

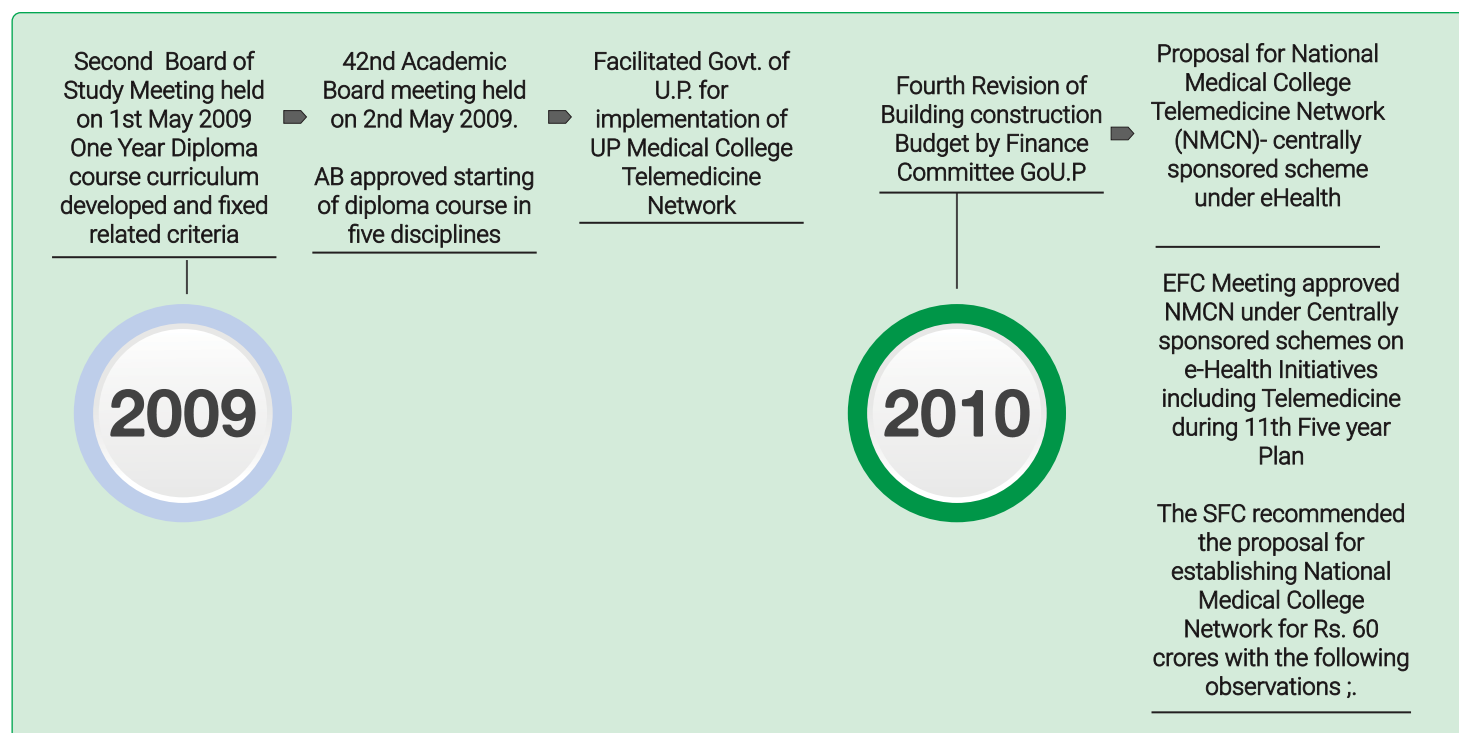
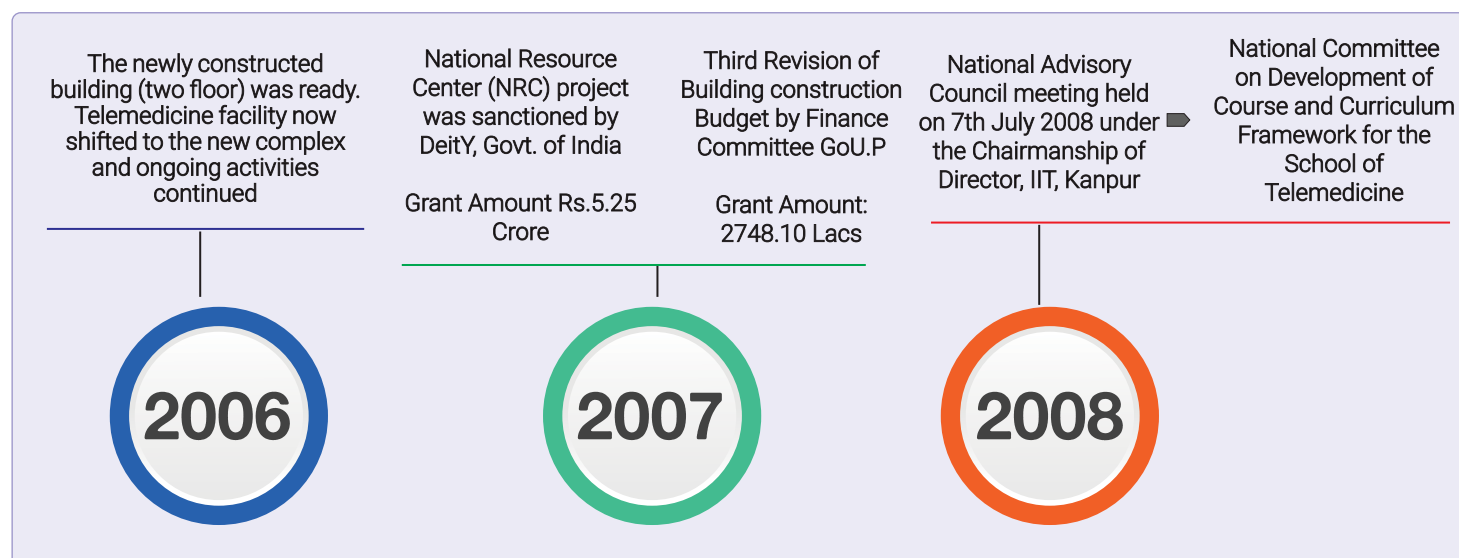
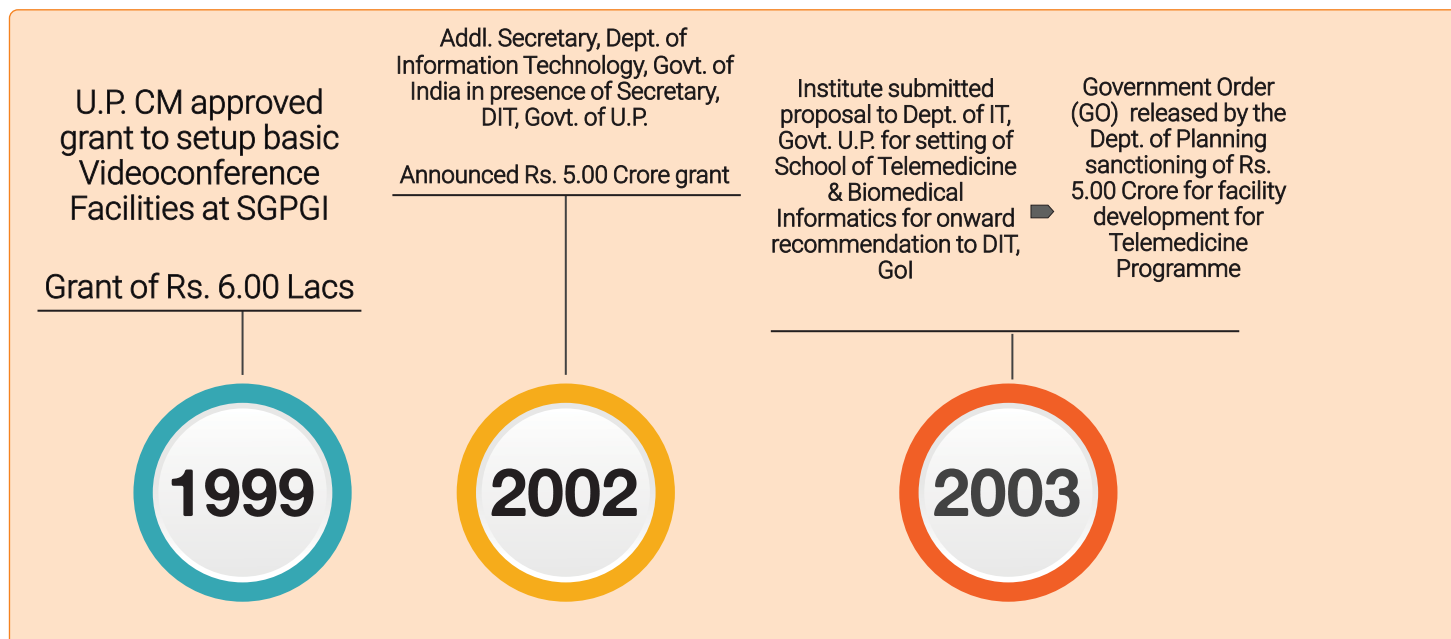
School of Telemedicine & Biomedical Informatics  
Sanjay Gandhi Post Graduate Institute of Medical Sciences  
[www.stbmi.ac.in](http://www.stbmi.ac.in)

