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All India Institute of Medical Sciences

Achievements 2013-2014

OCT 2013 TO OCT 2014

DR M C MISRA, Director

It has been exactly one year since I assumed office and although many steps have been taken, a lot needs to be done to keep pace with the expectations of the patients, staff and students. If any thing, this pace needs to be picked up to ensure that AIIMS continues to be the gold standard in quality and affordable health care across the world and improves on its leadership status in research output and training.

Taking care of more than 3 million patients yearly, besides continuing to have the largest number of research publications in health care in India, is no mean feat. The

'AIIMS' brand is only recognised today because of the extreme dedication and hard work put in by our teachers and we need to build on this work to further enhance the standing of our great institution on the world stage.

Performance audit is an extremely important tool for evaluation of an organisation and I am happy that we are documenting our achievements over the last year so that each one of us can reflect on them and provide



constructive input for continuing improvement of this campus.

I quote from Robert Frost's famous poem: "The woods are lovely, dark, and deep, but I have promises to keep, and miles to go before I sleep ..."

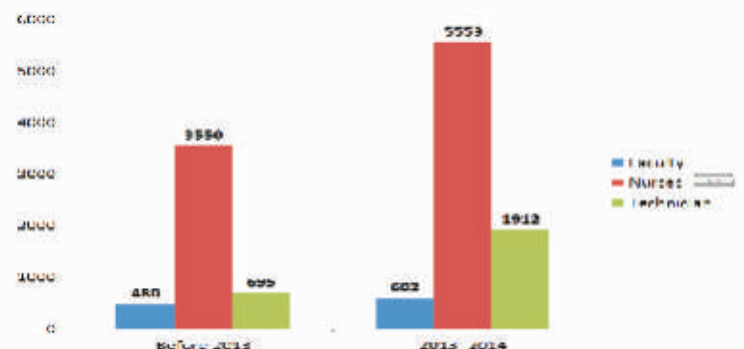
11 October 2014



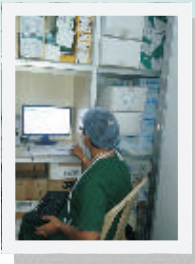
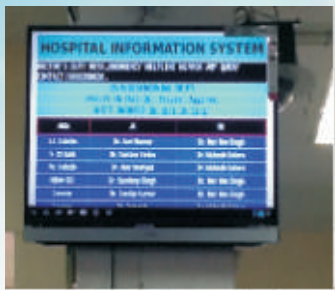
Human Resources Development

Human resource are the most important assets of AIIMS and for the 1st time the huge deficit in faculty & nurses was addressed

Category	2013	2014	% increase
Faculty	480	602	20.3%
Nurses	3550	5553	36.1%
Technicians	1760	1912	8%



Milestones in Computerization at AIIMS



Oct 1, 2014 eMLC Implemented in ED

Sept 18, 2014 Bed blocking in private ward

Sep 15, 2014 Auto admission blocking implemented

Sep 1, 2014 IVR Appointment system for OPD patients

Aug 15, 2014 ED Emergency coordinator help line number started

Aug 1, 2014 All registration counters to act as 'single window' counters

July 1, 2014 Dietary module in AIIMS

March 1, 2014 CPRS (Computerized Patient Record System)

April 16, 2014 PDS (patient display system) in emergency Dept.

May 14, 2014 whole AIIMS under single WiFi coverage

January 15, 2014 Open PACS implemented in main Hospital

January 6, 2014 Electronic death Note and Scheduling, duty roster

December 6, 2013 Laboratory Information System in e-Hospital implemented across AIIMS



Major Achievements in Computerization

NEW APPOINTMENT SYSTEM & IVRS Implemented all across AIIMS

The computerized appointment system is arguably one of the biggest achievements which have happened in the last year. Although by no means perfect, the system empowers the common man to be seen in a convenient, transparent & accountable manner which is a feat rivaling the computerisation of the Indian railway! To understand the magnitude, one has to look at the numbers: More than 100 departments & clinics, more than 3 million patients every year, more than 300 faculties each with his/ her own limits and various multiple permutations & combinations the task was gigantic to say the least. There were major implementation issues, configuration issues as well as system bugs and although the worst may be over, we are not out of the woods yet. (contd on next page)

CPRS (Computerized patient record system)

