

Telemedicine Infrastructure

- Hardware based Video Conferencing System (Tandberg MXP-990)
- Telecast System
- Satellite System
- Mobile Telemedicine Console
- Digital Microscope
- Digital X-ray Scanner

Telemedicine Infrastructure

- Software based Video Conferencing System
 - Polycom Real Presence Desktop
 - Vidyo Desktop
- Telecast System
 - ustream (www.ustream.tv)
- Satellite System
 - Emblaze Vcon HD Desktop
- Mobile Telemedicine Console
 - Polycom Real Presence Desktop (RPD)

Financial Support

- Ministry of Space (ISRO), Govt of India
- Ministry of Information Technology (MIT), Govt of India
- Ministry of Health & Family Welfare (MOHFW), Govt of India

Network Support

- ISRO – Satellite Connectivity
- NKN – Fiber Optic Connectivity (1 GB Bandwidth)
- BSNL - Fiber Optic Connectivity (60 Mbps Bandwidth)

Telemedicine Staffs

- Dr Ravi Kumar Chittoria- Officer In-Charge Telemedicine
- Mr Satheesh Kumar - Network Support Engineer
- Mr Mohamed Ishaq - Telemedicine Support Engineer
- Mr Senguttuvan - Technical Assistant
- Mr Vadivelu - System Engineer
- Mr Sasikumar - System Engineer
- Mr Thiagu - System Engineer

Telemedicine Projects @ JIPMER

ISRO PROJECT (DOS) – 2004	ONCONET PROJECT (MOHFW) - 2011
NATIONAL MEDICAL NETWORK (NMCN) PROJECT (MOHFW) - 2013	
TELE-OPHTHALMOLOGY PROJECT (MOHFW) - 2008	MEDICAL VIRTUAL CLASS ROOM (VCR) PROJECT (MOHFW) -2011


ISRO Telemedicine Project - 2004



- GH Pondicherry
- GH Karaikal
- GH Mahe
- GH Yanam
- SGPGI Lucknow
- AIIMS Cochin
- AIIMS New Delhi
- SCB Medical Cuttack
- GH Behrampur
- Sri Chitra Trivandrum

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Tele-Ophthalmology Project - 2008



Village name	Total screened	Total diabetic patients screened	Total diabetic patients referred	Total diabetic patients referred	Total diabetic patients referred	Total diabetic patients referred	Total diabetic patients referred
Arakkalpet	200	12	100				
Arakkalpet	150	10	50	5	5	15	15
Arakkalpet	200	15	80	6	10	20	20
Arakkalpet	115	80	12	50	4	3	23
Arakkalpet	150	200	22	180	12	20	45
Arakkalpet	180	80	5	100	6	10	40
Arakkalpet	150	60	3	50	6	15	35
Arakkalpet	181	100	5	100	6	10	40
Arakkalpet	150	60	5	75	6	10	30
Arakkalpet	420	300	50	250	25	25	50
Arakkalpet	150	60	5	75	6	10	30
Arakkalpet	300	300	50	180	20	20	40
Arakkalpet	250	150	18	140	20	20	40
Arakkalpet	200	100	10	80	2	20	20
Arakkalpet	200	150	30	100	10	20	30
Arakkalpet	750	-	-	-	-	-	-
Arakkalpet	150	75	10	100	5	10	3
Arakkalpet	100	25	3	80	2	10	3
Arakkalpet	120	80	6	55	2	8	12
Arakkalpet	100	50	3	70	2	7	8
Arakkalpet	520	300	50	400	20	40	60
Arakkalpet	520	300	45	400	20	37	44
Arakkalpet	470	250	35	300	20	30	42
Arakkalpet	281	160	25	180	27	33	57
Arakkalpet	77	48	8	50	2	2	10
Arakkalpet	280	160	40	200	25	20	45
Arakkalpet	150	60	8	80	6	12	37
Arakkalpet	150	-	-	-	-	-	-
Arakkalpet	200	-	-	-	-	-	-
Arakkalpet	210	-	-	-	-	-	-
Arakkalpet	65	-	-	-	-	-	-
Arakkalpet	200	150	35	100	22	20	48
Arakkalpet	160	80	12	50	5	12	12
Arakkalpet	84	33	2	50	4	3	...
Arakkalpet	210	120	7	70	7	6	22
Arakkalpet	240	120	10	200	20	20	30
Arakkalpet	222	-	-	-	-	-	-

