



**8th National Conference on  
Medical Informatics  
3rd-5th Feb. AIIMS, New Delhi, India  
[www.ncmi2012.org](http://www.ncmi2012.org)  
Scientific Programme**



Sl.No	Presenter	Day	Time Start	Time end	Type	Topic	Exact Topic
53	Dean Sittig, Hardeep Singh and Syed Tirmizi	Friday	09:00:00	11:30:00	Workshop	CDSS	Clinical Decision Support: A Practical Guide to Developing Your Program to Improve Outcomes
108	Gyana Ranjan Mohanty and Nazim Nawaz Mohammad	Friday	11:30:00	12:00:00	Sponsored	CDSS	Best practices in Clinical Decision Support – Latest trends in EMR technology and its impact on clinical decision making process
<b>LUNCH BREAK 12:00:00 13:00:00 (Working Lunch to be provided)</b>							
41	Johan Griesel	Friday	13:00:00	14:30:00	Workshop	HIE	Healthcare Interoperability and Collaboration
33	Dr Sanjay Bedi	Friday	15:00:00	16:30:00	Workshop	Medical Education	Online Medical Education
<b>Tea break 16:30:00 17:00:00 (And prepare for inuaguration)</b>							
<b>Inagural program 17:00:00 18:00:00</b>							
75	B S Bedi	Friday	18:00:00	18:30:00	Keynote	Standards	E-Health Standardization- Indian Experience
	Online presentation	Friday	18:30:00	19:00:00			
	Cultural Program	Friday	19:15:00	20:00:00			
	Dinner	Friday	20:00:00				

## Saturday 04th Feb 2012 Combined Hall

57	<b>Denham Pole</b>	Saturday	09:00:00	09:30:00	Keynote	FOSS	Sri Lanka produces open-source patient record software
73	<b>Jeermiah Scholl</b>	Saturday	09:30:00	10:00:00	Keynote	Ehealth	Sustainable and Large Scale Telemedicine Services in Developing Countries: History and Current Trends
43	<b>Jack Li</b>	Saturday	10:00:00	10:30:00	Keynote	Cloud Computing	Cloud Computing as a key to Rural Healthcare Reform

### MORNING TEA BREAK 10:30:00 11:00:00

36	<b>Vinay Kumar/</b> Craig Knoche	Saturday	11:00:00	11:45:00	Seminar	Medical Education	A proposal to create new models of medical education to better serve the health care needs in India
102	Niranjan Srinivasan and <b>Jubin Misra</b>	Saturday	11:45:00	12:10:00	Sponsored	E H R	Enabling a national EHR
107	<b>Sivaprasad.S</b> and <b>Nazim Nawaz Mohammad.</b>	Saturday	12:10:00	12:35:00	Sponsored	Insurance	Rework module of the Health Claims Analytics Workbench
55	<b>Johan Griesel</b>	Saturday	12:35:00	13:00:00	Sponsored	HIE	Leveraging social media collaborative technologies for better care

### LUNCH BREAK 13:00:00 14:00:00

### Hall A Upgraded presentations

13	<b>Ann Seror</b>	Saturday	14:00:00	14:25:00	Presentation	Healthcare Framework	Virtual Markets And Hierarchies In Indian Health Care Services
14	<b>Karanvir Singh</b>	Saturday	14:25:00	14:45:00	Presentation	Data Mining	A new milestone for hospitals - data mining and business intelligence
34	<b>Pramod Jacob</b>	Saturday	14:45:00	15:05:00	Presentation	Ehealth Implemetation	Electronic Health Records- A Global Perspective

## Free papers Session E Health-I

Dr. Sanjeev Sood

51	<b>Dr Mahendra Surwade and S.B.Gogia</b>	Saturday	15:05:00	15:20:00	Short Paper	Ehealth	Establishing Tele-Ophthalmology Centers in the North East
40	<b>Vijay Srivastava and Shashi Gogia</b>	Saturday	15:20:00	15:35:00	Short Paper	Ehealth	Implementing Tele Ophthalmology
42	<b>Ruchi Agarwal and Manoj Rai Mehta</b>	Saturday	15:35:00	15:50:00	Short Paper	Ehealth	Telemedicine supported total eye care project (tstep) training program
30	<b>Arun Rekha Gogia and Shashi Gogia</b>	Saturday	15:50:00	16:05:00	Short Paper	Ehealth	Telemedicine Supported Limb care in the Periphery

