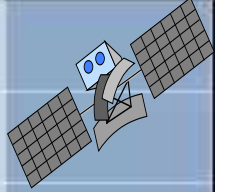




IGNOU



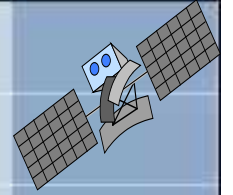
**POTENTIALS OF DISTANCE
EDUCATION
IGNOU PERSPECTIVES**



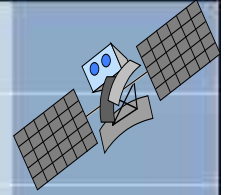
Prof. A.K. Agarwal



IGNOU



- Single Largest University in the World
- Presence in 30 Countries
- Capacity Building for DE Institutions in India & abroad: South-East Asia, Central Asia, Africa Caribbean, China, SAARC countries.
- COL Award for Excellence in Distance Education
- Other countries also using IGNOU's course material 108

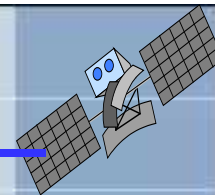


IGNOU – Facts at a Glance

■ Programmes on Offer	108
■ Courses on Offer	950
■ Students on Roll	1.3 m
■ Regional Centres	57
■ Sub Regional Centres	4
■ Study Centres	1271
■ Interactive learning Centres:	
■ Ku-Band	128
■ C-Band	800



IGNOU – Electronic Media – Existing Network

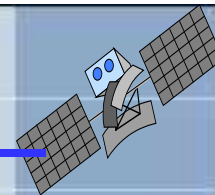


Television:

- Gyan Darshan, a bouquet of 4 satellite TV channels
- Transmission in “C” band through INSAT 3C
- GD-1 also available on DTH platform of Doordarshan DD Direct+

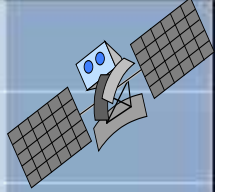


IGNOU – Electronic Media – Existing Network



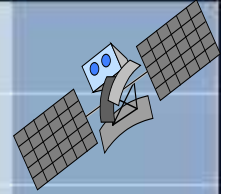
Radio:

- Gyan Vani – FM radio
- A joint venture of IGNOU and Prasar Bharati
- Total 40 FM stations (Phase-1)
 - Operational 17
 - Under Implementation 23
- 16 FM Stations approved under phase-2



