students P Divya, U G Ghosh and Tinu Vinod of Amrita Centre for Wireless Network and Applications. Besides Amritanand's paper, five research theses from 'Amrita Live in Labs' programme and a thesis on 'Ocean Net' developed by Amrita University were also presented in the conference.

GHTC focuses on bringing together people to address critical issues for the benefit of resource-constrained and vulnerable populations in the world.

REPERY AT LAMP

## Student presents electricity solution

**Kollam:** A novel solution for solving the world's energy crisis proposed by a school student from Kerala has attracted global attention when his thesis was presented at the international conference on Humanitarian Technologies held at Seattle in the United States. S. Amritanand, a Class XI student from Amrita Vidyalayam in Puthiyakavu was the youngest presenter in this prestigious conference organised by the Institute of Electrical and Electronics Engineers (IEEE). The 16-year-old

Amritanand came up with simple and practical methods that can bring electricity to remote villages in India.



Amritanand and his team presented a unique and simple model wherein ordinary villagers can inadvertently produce electricity while riding their bicycle during their daily commute. The cycles would be fitted with a dynamo, when connected to the wheels of the bicycle, would produce electricity on the move. A solar panel attached to the cycle can produce electricity when it is parked under the sun or even in the shade. It was established by the team that the power so generated was sufficient to operate a few electrical devices like LED bulbs, television and a mobile charger.