VISTA EMR is the open source EMR implemented at AIIMS. After the implementation of Vista EMR in AIIMS, patient data became easily accessible using a single UHID. Almost 90% of all clinical departments are making discharge summaries on CPRS and almost all departments are making operation notes on CPRS. Our aim is to further increase the usability and functionality of this EMR so that all departments shift from manual records to this system. This is also the most cost effective solution for large organizations like AIIMS and has the potential for a national EMR



Lab implementation in AIIMS from 0-100% in 6 months



Another major achievement in the last year was the implementation of online labs across AIIMS. The scale of this implementation was humongous and the challenges seemed unsurmountable initially. However, the NIS (Nursing Informatics Specialists) rose to the task and in close collaboration with Labs, doctors and nurses were able to successfully pull off this implementation. Currently more than 90% tests (by volume) are being done online at AIIMS



Faculty development Program

First time in AIIMS Faculty induction programme was carried out to orient and mentor young faculty



Young faculty need to be nurtured and mentored to take the mantle with confidence in the near future. Towards this goal, for the first time a faculty induction program was held which was compulsory for all newly recruited clinical faculty. Various computerization modules were taught to the faculty. This was also the first time that NIS (nursing Informatics Specialists)

took the classes on computerization. A personality development workshop was also part of the course. The program was well appreciated by the faculty. Subsequently a research methodology workshop for the faculty was conducted by CMET which was followed by a microteaching workshop



First time in AIIMS Nurses induction programme for New Nurses who joined in 2014

Nurses Induction program

Nursing induction program is "an introduction to AIIMS and quick overview of AIIMS functioning."

Nursing induction program for nurses was an initiative taken by AIIMS for the new joining nurses. this program was carried out from 26 May 2014 to 27 Aug 2014. Every nurse underwent a 3 half day session involving 31 faculties and 10 departments. A total of 788 nursing staff undergone this induction program.



New Website for AIIMS

A new revamped website for AIIMS (aiims.edu) was launched in Beta mode on 1st Oct 2014. The websites incorporates the latest technologies and is based on CMS (Content Management System) which makes updating contents of breeze. We Hope you enjoy the look as much we enjoyed designing it.



APPOINTMENT SYSTEM (continued from previous page)

Currently, appointments can be taken for ANY department in AIIMS over the phone (09266092660), online (aiims.edu) or in-person from ANY registration or departmental counter in AIIMS. The advantages will be visible to all stakeholders once the system becomes mature and workflow changes are implemented. Departments for the first time can decide on the number of patients that can be practically seen with the current resources and the backlog (waiting time) can enable policy makers to distribute resources accordingly. Patients & doctors are no longer at the mercy of touts as all appointments are given in a transparent manner. This should translate into a model which can be replicated across India. Work in progress includes creating of an indoor patient navigation app and intelligent queue management system

AIIMS MASTER PLAN



P1	NEW WARD BLOCK
P2	PC TEACHING BLOCK
P3	OPD BLOCK
P4	HOSPITAL BLOCK
P5	MOTHER AND CHILD BLOCK
P6	SERVICES BLOCK
P7	DIGNOSTIC BLOCK
P9	SURGICAL BLOCK
P10	BSES PLOT

P11	HOSTEL BLOCK -1
P12	HOSTEL BLOCK -2
P12A	HOSTEL BLOCK -2
P12B	HOSTEL BLOCK -2
P13	HOSTEL BLOCK -3
P14	SERVICES BLOCK
P15	BASEMENT PARKING UNDER HOSTEL-3
P16	PARKING & DINING BLOCK FOR HOSTEL

P18	BASEMENT PARKING
P19	CAFETERIA BLOCK
P20	NEW OPD AND OFFICES
P21	PRIVATE AND VVIP WARD BLOCK
P22	MULTILEVEL BASEMENT PARKING
P23	ANIMAL HOUSE
P24	OFFICERS RESIDENCES
P25	NEW NURSES COLLEGE BLOCK



Infrastructure Achievements

SURGICAL BLOCK , MASJID MOTH AIIMS



- Cost of the project : Rs-51.00 crore
- Construction period : 20 months
- Status: Foundation stone laid by Hon'ble HFM on 3/2/2014. Work in progress.