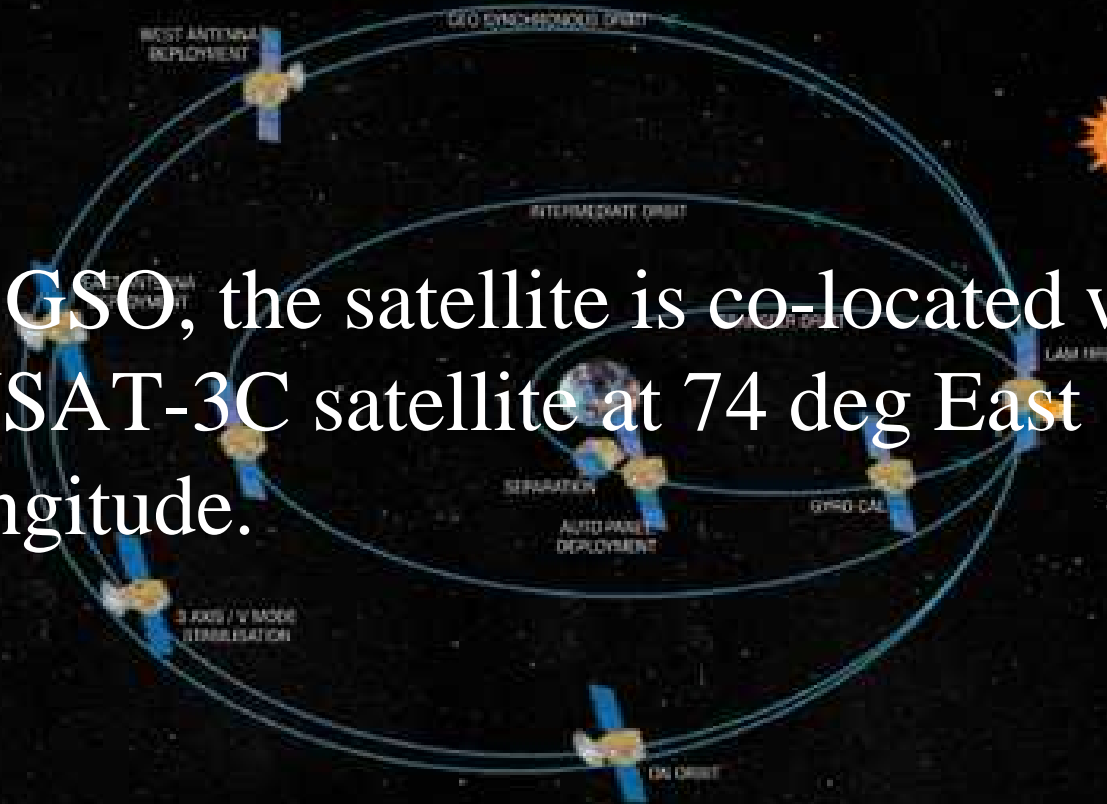
EDUSAT

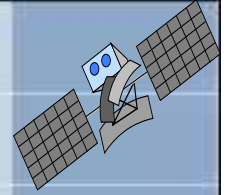
The Educational Satellite



EDUSAT- Satellite Location

- In GSO, the satellite is co-located with INSAT-3C satellite at 74 deg East longitude.