EVENING TEA BREAK 16:05:00 16:30

## Free Paper Session in Hall A E H R I

Hardeep Singh

Dr. Pramod Jacob

9	<b>Anand Malaviya and Shashi Gogia</b>	Saturday	16:30:00	16:45:00	Short Paper	E H R	Objectified Assessment of Rheumatoid arthritis in Real Time as an aid for Treat-to-Target Treatment Strategy
64	<b>Shruti Gadgil</b>	Saturday	16:45:00	17:00:00	Short Paper	E H R	Role of Knowledge Based Expert Medical Systems in improving Quality of Healthcare
67	<b>Dr. Anil Vij</b>	Saturday	17:00:00	17:15:00	Short Paper	E H R	E prescription
26	<b>Ganeshkumar Parasurman, Arun Kumar Sharma and Op Rajoura</b>	Saturday	17:15:00	17:30:00	Short Paper	E H R	Evaluation Of Computer Usage In Healthcare Among Private Practitioners Of Nct Delhi

Dr. Sneh Bhargava

Jaljit Bhattacharya

## Free Paper Session in Hall B Image Processing/PACs

6	<b>Ashis Dhara</b> , Chanukya Krishna Chama and Sudipta Mukhopadhyay	Saturday	14:00	14:12:00	Short Paper	Image Processing	Content-Based Image Retrieval System for Differential Diagnosis of Lung Cancer
8	<b>Meghna Jain</b> and <b>Mukta Bhatele</b>	Saturday	14:13:00	14:25:00	Short Paper	Image Processing	Error Resilient Transmission and Security Filtering of Medical Images
11	<b>B Padmapriya</b> , T Kesavamurthi, Anju Gupta and <b>T Lazar Mathew</b>	Saturday	14:26:00	14:38:00	Short Paper	Image Processing	Design And Implementation Of Edge Based Image Segmentation To Find The Area And Volume Of The Urinary Bladder
35	<b>Gunjanbhai Patel</b> and Sistu Ganesh	Saturday	14:39:00	14:52:00	Short Paper	Image Processing	Real Time Carotid arteries detection in Vascular Ultrasound Medical Imaging
47	<b>Jatindra Kumar Dash</b> , Rahul Das Gupta, <b>Sudipta Mukhopadhyay</b> , Niranjana Khandelwal, Mandeep Garg and Pinakpani Bhattacharya	Saturday	14:53:00	15:05:00	Short Paper	Image Processing	Content-Based Image Retrieval System for Interstitial Lung Diseases
80	<b>Dr. Arun M.S</b> and Dr Somu G	Saturday	15:06:00	15:18:00	Short Paper	PACs	Picture archiving and communication system at a tertiary care hospital: Ten year experience.

Dr. Kamal Kishore

## Bio Informatics

Dr. Y.D. Sharma

19	<b>Mayadhar Barik</b> , Dr. Vaibhav Choudhary and Sushil K Meher	Saturday	15:20:00	15:35:00	Short Paper	Bio informatics	Current Prospective In Gene Therapy And The Role Played By Medical Informatics
23	<b>Mayadhar Barik</b> and Sushil K Meher	Saturday	15:35:00	15:50:00	Short Paper	Bio Informatics	Evaluation and monitoring of meta-analysis in medical research through information technology
54	<b>Swati Vipsita</b>	Saturday	15:50:00	16:05:00	Short Paper	Bio Informatics	Approximation of Neural Network using Differential Evolution for Protein Superfamily Classification