SALIENT FEATURES-

- 3B+G+8
- Area-18000 sqm
- It is part of the Masjid Moth Development.
- It provides 200 beds increasing capacity by almost 90%.
- It increases O.T.s from present 6 to 12.
- It would be a self contained unit for the surgery department.
- It is surrounded by green zones & is close to the diagnostic center.

MOTHER & CHILD BLOCK , MASJID MOTH AIIMS



- Cost of the project : Rs-190.00 crore
- Construction period : 24 months
- Status: Foundation stone laid by Hon'ble HFM on 3/2/2014

SALIENT FEATURES-

- 3B + G + 8 FLOORS
- Total Beds - 400 approx. 12 OTs
- Ground Coverage - 4733 Sqm.
- Area Proposed for Construction - 54500 Sqm.
- State of art facility for Maternity & Paediatrics

Centre, work is in progress. Approx. cost Rs.23.00 crore

- Construction of New Paid Ward Block, tenders opened & is at award stage. Approx. cost Rs.93.00 crore
- Construction of Cafeteria, tenders invited. Approx. cost Rs.09.00 crore
- New Guest house, drawings submitted & approved by DUAC.
- Tender invited for improvement of façade of AIIMS gate No.1. Approx. cost Rs.04.00 crore

NIGHT SHELTER , AIIMS TRAUMA CENTRE



- Cost of the project : Rs-29.00 crore
- Construction period : 18 months
- Status: Tender in progress
- All required statutory clearances obtained

SALIENT FEATURES-

- B+G+10 floors
- It is located just off the main road and away from the hospital, a fence can segregate it from the rest of the campus.
- A combination of dormitories and rooms is proposed for 325 beds.
- Baths have been provided to take care of night shelter needs in winter.
- A two level center atrium with large openings on the facade to help in natural ventilation has been proposed.

EXPANSION OF AIIMS TRAUMA CENTRE



- Cost of the project : Rs-35.00 crore
- Construction period : 18 months
- Status: Tender in process
- All required statutory clearances obtained

SALIENT FEATURES-

- G + 7 FLOORS
- Total Beds - 45 ICU and 36 private bed.
- Ground Coverage - 10275sqm.
- Area Proposed for Construction - 7031 Sqm.

A lot has happened in the last one year on the infrastructure front at AIIMS and we share with you some of the highlights:

- Foundation stone laying ceremony done for NCI at Jhajjar Haryana, second campus of AIIMS. Approved EFC Rs.2035 crore
- Inauguration of Convergence Block. Approx. Rs.55.00 crore
- Approval of Master Plan of AIIMS Campus from NDMC.
- Relaxation of height issue for Hostel No. 1 & 2 from 5 floor to 10 floors from NMA. Approx. cost Rs.24.00 crore
- Proposal mooted for construction for hostel No.4, approved by DUAC. Approx. cost Rs.27.00 crore
- Construction of Surgical Block awarded, work is in progress. Approx. cost Rs.60.00 crore
- Construction of Vertical Expansion of Trauma Phase I awarded, work is in progress. MOU entered between Power Grid Corporation & AIIMS for funding the project under their CSR funds. Approx. cost Rs.28.00 crore
- Construction of Night Shelter/Dharmshala at Trauma

- Construction of new OPD block at Ballabgarh, work is in progress. Approx. cost Rs.08.00 crore
- OU entered between Pawan Hans Ltd & AIIMS for developing rooftop Helipad at Trauma Centre.
- Construction of New OPD Block at Masjid Moth area of AIIMS, tender invited. Plans approved by NDMC. Approx. cost Rs.271.00 crore
- Construction of Residential accommodation at Jhajjar for NCI, tenders invited. Approx. cost Rs.272.00 crore
- Construction of Mother & Child block at Masjid Moth area of AIIMS, tenders invited. Approx. cost Rs.190.00 crore
- Free Generic Medicine OPD inaugurated.
- Construction of Hospital Research & Teaching building for NCI Jhajjar, tender under finalization for inviting. Approx. cost Rs.407.00 crores



Research



Australia-India Trauma Systems Collaboration

In July 2013, the Australian Government Department of Industry, through the Australia-India Strategic Research Fund, financed a four year program of research to improve trauma care in India and Australia – the Australia-India Trauma Systems Collaboration (AITSC). Australian funding over 4 years 2.1 million AUD and Indian funding over 4 years 2.3 Crore. First year funding in India began in January 2014. To further expand this initially the honourable PM of Australia (Mr. Tony Abbott) visited JPN Apex Trauma Centre along with Health Minister (Honourable Dr. Harshvardhan) and Minister of state for IT (Honourable Dr. Jitendra Singh) on 5th Sep 2014.