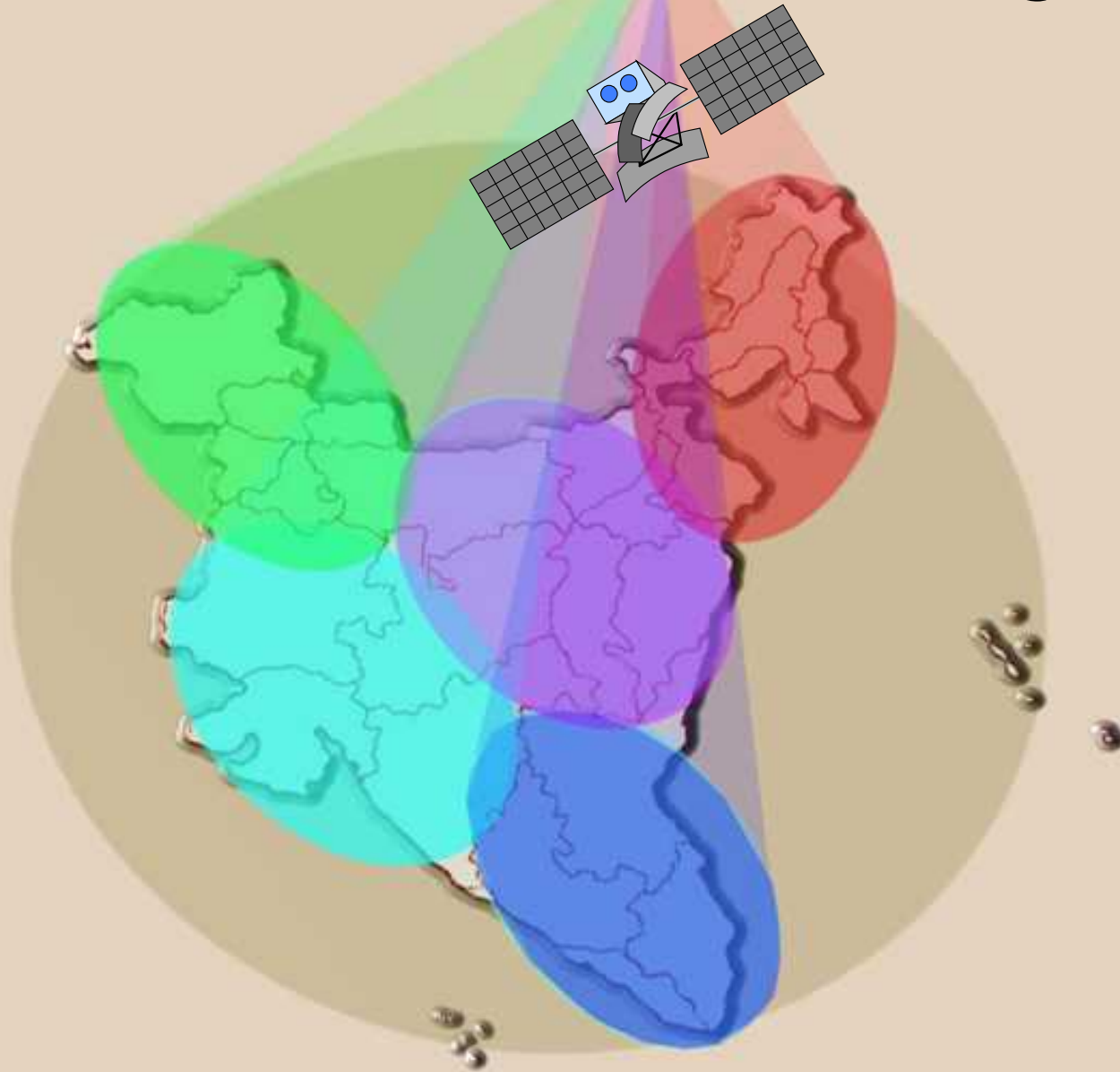




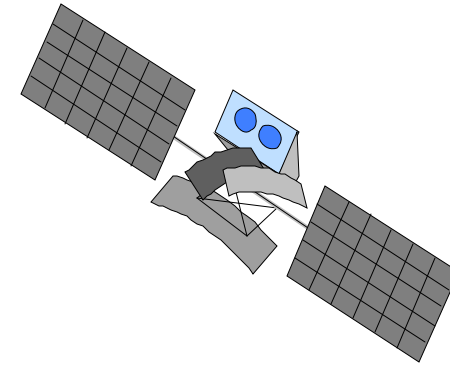
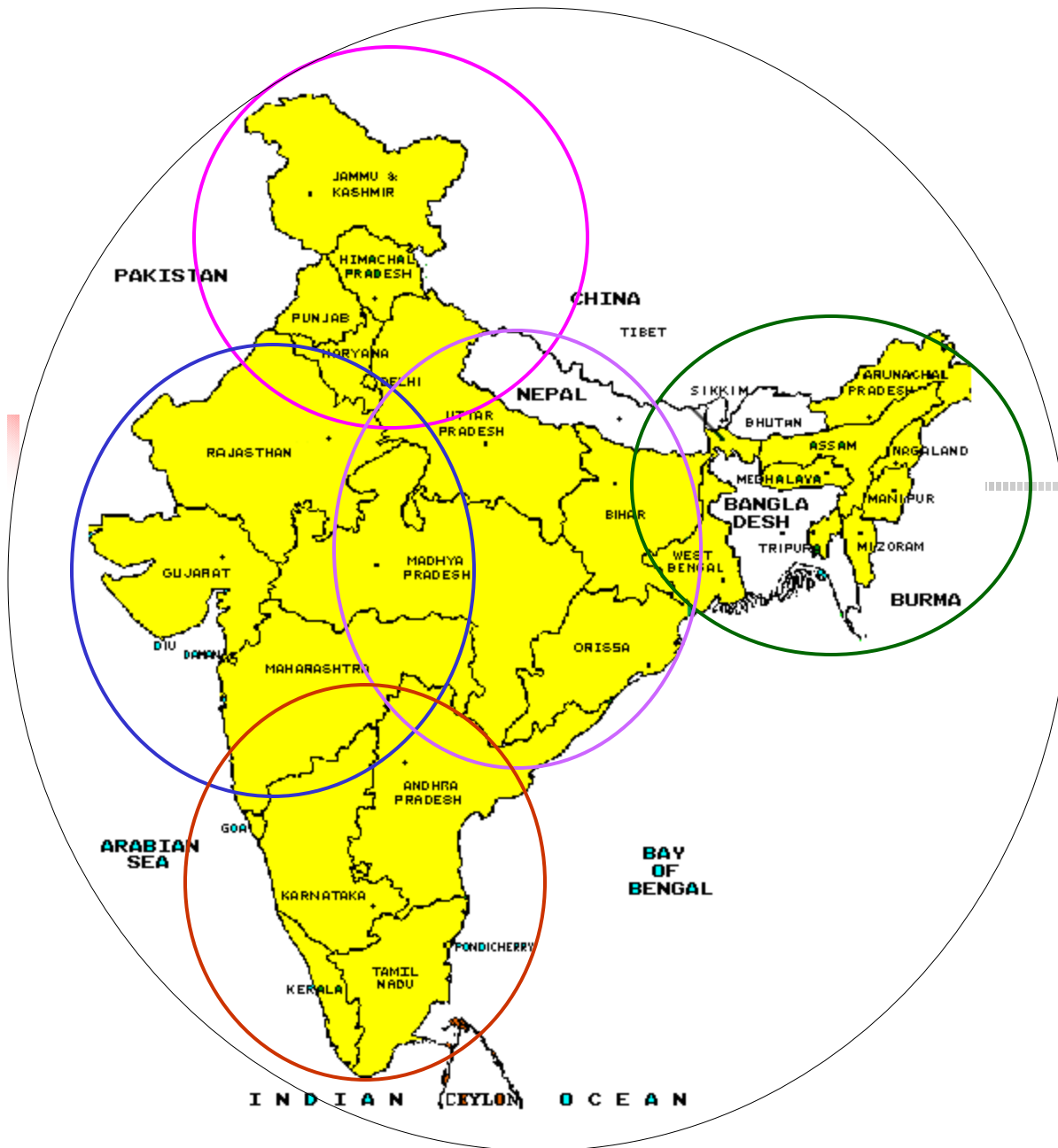
Transponder Details