EVENING TEA BREAK 16:05:00 16:30

# Robotic Engineering

63	<b>Prasad Sonar and Bijay Rout</b>	Saturday	16:30:00	16:45:00	Short Paper	Robotic Engineering	Review on design of exoskeleton for Rehabilitation Engineering
72	<b>Oishee Mazumder</b> and Ananda Sankar Kundu	Saturday	16:45:00	17:00:00	Short Paper	Robotic Engineering	EMG Based Multichannel Human Computer Interface for Rehabilitation Training
105	<b>M. Sugavaneswaran and G. Arumaikkannu</b>	Saturday	17:00:00	17:15:00	Short Paper	Robotic Engineering	Application of Bio-CAD Modeling and Rapid Prototyping in Customized Prosthesis Fabrication

## Sunday 05th Feb 2012

61	<b>Ashish Joshi</b>	Sunday	09:00:00	09:30:00	Keynote	Health Provision	Emerging role of Informatics to improve population health
37 & 38	<b>Dean F Sittig, Hardeep Singh, Shubnum Singh and Kanav Kahol</b>	Sunday	09:30:00	10:15:00	Seminar	Healthcare Framework	Can a New Sociotechnical Model for Health IT be Useful to Guide Healthcare Reform in India?  A New Sociotechnical Model Helps Guide the Application of Information Technologies in Healthcare
59	<b>Divye Chabbra and Neena Pahuja</b>	Sunday	10:45:00	11:00:00	Short Paper	E H R	Measuring and Tracking the Progress of Implementing a Comprehensive Electronic Health Record: A Mixed-Methods Approach

**MORNING TEA BREAK 11:00:00 11:30:00**

## Free Paper Session in Hall A HIS /Data Mining

7	<b>Saurabh Bhatia</b>	Sunday	11:30:00	11:45:00	Short Paper	H I S	Reducing EMR implementation cost and improving adoption using eLearning for training and change management
15	<b>Sanjeev Sood</b>	Sunday	11:45:00	12:00:00	Short Paper	H I S	Leveraging Data Analytics in Healthcare-- Some interesting Case Reports
18	<b>Praveen Srivastava</b>	Sunday	12:00:00	12:15:00	Short Paper	H I S	Hospital Information System, An Integrated Approach For Better Patient Care and Generation of Electronic Health Record.
28	<b>Anindam Basu</b> and Dr. Anandhi Ramachandran	Sunday	12:15:00	12:30:00	Short Paper	H I S	Perceived benefits of Hospital Information System & EMR by End Users A Survey done in a Government Hospital
29	<b>Dr. Aman Rana</b> and Dr. Anandhi Ramachandran	Sunday	12:30:00	12:45:00	Short Paper	H I S	Significance Of A Meticulous Change Management Strategy In Successful Implementation Of A Healthcare Information System
46	<b>Indrajit Bhattacharya, B.K. Jha</b> and Anandhi Ramachandran	Sunday	12:45:00	13:00:00	Short Paper	H I S	Business Analytics on the fly for Healthcare Enterprises using the Cloud Model

## LUNCH BREAK 13:00:00 14:00:00

## E Health II

22	<b>Dr.G.D Mogli</b>	Sunday	14:00:00	14:15:00	Short Paper	Ehealth	Personal Eternal Health Passbook
50	Dr Dr. Kunal Kanti De, Tushar Kanti De and <b>Arin Basu</b>	Sunday	14:15:00	14:30:00	Short Paper	Ehealth	Setting Up of The Telehealth Services In India: Concept And Proposal
79	<b>Prof. Subrat Kar, Sanat Sarangi</b> and <b>Akshat Bisht</b>	Sunday	14:30:00	14:45:00	Short Paper	Ehealth	A Wireless Sensor Network based Fall Detection and Activity Monitoring System for the Elderly
96	<b>Dr. Shilpa Kaistha</b> and Dr.Neha Asija	Sunday	14:45:00	15:00:00	Short Paper	Ehealth	“Tele-health center for rural India” (A bottom to top approach for improving health care facility at rural remote areas ) (A conceptual analysis)

## EVENING TEA BREAK 15:00:00 15:30:00

Valedictory session 15:30:00 16:30:00 Summary of all previous sessions to be given