*Journey of Last Two Decades*





# Milestones of STBMI Journey



# Milestones of STBMI Journey

Ministry of Health & FW recognized National Network Hub and National Resource Center for National Medical College Network by Ministry of Health & Family Welfare, Govt. of India

Grant Rs. 1.00 Crore released to SGPGI

2011

UP CPMT Counseling conducted through Telemedicine Network Dept. of Medical Education, Govt. of U.P.

Ministry of Health & FW recognized National Network Hub and National Resource Center Grant of Rs. 1.32 Crore released to SGPGI

2014

Ministry of Health & FW recognized National Network Hub and National Resource Center Grant of Rs. 3.60 Crore released to SGPGI

2015

Additional Secretary, Ministry of Health & Family Welfare, Govt. of India visited the STBMBI and inaugurated the Camp Office of MOHFW, Govt. of India located in the building of STBMBI

2016

Curriculum based activities could not continue due to local issue

Ministry of Health & FW recognized National Network Hub and National Resource Center

Grant of Rs. 1.00 Crore released to SGPGI

2017

Establishment of Regional Resource Center at IMS, BHU, Varanasi

Establishment of Telemedicine Center at Kashivishwanath Node, SSPG Hospital Varanasi & CHC, Vindhyachal

2018

Ministry of Health & FW recognized National Network Hub and National Resource Center

Establishment of telemedicine Center at District Hospital, Bahraich

2019

Establishment of Telemedicine Center at NTPC Hospital of Rinhand, Sonebhadra and Meja, Allahabad

Creation of Telemedicine Hub under Ayushman Bharat-Health & Wellness Center by State NHM, Govt. of U.P.

2020

Second Year Grant for the Project

"Establishment of Telemedicine Center at NTPC Hospital of Rinhand, Sonebhadra and Meja, Allahabad"

Operation of Smart Health ATM Center in the city of Lucknow under Smart City Lucknow, Govt. of U.P.

2021

Second Year grant for operation of Telemedicine Hub under Ayushman Bharat-Health & Wellness Center by State NHM, Govt. of U.P.



# Projects Completed

## Endocrine Telesurvey Workshop

**Year Started :** 25th October 1999  
**Year Completed :** 29th October 1999 (05 Days)

**Funding / Collaborating Agency**  
ITI & Lucknow Telecom Dept.

**Project outlay**  
Sponsor

**Implemented / Executed**  
Proof of concept on transferring live surgery to remote Institutions.

**Outcome of Project**  
live surgery transmitted successfully with the high quality of transmission of data, image and voice

## Pilot Project for Tele-education using video conferencing

**Year Started :** January 2000  
**Year Completed :** December 2000

**Funding / Collaborating Agency**  
Uttar Pradesh Chief M Grant

**Project outlay**  
Rs.06 Lakhs

**Implemented / Executed**  
Tele- Education Endocrine Imaging & Endocrine Pathology with PGIMER Chandigarh

**Outcome of Project**  
Successful

## Application of telemedicine technology to provide tele- health care during Mela / Festival & Disaster

**Year Started :** January 2001  
**Year Completed :** February 2001

**Funding / Collaborating Agency**  
Ministry of Electronics and Information Technology (MeitY)

**Project outlay**  
Rs. 80 Lakhs

**Implemented / Executed**  
Proof of concept on exchange of medical records using integrated telemedicine network build over ISDN

**Outcome of Project**  
Successful transfer of Image in real time & store and forward

## SATCOM Orissa Telemedicine Network Project

**Year Started :** March 2003  
**Year Completed :** October 2018

**Funding / Collaborating Agency**  
Indian Space Research Organization (ISRO)

**Project outlay**  
Rs.20 Lakhs Approx. Bandwidth cost supported by ISRO

Tele-education & Consultation for the three medical colleges of Odisha state using satellite communication