- **Five Ku-band transponders** for spot beam coverage
- **One Ku-band transponder** for national coverage
- **Six extended C-band transponders** for national coverage

EDUSAT Coverage



EDUSAT (GSAT-3)

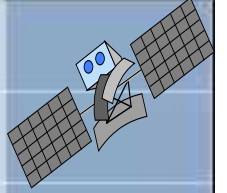


System Features

- 2000 Kg class satellite
- GSLV launch
- 5 regional beams
- One All-India beam
- Ext-C band 37dbW
- Ku band 54 dbW

TECHNOLOGICAL POSSIBILITIES

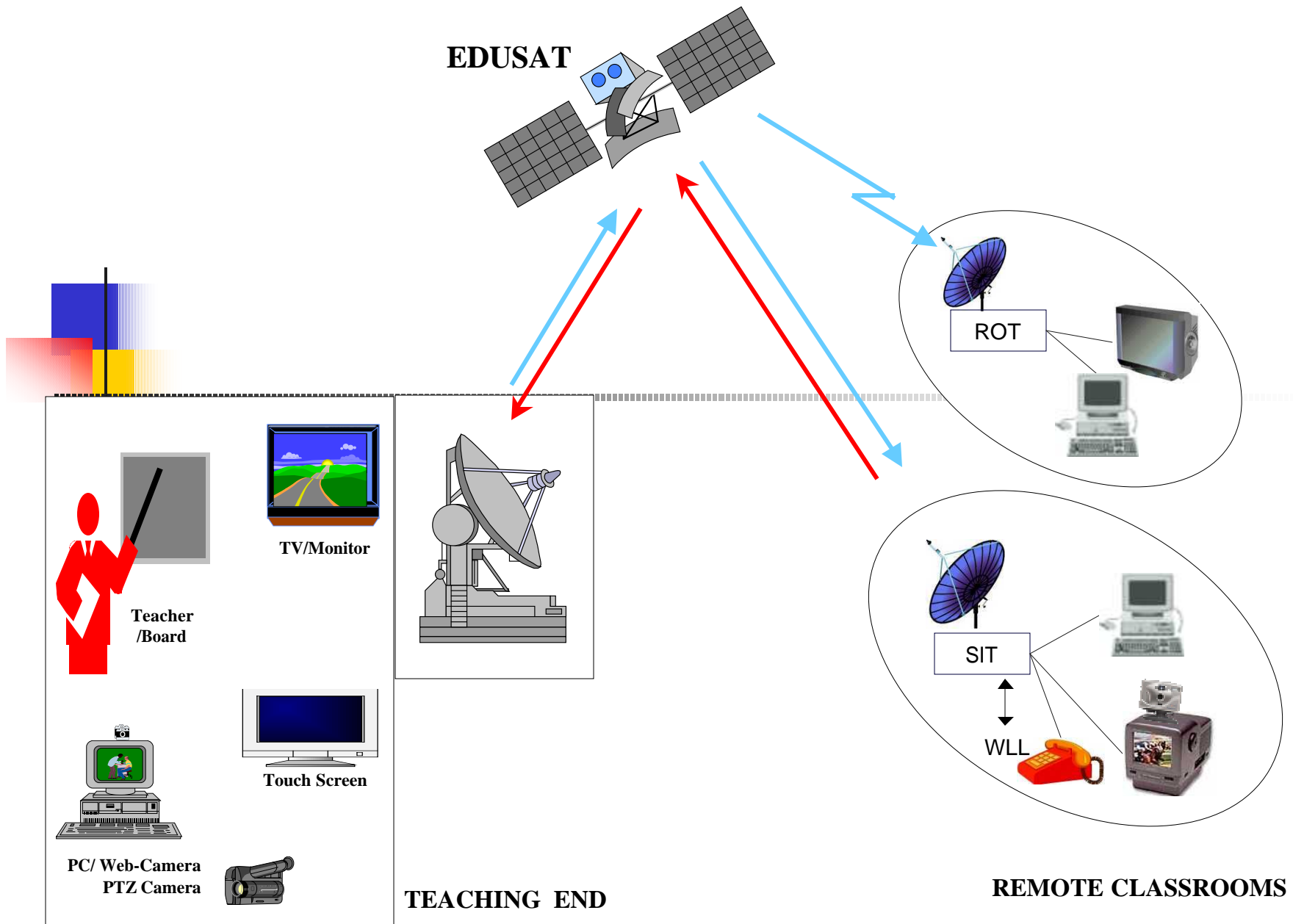




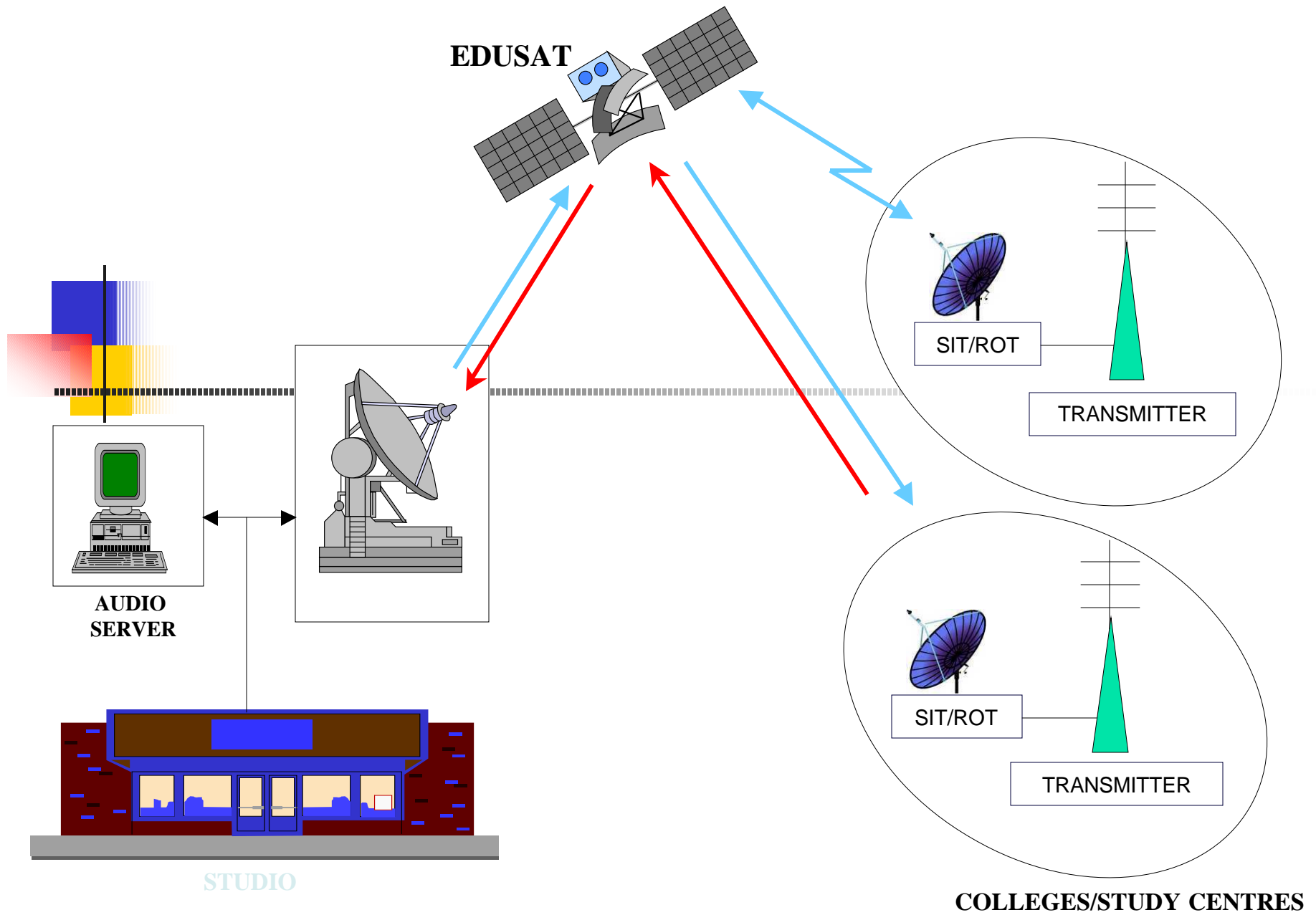
Functional Capabilities

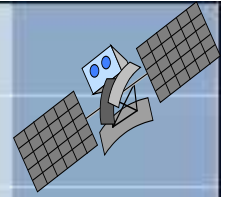
- VIRTUAL CLASSROOM
- VIDEO ON DEMAND (VOD)
- DATABASE ACCESS
- DATA TRANSFER
- RADIO NETWORKING