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NKN Project - 2011 (1 GB Bandwidth Connectivity)



NKN Router

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Medical Virtual Class Room (VCR) Project - 2011



- Funded by MOH&FW
- Network supported by NKN
- Using Vidyo Desktop
- Tele-Education Program

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Onconet Project - 2011



- Funded by MOH&FW
- Network support BSNL
- Tele-Consultation

Remote Centers:

- GH Yanam
- GH Arakonam
- GH Kanchipuram
- GH Mandya
- Kidwai Inst of Onco
- AIIMS Cochin

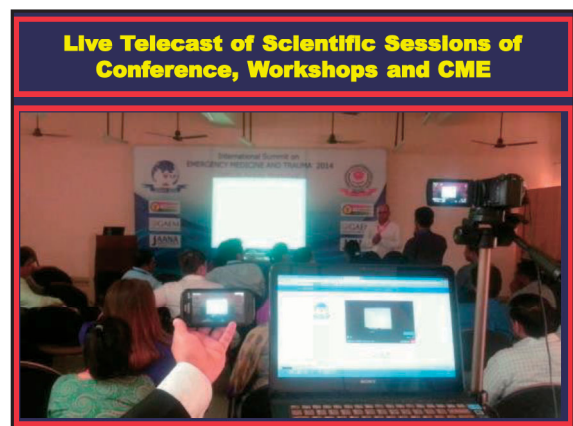
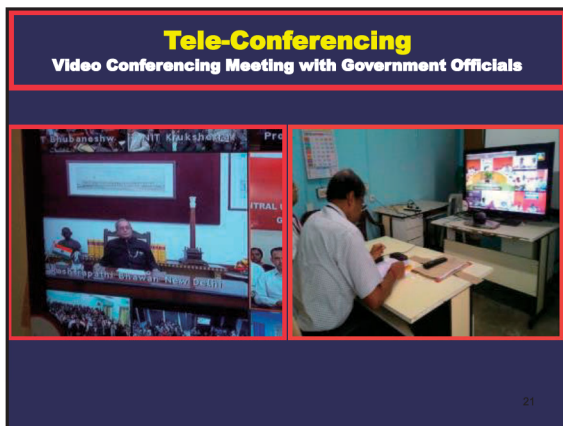
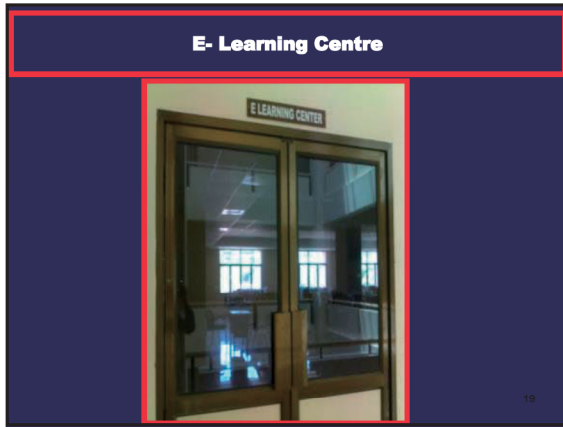
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Onconet Project - 2011



ONCONET CENTRE
GOVERNMENT HOSPITAL,
UNIVERSITY OF PONDICHERRY

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Future Plan

- Automated Telemedicine Kiosk
- JIPMER Community Radio
- Tele-Robotic Surgery
- Multi Conferencing Unit (MCU)

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Conclusion

Telemedicine in JIPMER is an important Bridge
Connecting JIPMER to Patients, Students, Doctors
and Institutions of India & the World

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Thank You

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