Infrastructure created for Tele-education & Tele-

## Prevalence of Iodine Deficiency and Goiter in Post Iodization Phase in Gonda District

**Year Started :** May 2016  
**Year Completed :** 2018

**Funding / Collaborating Agency**  
National Thermal Power Corporation (NTPC) Under CSR Project

**Project outlay**  
Rs. 3.00 Lakh

**Implemented / Executed**  
Field Project using mobile telemedicine bus with lab test of primary school children.

**Outcome of Project**  
Research study on Iodine deficiency

## Uttar Pradesh Medical College Telemedicine Network

**Year Started :** 2010  
**Year Completed :** 2011

**Funding / Collaborating Agency**  
Dept. of Medical Education Govt. of U.P.

**Project outlay**  
Sponsored by Govt. of U.P

**Implemented / Executed**  
Establishment of Telemedicine network in three medical colleges (Allahabad, Meerut & Kanpur)Uttar Pradesh for practicing telemedicine application & eHealth activity

Design a Videoconferencing Suit and Tele-Health Studio at Medical Colleges and Digital Library (Total

# Projects Completed

## SGPGIMS- District Hospital Raibareli Telemedicine Network

**Year Started :** 2006      **Project outlay**  
**Year Completed :** 2019      Rs.40 Lakhs

### Funding / Collaborating Agency

Gas Authority of India Limited (GAIL) Under CSR programme of GAIL India followed by SGPGI

### Implemented / Executed

Tele-education & Tele-health care for the peripheral doctors

### Outcome of Project

Infrastructure created for Tele-consultation & Tele-CME (Total Sessions is 452)

## UP Tele-radiotherapy Network

**Year Started :** 2007  
**Year Completed :** 2010

### Funding / Collaborating Agency

Dept. of Science and Technology

### Project outlay

Executed by Radiotherapy Dept., SGPGI

### Implemented / Executed

Pilot Project -Tele-education & tele-consultation in the field of Radiotherapy to the 5 Medical Colleges of Uttar Pradesh

### Outcome of Project

Infrastructure created for Tele-education & Tele-consultation in (Total Sessions is 589 till 2019)

## SAARC Telemedicine Project

**Year Started :** 2008  
**Year Completed :** 2018

### Funding / Collaborating Agency

Govt. of India, Ministry of External Affairs

### Project outlay

Rs.28.00 Lakh

### Implemented / Executed

Bhutan, Nepal & Afghanistan countries connected through Telemedicine network for tele-health and tele-educational exchange.

### Outcome of Project

Total Sessions is 307

## Dev. & Maintenance of e-seminar Web Portal on "National Knowledge base on Telemedicine & e-Health"

**Year Started :** April 2007  
**Year Completed :** April 2009

### Funding / Collaborating Agency

Sony, Japan

### Project outlay

Rs.10 Lakh

### Implemented / Executed

Creation of single window web portal to act as a knowledge base on telemedicine and e-health in India

### Outcome of Project

Web Portal <http://telemedindia.org> is created

## Establishment of Telemedicine Center at NTPC Hospitals located at Rihand & Meja

**Year Started :** June,2019  
**Year Completed :** Ongoing

### Funding / Collaborating Agency

National Thermal Power Corporation (NTPC) under CSR

### Project outlay

Rs. 49.90 Lakhs

### Implemented / Executed

Establishment of Telemedicine Health care center focusing on main aspects like telemedicine consultation & follow-ups, tele-education etc using Telemedicine kiosk

### Outcome of Project

1st Exp. Of deploying Telemedicine kiosk using Broad Band Total 283 patients benefitted

## Tele-ophthalmology Project

**Year Started :** October 2008  
**Year Completed :** August 2011

### Funding / Collaborating Agency

MOH &FW, Govt. of India

### Project outlay

Rs. 28 Lakh

### Implemented / Executed

Screening and treatment planning for Cataract, Diabetic retinopathy, Glaucoma, refraction error including other eye diseases and post-operative care, tele-follow-up, Tele-consultation through Tele-ophthalmology center at CHC, Bhacharawan, Uttar Pradesh

### Outcome of Project

Total 2719 patients benefitted.