VIRTUAL CLASSROOM CONFIGURATION



RADIO NETWORKING CONFIGURATION

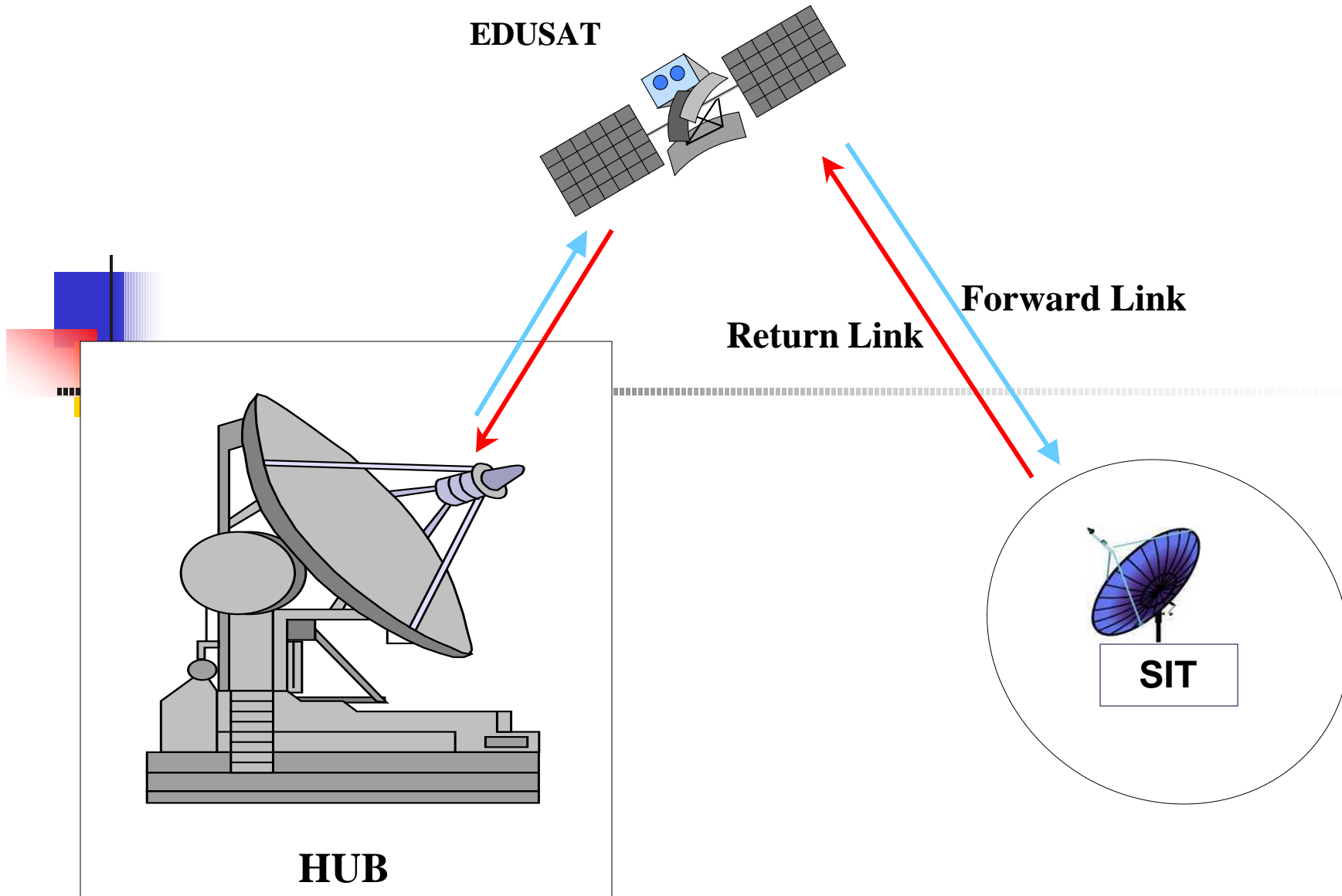




Technology of EDUSAT

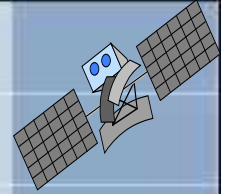
- EDUSAT employs DVB- RCS.
- DVB means Digital Video Broadcasting
- RCS means Return Channel Via Satellite
- DVB-RCS provides two way communication.