Osaka University, Japan & AIIMS MOU

All India Institute of Medical Sciences (AIIMS), New Delhi is collaborating with the Osaka University (OU), Japan, to establish a collaborative research and development program for affordable low cost surgical instruments. The primary objective of this collaboration is to develop novel instruments for surgical needs and affordable medical devices for universal health coverage (UHC). In this regard, a MoU between AIIMS and Osaka University will be signed on 13th of October, 2014. The honourable ambassador of Japan to India, H. E. Mr Takeshi Yagi, the Secretary, Department of Health Research and the Director General, Indian Council of Medical Research, New Delhi, India, Dr V M Katoch, and the Director AIIMS



AIIMS and Ohio State University collaboration

Prof. Misra's initiative to set up the first Center for Regenerative Medicine has resulted in the genesis of this collaboration. The collaboration with Center for Regenerative Medicine and Cell Based Therapy (CRMCBT) of Ohio State University will help to establish the Center for Regenerative Medicine at AIIMS which will be the first of its kind in India.

Collaborations

MOU between AIIMS & University of Michigan

One of the biggest collaborative achievements of this year was the signing of MOU between University of Michigan, Ann Arbor, USA and All India Institute of Medical Sciences. The MOU was signed by Honourable Director, AIIMS, Prof M.C.Misra and President of University of Michigan, Dr. Mary Sue Coleman. A group of twenty faculty members from the University of Michigan visited AIIMS from 11-14 Nov, 2013 to consolidate collaboration between the two institutes, and to take research activities to new heights. Cancer research, Trauma and Critical Care, Translational research and Computerisation Symposiums were held and future collaborative projects were discussed and initiated subsequently. This would help in maturing the existing relationship between the two academic institutions that have a lot to gain from each other. A major educational value for this collaboration specifically to the training of medical students, researchers & faculty members across all disciplines is planned.



New Cadre (Nursing Informatics Specialists) created at AIIMS

In a major thrust towards computerization & Electronic Medical Records (EMR) implementation in AIIMS, a new cadre of nurses, designated as NIS were formally deployed in all wards in Main hospital wef November 2013. The NIS cadre was for the first time created in the country at JPNA Trauma Centre then in Main AIIMS. NIS in main AIIMS will be deployed on every floor of the main Hospital as well as in the centers (RPC, CNC, IRCH & Dental) and will be responsible for the wards on that floor. 4 NIS are posted in every shift to man the emergencies (New Emergency, Main & Pediatric Emergency) and ensure computerisation of ED's, updation of PDS and act as Emergency Nurse coordinators. Additionally, NIS are posted in old private, new private block(s) and RAK OPD.

Presently there are around 50 NIS posted all over AIIMS. It is primary because of NIS that computerization has succeeded in AIIMS. We are confident that the presence of NIS in AIIMS will go a long way towards improving patient satisfaction and outcomes by being the bridge between Information Technology and the healthcare workers as well as patients.



ACCOLADES



Golden peacock award for IT implementation at AIIMS Delhi



"All India Institute of Medical Sciences" has been declared as the Winner of "Golden Peacock Innovative product /service Award" for the year 2014 (for innovative and Extremely cost Effective Use of ITC for e-Governance) The award was presented by Her Excellency Smt. Sheila Dikshit, Hon'ble Governor of Kerala



e-HEALTH AWARD to AIIMS for Best use of IT by Govt Sector



All India Institute of Medical Sciences" has been declared as the Winner of elets eHealth award for Best use of IT by Govt Sector. The award was presented by Department of Public Health Maharashtra Govt. on 11 July 2014, Pune



Skoch Award for 'Cost effective use of Technology in patient care'

AIIMS received the prestigious Skoch order of Merit for 'Cost effective use of Technology in patient care' in September 2014 in India Habitat Centre, New Delhi. Dr Misra (Director, AIIMS) said that he was delighted that AIIMS was chosen for this honor and this was testament to the hard work put in by computer facility over last one year which is now reaping rich dividends for the whole institute. He also added that awards like this go a long way in improving the morale of the staff and act as an incentive to further improve in their field.