**Dr. Saurabh Bhatia**

### Free Paper Session in Hall B Health Provision

**Dr. Jack Li**

27	<b>Anindam Basu</b> , Akshay Soni and Abhishek Singh	Sunday	11:30:00	11:45:00	Short Paper	Health Provision	Conceptual ICT systems framework empowering rural health workforce in India for MDG 4 & 5
60	<b>Dr. Jaijit Bhattacharya</b> , Ms. Ritu Ghosh and <b>Dr. Anjali Nanda</b>	Sunday	11:45:00	12:00:00	Short Paper	Health Provision	Micro Health Centre: Cloud Enabled Infrastructure Solution for Health
68	<b>Farooq Ahmad Wani</b>	Sunday	12:00:00	12:15:00	Short Paper	Health Provision	Medical Informatics activities in J&K
81	<b>Dr. Rahul K Garg</b>	Sunday	12:15:00	12:30:00	Short Paper	Health Provision	Integrated Network Solutions for Private Healthcare Sector in India
90	<b>Arvind Saraf</b>	Sunday	12:30:00	12:45:00	Short Paper	Health Provision	Comprehensive in Health Information management
98	<b>Aditya Sood, Neha Arora and Neeraj Prajapati</b>	Sunday	12:45:00	13:00:00	Short Paper	Health Provision	A case study of IT initiative in health sector

**Dean Sittig**

### Free Paper Session in Hall B E H R II

**Sushil Kumar Meher**

78	<b>Dr Kh. Purshottam</b>	Sunday	14:00:00	14:15:00	Short Paper	Medical education	Need For Knowledge Management among Clinical Practitioners for Collaborative Learning
70	<b>Prof Dr. N.G Rao</b> and Dr Anil Vij	Sunday	14:15:00	14:30:00	Short Paper	P H R	Self Management Of Personal Health - An Absolute Necessity
66	<b>Dr Shruti Gadgil</b> and <b>Jagannayakam S</b>	Sunday	14:30:00	14:45:00	Short Paper	E H R	Soarian Quality Measures – Measurement of Clinical Quality Indicators
49	<b>Swati Sharan</b> and Swamil Patni	Saturday	14:45:00	15:00:00	Short Paper	P H R	Online Medical Application: Innovation in Healthcare Delivery System

## EVENING TEA BREAK 15:00:00 15:30:00

### Poster session 1 Saturday 13:00

16	<b>Neera Munjal, Meera Munjal, Neeraj Nagpal and Sayan Chatterjee</b>	Saturday	13:00:00	Poster	Bio Informatics	Study of Protein Motifs in Growth Factors and their Receptors in Human: A Computational Biology Approach
10	<b>Tamalika Chaira</b>	Saturday	13:00:00	Poster	Image Processing	Intuitionistic Fuzzy Medical Image Thresholding Techniques- a survey
83	<b>A. Subramoniam</b> , Jija James, Kesava Das, Chandrasekharan , Thomas, Bejoy, M. Anburajan and Angeline Kirubha S.P	Saturday	13:00:00	Poster	Image Processing	Studying functional connectivity of language in human brain
32	<b>Sanjeev B</b>	Saturday	13:00:00	Poster	PACs	Paradigm shift in PACS
100	<b>Vaibhav Rastogi</b> , Dr Chandravali Madan and Dr. Amit Srivastava	Saturday	13:00:00	Poster	PACs	Impact of PACS in a Hospital
39	<b>Manjusha Joshi</b> and Kamalakar Desai	Saturday	13:00:00	Poster	Waveforms	ECG Signal analysis used as confirmative tool in quick diagnosis of Myocardial Infarction.
84	<b>Hemendra Singh</b>	Saturday	13:00:00	Poster	Cloud Computing	CLOUD COMPUTING IN PUBLIC HEALTH
94	<b>Dr. Tejinderpal Singh</b> and Mrs Harmeet Kaur	Saturday	13:00:00	Poster	Cloud Computing	Application of e-commerce Business Models in Health Care Industry