DVB-RCS Technology

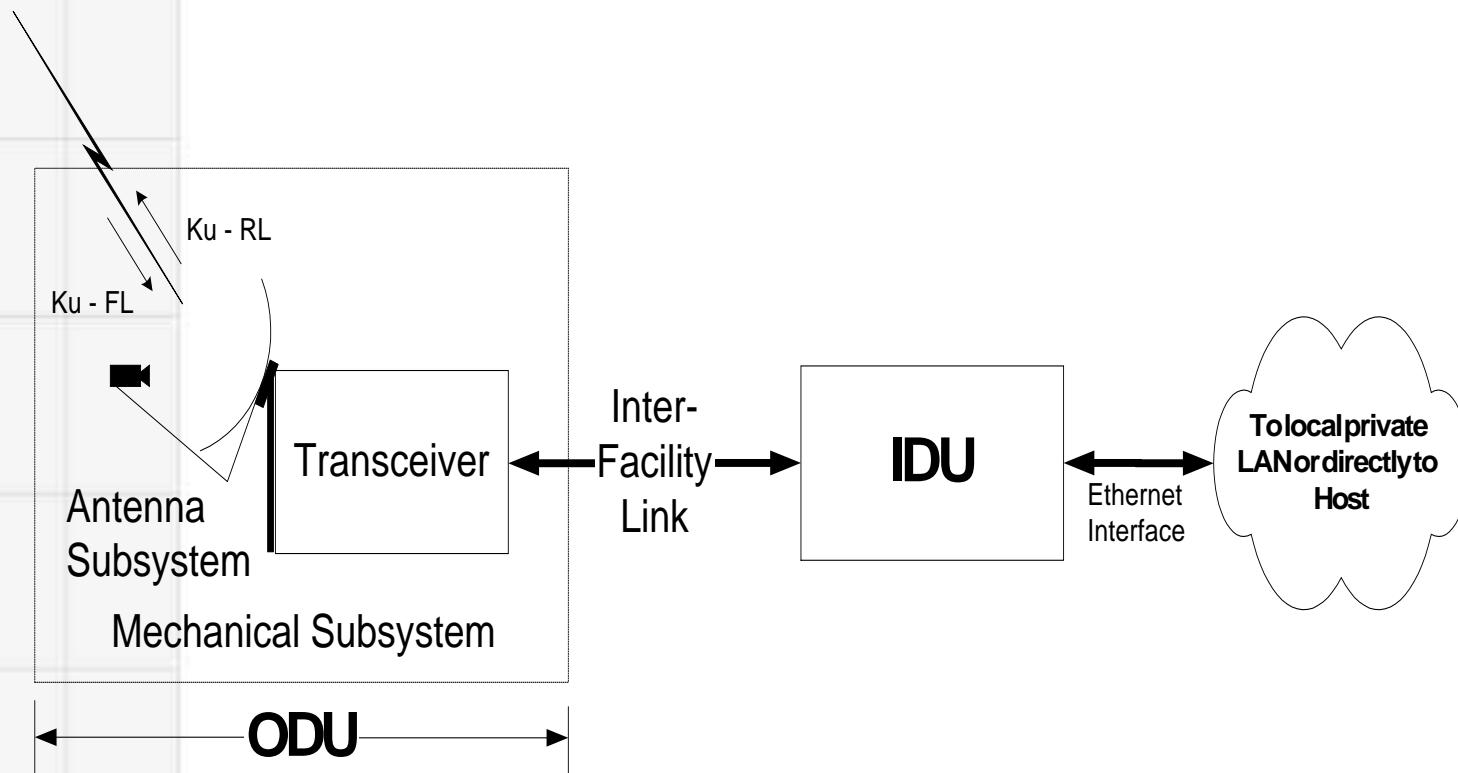


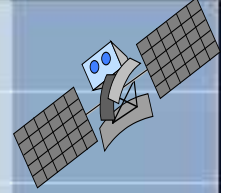


SIT Overview



- The satellite interactive terminal (SIT) is composed of the outdoor unit (ODU), which includes the antenna and RF transceiver, and the indoor unit (IDU).



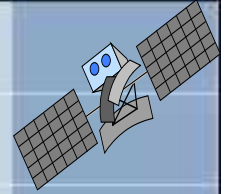


EDUSAT Network of IGNOU

■ Rashtrapati Bhawan	02
■ North-East Region	21
■ J & K region	04
■ Other states	85
■ State Open Universities	10
■ Regional Committee of NCTE	05
■ Lal Bahadur Academy of Administration	01
■ Total	128

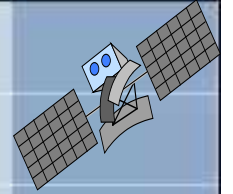


Project Status



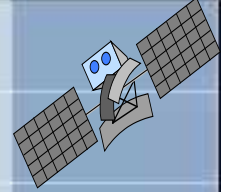
- | | |
|-------------------|-----|
| ■ Total Locations | 128 |
| ■ Installed | 105 |
| ■ Operational | 93 |

Daily test transmission is going on



Teleconference in action

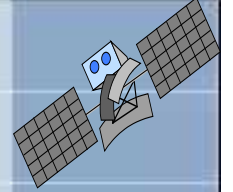




Programmes of School of Health Sciences

- **Post Graduate Diploma in Community Cardiology**
- **Post Graduate Diploma in Maternal and Child Health**
- **Post Graduate Diploma in Hospital and Health Management**
- **Post Graduate Diploma in Geriatric Medicine**
- **Post Graduate Certificate in Rural Surgery**
- **Certificate Programme in Health Care Waste Management**



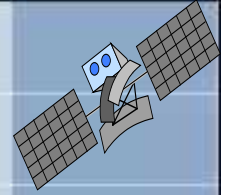


- Democratization of knowledge indicates knowledge for anyone, any time, any place. EDUSAT will be extremely helpful in making this shift possible and decreasing the digital divide."