# Projects Completed

Pan Africa Telemedicine Network	
<b>Year Started :</b>	2011
<b>Year Completed :</b>	2017
<b>Funding / Collaborating Agency</b>	Govt. of India, Ministry of External Affairs
<b>Project outlay</b>	Sponsored by Ministry of External Affairs Govt. of India
<b>Implemented / Executed</b>	SGPGIMS is one of the Twelve super-specialty hospitals in India connected through Telemedicine of 47 African Union countries
<b>Outcome of Project</b>	To help African countries in Capacity Building by way of imparting quality in Tele education Total Session is 532

# Projects On-Going

National Medical College Network (NMCN)	
<b>Year Started :</b>	December 2011
<b>Year Completed :</b>	Ongoing
<b>Funding / Collaborating Agency</b>	Ministry of Health & Family Welfare, Govt. of India
<b>Project outlay</b>	Rs. 1208.00 Lakh (Total Grand Received from 2011 to 2020)
<b>Implemented / Executed</b>	Grant-in-Aid to undertake awareness activities and maintaining the existing infrastructure and activities of National Resource Center (NRC), SGPGIMS, Lucknow
<b>Outcome of Project</b>	<ol style="list-style-type: none"> <li>1. eLearning Center, SGPGI</li> <li>2. Establishment of Regional Resource Center for Telemedicine (RRC-East) at IMS, BHU</li> <li>3. Establishment of Telemedicine at Kashi Vishwanath Node</li> <li>4. Establishment of Telemedicine at CHC, Vindhyachal, Mirzapur</li> </ol> Total Content Created=956, Total Sessions=2994

Mobile Oncology Telemedicine Bus	
<b>Year Started :</b>	February 2013
<b>Year Completed :</b>	Ongoing
<b>Funding / Collaborating Agency</b>	Dr. K L Garg Memorial Charitable Trust, Lucknow
<b>Project outlay</b>	82 Lakh (CAPEX), 12 Lakh (OPEX) each year Total= 8 Yrs =96.00 Lakhs
<b>Implemented / Executed</b>	Telemedicine over wheel for Rural community outreach programme
<b>Outcome of Project</b>	Total 19363 patients benefitted.

Establishment of Telemedicine Hub at SGPGI under Ayushman Bharat-Health & Wellness Center (AB-HWC)	
<b>Year Started :</b>	May 2020
<b>Year Completed :</b>	Ongoing
<b>Funding / Collaborating Agency</b>	National Health Mission (NHM), Govt. of Uttar Pradesh
<b>Project outlay</b>	Rs. 51.00 Lakhs
<b>Implemented / Executed</b>	Creating Telemedicine HUB consisting a specialist team of doctor's providing consultation to all sub center and PHC through CDAC esanjeevani software.
<b>Outcome of Project</b>	Total 10,8848 patients benefitted till date

Establishment of Telemedicine Hub under Smart City Lucknow Limited, Govt. of U.P	
<b>Year Started :</b>	February 2021
<b>Year Completed :</b>	Yet to start
<b>Funding / Collaborating Agency</b>	Lucknow Smart City Limited (LSCL), Govt. of Uttar Pradesh
<b>Project outlay</b>	Sponsored by Smart City, Lucknow
<b>Implemented / Executed</b>	Smart Health ATM center is to be opened across the city of Lucknow under Smart City and STBMI, SGPGI, Lucknow have been identified as HUB for supporting this initiative in terms of technical consultancy and facilitating doctors consultation (General & Specialist)

**Hon'ble Health Minister Shri Mansukh Mandaviya ji &  
State Health Minister Shri Brijesh Pathak Ji  
with Padamshri Radha Krishan Dhiman,  
Director SGPGIMS, Lucknow at STBMI**