### Poster session 2 Saturday Evening 17:15

17	<b>Vivek Bhargava</b> , Shivangi Kaushik and Akanksha Sharma	Saturday	17:15:00	Poster	Ehealth	Telemedicine: A transformation in Rural System
77	<b>Madhav Chablani</b>	Saturday	17:15:00	Poster	Ehealth	How to reach Un-reachable - Can we afford to ignore m-health ?
93	<b>Rajat Agarwal, Gautam Jain, R. P. Pareek</b> and Eadara Srikanth	Saturday	17:15:00	Poster	Ehealth	A Study to Assess the Effectiveness and Reliability of the Telemedicine Bringing Specialist Healthcare to the Rural India with Optimized Cost-effective Services
97	<b>Dr. Neeraj Mehta</b> , Dr. Rishab Gupta and Dr Mayank Sharma	Saturday	17:15:00	Poster	Ehealth	Telemedicine
82	<b>Dr. Chandravali Madan</b> and <b>Dr. Vaibhav Rastogi</b>	Saturday	17:15:00	Poster	Ehealth	Diabetes Education via Telemedicine



## Poster session 3 Sunday 11:00

101	<b>Bhawesh Misra</b>	Sunday	11:00:00	Poster	Epidemiology	Use of Integrated Health Screening & Information Systems (IHSIS) to monitor cardiometabolic risk factors in a large urban population in Delhi
3	<b>Subrata Sinha</b>	Sunday	11:00:00	Poster	Library Sciences	Inception of Medi Java- An Open Source Library for Medical Sciences for faster and reliable medical science software development
91	<b>Aditya Chora</b>	Sunday	11:00:00	Poster	Miscellaneous	Business Intelligence
92	<b>Harshita Vijn</b>	Sunday	11:00:00	Poster	Miscellaneous	ICT Greening : Call for trained HIT professionals

## Poster Session 4 Sunday 13:00

times	<b>Dr. Gyanaranjan Pradhan and Dr.Ratna Gupta</b>	Sunday	13:00:00	Poster	Health Provision	“E-Swasthya Kutira” (A Rural ICT Health Information Center) An Innovation May Bring Revolution in rural healthcare By
44	<b>Dr. G. D. Mogli</b>	Sunday	13:00:00	Poster	Nursing Informatics	Computerized Nursing Ward Administration
45	<b>Dr. Shabbir Syed Abdul</b>	Sunday	13:00:00	Poster	P H R	A Global Travelers’ Electronic Health Record Template (TrEHRT) Standard for Personal Health Records
52	<b>Dr. Goverdhan Mogli</b>	Sunday	13:00:00	Poster	P H R	Causes for Delay in Effecting EHR Globally
106	<b>Satish Kumar, Lingaraja Jena and B. C. Harinath</b>	Sunday	13:00:00	Poster	Public Health	Health Informatics – Certification & Dissemination of Information on Emerging Infectious Diseases and Lifestyle Health Problems
2	<b>Suptendra Nath Sarbadhikari</b>	Sunday	13:00:00	Poster	Standards	The role of Standards for Healthcare Information Exchange – Global perspectives and India
86	<b>Derek Treatman, Vikram Kumar, Animesh Sharma, Nick Amland, Krishna Swamy and Mohini Bhavsar</b>	Sunday	13:00:00	Poster	Survey	Performance Metrics Indicative of Supervision: A Study of Community Health Workers
5	<b>Vicky Suri</b>	Sunday	13:00:00	Poster	Telemedicine	Establishment and Assessment of Teleelectronic Care System For Maternal and New Born Care

114	<b>Payal Jotwani</b> and Ashish Suri	Sunday	13:00:00	Poster	Telemedicine	Supplementing Education and Training in Neurosurgery: Web-based education and tele-education
113	<b>Ragu Kumar</b> and S.P Singh and Hari Shanker	Sunday	13:00:00	Poster	Networking in Medical Informatics	Design & Implementation of Wi-Fi based Access Network for Health Care professional in All India Institute of Medical Sciences, New Delhi, India.
71	<b>Dr.Bhushanrao Somvanshi</b>	Sunday	13:00:00	Poster	mHealth	M-Health(An universal Accessible HealthCare Information Source)