## IIT-Indore to build satellite

**ATUL GAUTAM** 

The Indian Institute of Pradeep Mathur's report Earth.

The satellite would help in structure and evolution of lite project. the universe.

ing the instruments for the the light in August this scale magnetic fields in insatellite has already be- year. The use of embedded tra-cluster medium. Recent gun," a professor involved systems at 5, 10 and 14 GHz observations of the Bullet with the project said on the is a novel feature... In five cluster and other mergers condition of not to be quot- years, the institute will indicate that the diffuse

astrophysics.

IIT-Indore information.

looking at, characterising building a radio telescope, ergetic events in the uni- and will be used primarily and probing the history, which is part of the satel-

Research (ISRO) in build- a point in the space, which was previously thought.

ing the satellite for study of is 1.5 million km away from the earth," the director's Director report said.

Mergers between clusters Technology India has released on the institute's of galaxies have attracted planned to make a satellite first convocation ceremony attention of the institute so that would be positioned 1.5 attended by Dr Pranab it decided to explore about ers. kilometers away from the Mukherjee confirmed the it and thus came the idea of The IIT Indore's radio telastrophysics satellite.

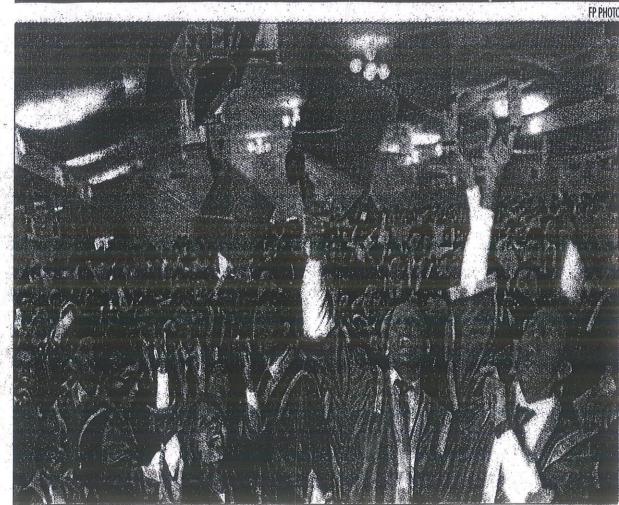
verse, and lead to diffuse for detecting diffuse emisemission at low frequen-"The first radio telescope cies (< 5 GHz) due to the "The work on construct- of the IIT Indore will see presence of micro-causs have an array of 30 dishes emission associated with He stated that the insti- which will be a proof-of- cluster mergers (Radio Hatute would take the help of concept for a full astrolos and Relics) may not Indian Space Organisation physics satellite mission to have as steep a spectrum as

The institute is also interested in mapping the Sunyaev-Zel'dovich effect (SZE) at high angular resolution, to characterize the dynamics of cluster merg-

escope will be a research At present, the institute is The mergers are most en- and teaching instrument, sion from the largest structures in the universe.

The elite technical institute of Indore is the third IIT that would be involved in satellite making work. IIT Kanpur students were the first to built a satellite (nano satellite). After them, IIT Bombay students took an initiative to build a satellite and now IIT Indore has joined the league.

## **PROUD TECHIES**



ALL IS WELL: Delighted IIT students throwing mortarboards expressing their hapiness after the convocation.