**Dr. APJ Abdul Kalam,
President of India & Visitor, IGNOU.**



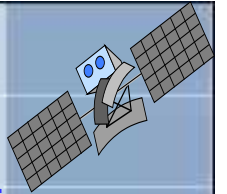
Initiatives by Rashtrapati Bhawan



- Hon'ble President of India is taking keen interest in EDUSAT and extending all support to it
- Teaching End developed at Rashtrapati Bhawan for lecture delivery by Hon'ble President of India.
- Providing support in development of Learning Management System (LMS).
- Developing similar networks in African countries.



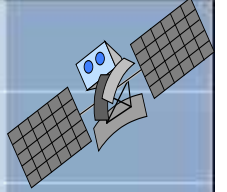
Future Plans-Pan African Network



- To develop Pan African network in 53 countries for tele-education and communication network.
- Addis Ababa to be the main HUB of the network.
- Intel Sat satellite based network.
- Hardware being setup by TCIL
- Progress of the project being monitored by Hon'ble President of India himself.
- IGNOU – the main content provider



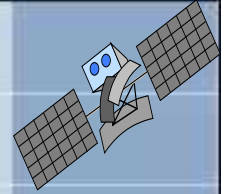
EDUSAT - DTH Benefits to Users



- Students access classroom at home
- Widened EDUSAT reach
- Cost benefit to the User
- Enhanced technical quality



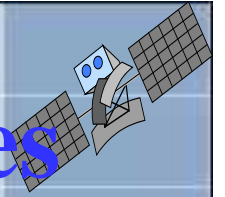
EDUSAT - DTH Benefits to IGNOU



The objective of
“reaching the unreached”
would be achieved as EDUSAT
network shall be accessible
simultaneously to more than three
million homes.



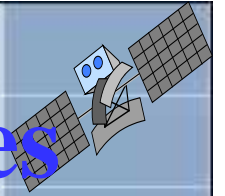
TELE-EDUCATION: Programmes with National Organisations



- IGNOU-MOA-ICAR-AGRI. Univ.
- IGNOU-MEA Online Programme for Indian Diplomats
- IGNOU-MOHOME, RAF, DOP, ETC
- IGNOU-MOH&FW HIV-AIDS, RCH, Rural Med.
- IGNOU-National Board of Examination (NBE)
- IGNOU-ISRO-MHRD Network for Least Developed Areas for Tele-Education and Tele-medicine



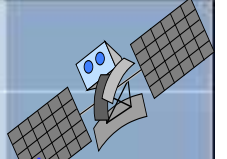
DE REVOLUTION: Programmes with International Organisations



- IGNOU-CWEALTH SEC.: Educational MGT.
- IGNOU-CWEALTH of Learning: Several Pgs.
- IGNOU-NHRC of India and Canada SIM
- IGNOU-UNESCO SIM Software for SEA
- IGNOU-WHO; Courses on Hospital Waste Management for 10 Countries
- IGNOU-WIPO (Geneva): Courses on IPR
- IGNOU-World Bank: Women Empowerment



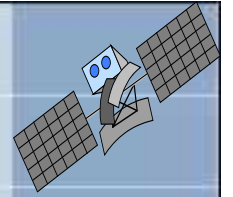
DE REVOLUTION:IGNOU AS A MEGA UNIVERSITY IN SAARC REGION



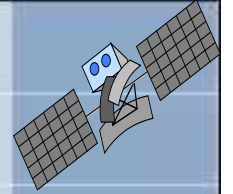
- January 2005: First Meeting of the Board of Governors Held at IGNOU
- November 2005: Boards minutes approved by SAARC Afghanistan become additional member
- January 2006: Second Meeting of the board of OU of Sri Lanka



DE REVOLUTION: IGNOU AS A MEGA UNIVERSITY



- **TASKS: Second World Summit of GMUNET**
- **Quality Assurance in DE-UKOU**
- **Research & Development- University of Maryland**
- **Education for Community Development-UNISA**
- **Secretariat & Chair of GMUNET at IGNOU (2005-08), Co-chair-UKOU**



Conclusion

EDUSAT has a vast potential for interactive distance education and telemedicine.

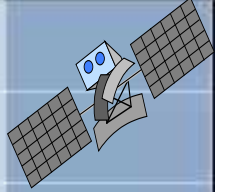
A win – win situation for

Students,

Partner Institutions and

IGNOU

by providing EDUSAT on DTH platform.



Thank You