

## WNTB-2010: National Workshop on Wireless Networks: Today & Beyond



*Inaugural Session of National Workshop-WNTB-2010: (L to R: Dr. Dharm Singh, Maj. Gen. B.K. Varma, Prof. H.R. Vishwakarma, Mr. Narhari Sharma)*

One day National Workshop on National Workshop on Wireless Networks Today & Beyond (WNTB-2010) was organized by Special Interest Group- Wireless Networks, Computer Society of India (SIG-WNs, CSI), Udaipur Chapter and Suresh Gyan Vihar University (SGVU), Jaipur on 20<sup>th</sup> September 2010 at SGVU Campus.

More than 300 IT professionals, researchers, students from various organizations across the country are participated in the conference.

### **Inaugural Session**

At the inaugural session, Maj. Gen. B.K. Varma (Retd.) Hon'ble Pro President SGVU, Jaipur and Chief Guest, shared his views about the development of wireless networks and its application in educational areas and the Guest of Honor Prof. Prof. H.R. Vishwakarma, Honorary Secretary CSI, Udaipur spoke on the advancement in the field of computer networking and gave the role of CSI after the inaugural ceremony. Guest of Honor Narhari Sharma (Retd IAS), Registrar SGVU welcomed the guests, participants and students to the workshop.

Organizing Chair of the workshop Dr. Dharm Singh, Convener SIG-WNs and Hon. Sec. of CSI Udaipur delivered the keynote address after inaugural session.



*Participants of Workshop*

### **Invited Talks**

The workshop proceedings were scheduled and deliberated in six sessions which included keynotes addresses and hand-on experience. Invited talks in technical sessions were delivered by Mr. Rajesh Khandari –Data Head and Rohit Mishra Assistant Manager – AIRTEL, Rajasthan on Wireless in Telecom Solution and Service Scenario, Mr. Uttam M. Sharma, RNS Infotech, Jaipur: Networking conceptu in IT and enterprise wireless, Abhinav Sharma: WiMax and Mobile IP - Protocol Requirements, Bhargu Sharma and Puran Rathore: Hands on basic configuration of wireless devices.



### **Roll of CSI**

Honorary Secretary Prof. H.R. Vishwakarma addressed the house about the CSI and said the CSI has been instrumental in guiding the Indian IT industry down the right path during its formative years.



*Prof. H.R. Vishwakarma addressing the house*

The mission of the CSI is to facilitate research, knowledge sharing, learning and career enhancement for all categories of IT professionals, while simultaneously inspiring and nurturing new entrants into the industry and helping them to integrate into the IT community. The CSI is also working closely with other industry associations, government bodies and academia to ensure that the benefits of IT advancement ultimately percolate down to every single citizen of India.



*Dr. Dharm Singh delivering key note address*

### **Keynote address**

Dr. Dharm Singh delivered the practical issues pertinent to Wireless Networks: Issue and Challenges and has expressed that workshop will provide a strong base to the use of wireless technologies. He presented about the Approaches to Cope with Increasing Capacity, Global System for Mobile Communications (GSM), Future Wireless Systems: Ubiquitous Communication among People and Devices. He discussed the various issues and designs of Communication Infrastructure like., technical design issues which consist of network design, capacity planning, response time calculations, data compression considerations, system availability design and security issues and Issues regarding Wireless LAN design and Wide Area Radio Network Design.

Dr. Dharm Singh also addressed the issues other than technical design the next major issue under ICTs applications like Reliability of end user device, Battery life, Input method-keyboard, pen, touch or voice, Ruggedness, Whether Portable or fixed Safety & Health issues. The function ended with Mr. Dinesh Goyal, Head CSE, SGVU, Jaipur presenting the Vote of Thanks.



*Mr. Dinesh Goyal presenting vote of thanks*

### **Recommendations**

- Normal use of wireless network devices does not expose the user to harmful levels of radiation. Regularly seminars and conferences should be organized
- The location of all wireless network installations must be registered and published by the institution in an area where it can be readily consulted by the user community.
- When designing wireless Access Points (APs) placement for performance, do not overload wireless Access Points with too many connected wireless clients. For higher density situations, lower the signal strength of the wireless APs to reduce the coverage area, thereby allowing more wireless APs to fit in a specific space and more wireless bandwidth to be distributed to more wireless clients.

### **Media Coverage**

**Danik Bhaskar Jaipur :22 September, 2010, Jaipur**



## REPORTS

# WNTB-2010:

## National Workshop on Wireless Networks: Today & Beyond

A Report prepared by: *Dr. Dharm Singh,*  
Convenor SIG WNs and Hon. Secretary CSI, Udaipur



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Maj. Gen. B K Varma, Prof. H R Vishwakarma,  
Mr. Narhari Sharma*

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### **WiMax and Mobile IP**

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