# STBMI 4 story Building



# Reception





# Telemedicine Hi Tech Lecture Theater



# Surgical Telepresence Suite





## Dry Lab Discussion Room



## Project Management Unit





## Video Conferencing Suite - I



## Video Conferencing Suite - II





## Video Conferencing Suite - III



## Video Conferencing Suite - IV

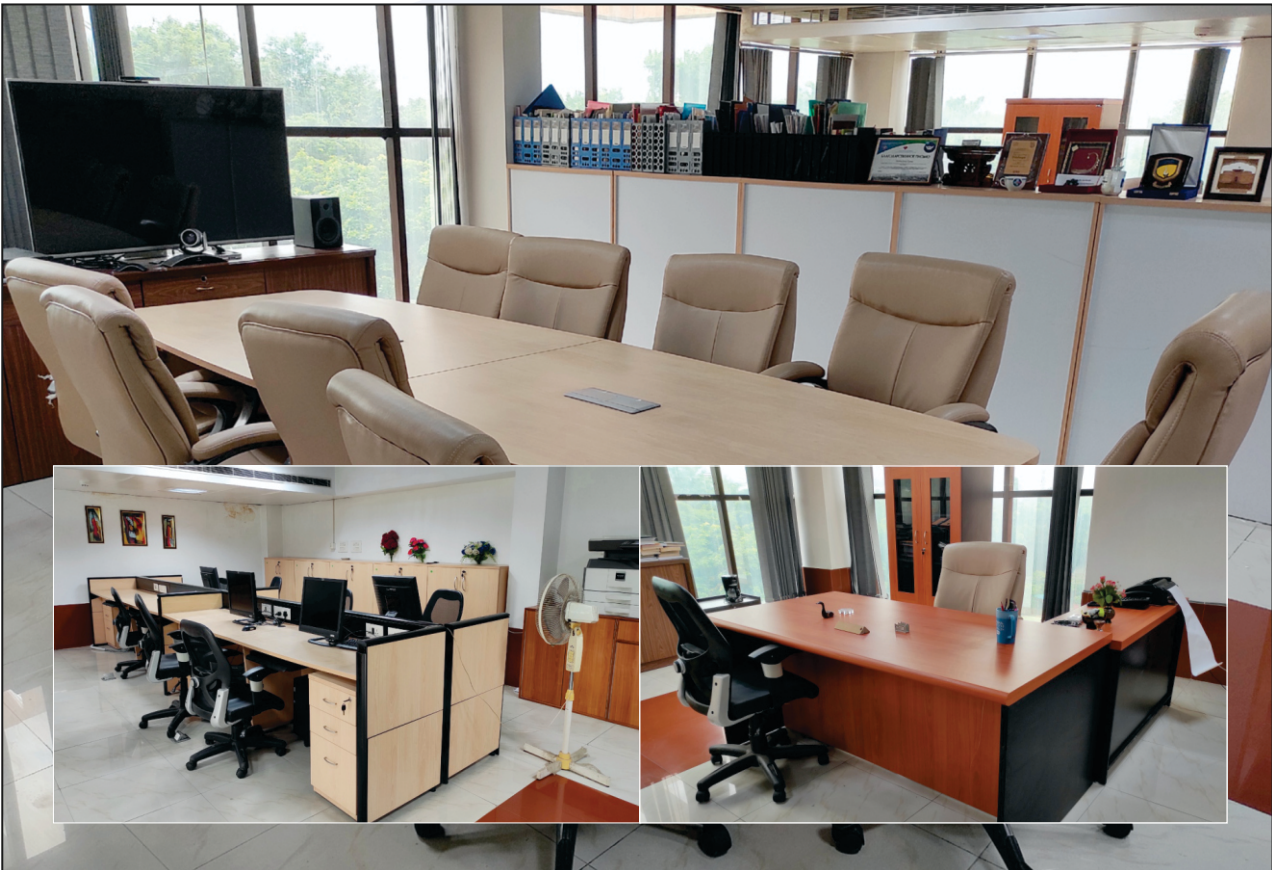




# Clinical Decision Support System



# International Collaboration





# National Medical College Network



## National Medical College Network, Board Room





# Data Center



# Data Center





# Content Development Lab



# Studio for Education Content Development





# Library



# Ongoing Telemedicine Session





## Ongoing Tele-Education Session with Other Medical Institutions



## Ongoing Tele-Education Session with Other Medical Institutions





**Demonstration of Health Kiosk in Mobile Telemedicine System in during camp at IIT Kanpur1**



**Demonstration of Health Kiosk in Mobile Telemedicine System in during camp at IIT Kanpur**





**Patient inside mobile Telemedicine Bus during one of the Rural Outreach Programme**



**STBMI Team during Mobile Telemedicine Bus conducted under NMCN Scheme**





**Director SGPGI Connected with  
COVID Advisory Committee of UP**



**Gastrosurgery Session with AIMS Cochin  
& other medical colleges**





## Tele Evidence



## Telefollowup of Nuclear Medicine





## **School of Telemedicine and Biomedical Informatics**

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