



**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/ Chairperson
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
<b>Sponsored Session</b>							<b>Syed Tirmizi</b>
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</b> (Working lunch to be provided on payment)							
41	Johan Griesel	Friday	13:00:00	14:30:00	Workshop	HIE	Healthcare Interoperability and Collaboration
Split Workshop Sessions				Online Medical Education in CMET hall (Computers to be provided)		VISTA Workshop in Conference Hall	
33	Dr Sanjay Bedi	Friday	15:00:00	16:30:00	Workshop in CMET hall	Medical Education	Online Medical Education
115	Rohit Kumar	Friday	15:00:00	16:30:00	Workshop	Sponsored Workshop on VISTA	Easily Accessible, Affordable & Advance Healthcare Solution. Vista integrated with CRM.
<b>Tea break 16:30:00 17:00:00</b> (and prepare for inuaguration)							
<b>Inagural program 17:00:00 18:00:00</b>							
75	B S Bedi	Friday	18:00:00	18:30:00	Keynote	Standards	eHealth Standardization- Indian Experience

13	Ann Seror	Friday	18:30:00	19:00:00	Online Presentation		Virtual Markets And Hierarchies In Indian Health Care Services
	Cultural Program	Friday	19:15:00	20:00:00			TYAAG-NISHA MAHAJAN & CO.
	Dinner	Friday	20:00:00				

## Saturday 04th Feb 2012 Combined Hall

### Keynote Presentations

**Dr S B Bhattacharyya**  
**Major Anil Kuthiala**

57	Denham Pole	Saturday	09:00:00	09:30:00	Keynote	FOSS	Sri Lanka produces open-source patient record software
43	Jack Li and Shabbir Syed Abdul	Saturday	09:30:00	10:00:00	Keynote	Cloud Computing	Cloud Computing as a key to Rural Healthcare Reform
117	Symantec	Saturday	10:00:00	10:20:00	Sponsored		Security System
117	Sheena Eye Care	Saturday	10:20:00	10:30:00	Sponsored		Product Demonstration

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

### Seminar on Medical Education

**Manoj Kumar Singh**

36	Vinay Kumar/ 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
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### Sponsored Session

**Sanjay Bedi**  
**Pramod Jacob**

111	Arun Sundararaman and Nazim Nawaz Mohammad	Saturday	11:45:00	12:10:00	Sponsored	E H R	A Framework for Linking Data Quality to Quality of Medical Decisions using Clinical Decision Support Systems
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107	<b>Sivaprasad.S and Nazim Nawaz Mohammad.</b>	Saturday	12:10:00	12:35:00	Sponsored	Insurance	Rework module of the Health Claims Analytics Workbench
32	<b>Sanjeev B</b>	Saturday	12:35:00	13:00:00	Sponsored	PACs	Paradigm shift in PACS

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

Transfer to individual halls

Hall A Saturday 4th

Upgraded presentations

Vivek Sahi

Anandhi Ramachandran

55	<b>Johan Griesel</b>	Saturday	14:00:00	14:25:00	Presentation	HIE	Leveraging social media collaborative technologies for better care
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 eHealth-I

Indrajit Bhattacharya

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

### E H R - I

Hardeep Singh

Pramod Jacob

9	<b>Anand Malaviya</b> and Shashi Gogia	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>Anil Vij</b>	Saturday	17:00:00	17:15:00	Short Paper	E H R	E prescription
26	<b>Ganeshkumar Parasurman</b> , Arun Kumar Sharma and Op Rajoura	Saturday	17:15:00	17:30:00	Short Paper	E H R	Evaluation Of Computer Usage In Healthcare Among Private Practitioners Of Nct Delhi

Free Paper Session in Hall B (Conference Hall)

Saturday 4<sup>th</sup>

### Image Processing/PACs

Sneh Bhargava

Jaljit Bhattacharya

6	<b>Ashis Dhara</b> , Chanukya Krishna Chama and Sudipta Mukhopadhyay	Saturday	14:00:00	14:15:00	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	14:15:00	14:30:00	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	14:30:00	14:45:00	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	14:45:00	15:00:00	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> , Niranjan Khandelwal, Mandeep Garg and Pinakpani Bhattacharya	Saturday	15:00:00	15:15:00	Short Paper	Image Processing	Content-Based Image Retrieval System for Interstitial Lung Diseases
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## Bio Informatics

Kamal Kishore

Y.D. Sharma

19	Mayadhar Barik, Vaibhav Choudhary and Sushil K Meher	Saturday	15:15:00	15:30:00	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	15:30:00	15:45:00	Short Paper	Bio Informatics	Evaluation and monitoring of meta-analysis in medical research through information technology
54	<b>Swati Vipsita</b>	Saturday	15:45:00	16:00:00	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

