

## MISSION MANTRA

# 'Innovation and precision key to success'

Dna correspondent @dnaahmedabad

Precision coupled with innovation takes us long, and to glory. This was the sum of SAC-ISRO Director A S Kiran Kumar's address to students on Saturday about the innovations and precision in the successful Mars Orbiter Mission.

"We have been receiving number of images from colour camera present on mangalyan and for the first time ever ISRO has been able to photograph moon of Mars 'Phobos'. This is a very good achievement for us and we can study 'Phobos' further now," said an excited Kiran Kumar.

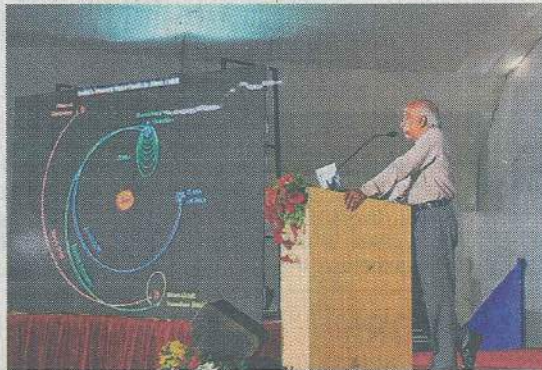
"Precise calculation of the position of the MOM helped us save lot of fuel. Because this we have used the engine only twice for correcting the posi-

tion of the mangalyan, whereas we had made provision of 5 corrections," Kumar said.

"Because of less number of corrections and other factors we have saved lot of fuel. Thus the mangalyan will be functional for longer time than decided" informed Kiran Kumar.

"We also have challenges that Siding Spring will be passing through from very close distance to our mangalyan. It will also give us an opportunity to study this comet very closely," he said.

"The session was lifetime opportunity as we got to know insides, like challenges in the mission and how we faced those challenges" Said Mechanical engineering student Harsh Gupta from IIT Gandhinagar.



AS KIRAN KUMAR delivers a lecture at IIT-Gn

## IDENTICAL MODELS FOR STUDY

"We have made three identical pieces of each payloads, one to test before sending on the mangalyan. Second one to keep here to find out if something goes wrong on the mangalyan we have the exact same model here to work on" said scientist Sukumar Paul who has worked on development of Mars Colour Camera which is already sending pictures. One of the images is of Mars' moon.

Alok Brumhathi dna

## STUDENTS SPEAK

"The most important learning I take from this session is set your own objectives, define what you want to do and go ahead working towards it," said Mechanical engineering student Harsh Gupta from IIT Gandhinagar.

On importance of being organised, Faisal, a second year student of Civil Engineering from IIT Gandhinagar, said: "It is very important to work systematically and keep the smallest of aspects in mind while working towards a big project."