Prof. Subrat Kar

Bikram Rath

63	<b>Prasad Sonar</b> and <b>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</b> and <b>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

Over to IAMI for GBM (Conference Hall)

Contributory Conference Banquet (Venue to be announced)

Sunday 05th Feb 2012

Keynote Presentation

Neena Pahuja

61	<b>Ashish Joshi</b>	Sunday	09:00:00	09:30:00	Keynote	Health Provision	Emerging role of Informatics to improve population health
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Seminar on EHR and Socio Technical Models

B S Bedi

Supten Sarbhadhikari

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?
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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 Chhabra 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
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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**

Transfer to individual halls

Hall A Sunday 5<sup>th</sup>

Free Paper Session -HIS /Data Mining

S N Ragu Kumar

Karanvir Singh

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 and Anandhi Ramachandran</b>	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	Aman Rana and 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 and Anandhi Ramachandran</b>	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

### eHealth II

**Saurabh Bhatia**  
**Denham Pole**

118	<b>Sushil K Meher</b>	Sunday	14:00:00	14:15:00	Short Paper	ehealth	Genesis Present and Future of Medical Informatics
22	<b>G.D Mogli</b>	Sunday	14:15:00	14:30:00	Short Paper	ehealth	Personal Eternal Health Passbook
79	<b>Prof. Subrat Kar, Sanat Sarangi and 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	Shilpa Kaistha and 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

## Free Paper Session in Hall B (Conference Hall)

Sunday 5<sup>th</sup>

## Health Provision

S.B. Gogia

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	Jaijit Bhattacharya, Ms. Ritu Ghosh and Anjali Nanda	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>Rahul K Garg</b>	Sunday	12:15:00	12:30:00	Short Paper	Health Provision	Integrated Network Solutions for Private Healthcare Sector in India
113	<b>Ragu Kumar</b> and S.P Singh and Hari Shanker	Sunday	12:30:00	12:45:00	Short Paper	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.
98	<b>Aditya Sood, Neha Arora</b> and Arun Singh Rana	Sunday	12:45:00	13:00:00	Short Paper	Health Provision	A case study of IT initiative in health sector

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

Dean Sittig

Shabbir Syed Abdul

78	<b>K H Purshottam</b>	Sunday	14:00:00	14:15:00	Short Paper	Medical education	Need For Knowledge Management among Clinical Practitioners for Collaborative Learning
70	N.G Rao and 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

S.K Meher

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
100	Vaibhav Rastogi, Dr Chandravali Madan and Amit Srivastava	Saturday	13:00:00	Poster	PACs	Impact of PACS in a Hospital
84	<b>Hemendra Singh</b>	Saturday	13:00:00	Poster	Cloud Computing	CLOUD COMPUTING IN PUBLIC HEALTH
94	Tejinderpal Singh 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

Major Anil Kuthiala

17	<b>Vivek Bhargava, Shivangi Kaushik and Akanksha Sharma</b>	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 and Eadara Srikanth</b>	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
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
71	<b>Bhushanrao Somvanshi</b>	Sunday	13:00:00	Poster	mHealth	M-Health(An universal Accessible HealthCare Information Source)
82	<b>Chandravali Madan and Vaibhav Rastogi</b>	Saturday	17:15:00	Poster	mHealth	Diabetes Education via Telemedicine

## Poster session 3 Sunday 11:00

Vinay Pande

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
116	<b>Ashutosh Biswas and Sushil K Meher</b>	Sunday	11:00:00	Poster	IT	Role of Information Technology (IT) and Challenging issues in prevention control and management of Infectious Diseases
92	<b>Harshita Vijn</b>	Sunday	11:00:00	Poster	Miscellaneous	ICT Greening : Call for trained HIT professionals

## Poster Session 4 Sunday 13:00

Sanjay Gupta

31	Gyanaranjan Pradhan and Ratna Gupta	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>G. D. Mogli</b>	Sunday	13:00:00	Poster	Nursing Informatics	Computerized Nursing Ward Administration
45	<b>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>Goverdhan Mogli</b>	Sunday	13:00:00	Poster	P H R	Causes for Delay in Effecting EHR Globally
106	<b>Satish Kumar</b> , Lingaraja Jena and B. C. Harinath	Sunday	13:00:00	Poster	Public Health	Health Informatics – Certification & Dissemination of Information on Emerging Infectious Diseases and Lifestyle Health Problems
86	<b>Derek Treatman</b> , Vikram Kumar, Animesh Sharma, Nick Amland, Krishna Swamy and Mohini Bhavsar	Sunday	13:00:00	Poster	Survey	Performance Metrics Indicative of Supervision: A Study of Community Health Workers