



**PRASAD. M**

Director, Network Engineer & Inventor

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## **PROFILE:**

- Exposure in Installing and configuring **CISCO Routers** and **Switches**.
- Knowledge in configuring **CISCO PIX and ASA Firewalls**.
- Exposure in working with **Cisco Works**.
- Exposure in System Administration, Design, Installation and Maintenance of **Microsoft Windows Server 2003**.
- Exposure in **Microsoft SharePoint 2010 and 2013**
- Exposure in Multi-Industrial Research, Patents and Technology Licensing.

## **PROFESSIONAL CERTIFICATIONS:**

### **CISCO CERTIFICATIONS**

**CISCO REFERENCE ID: CSC010969849.**

- **CCNP**  
Building Scalable Cisco Internetworks (BSCI)  
Building Cisco Multilayer Switched Networks (BCMSN)
- **CCSP**  
Securing Cisco Network Devices (SND)  
Securing Networks with PIX and ASA (SNPA)
- **CCNA**

### **NETWORK SECURITY**

(Attended Security Workshop on Firewall, VPN, IPS, DMZ, CVP, UFP).

### **MICROSOFT CERTIFIED PROFESSIONAL (MCP)**

- **Windows Server 2003 Environment.**  
Candidate ID: SR2231449.

### **CERTIFICATIONS IN COMPUTER HARDWARE AND NETWORKING.**

**TRAINING CERTIFICATE FROM BSNL (GSM),**  
(MDF, MSC, BTS, BSC, VLR, HLR, OAM)

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## **PROFESSIONAL EXPERIENCE:**

**Managing Director of ARMSUN INDUSTRIES PVT LTD, India.  
A multi- industrial research and technology licensing company.  
WEB – ARMSUN.COM**

**Microsoft India (R&D) PVT LTD, Bangalore, India. Worked as a SharePoint Engineer from December 2013 to November 2014**

**AT&T Communication Services PVT LTD, Bangalore, India. Worked as a System Operation Lead Specialist from August 2008 to November 2010**

**IBM India Pvt. Ltd, Bangalore India. Worked as a System Operation Lead Specialist from February 2007 to August 2008 [I have been moved to AT&T Communications due to World Wide Transition of GSDC Business Unit from IBM to AT&T]**

- Managing the devices through Cisco Works and working on failed devices.
- Managing the users in ACS – TACACS.
- Over all devices configuration collection and management.
- Bringing the device under security compliance.
- Inventory checks, standard IOS verification, SNMP strings and password management.
- Tracking all changes in the network and generating monthly report.

**Cybernet Software Systems, Chennai, TN. Worked as a System & Network Engineer from February 2006 to July 2006.**

- Installing, Maintaining and Troubleshooting network consisting machines with **Windows Server 2000, 2003, Windows XP.**
- Installing and Configuring **CISCO Routers.**
- Installing and Configuring **Switches with VLAN [Model No: 1900, 2950 and 3550 (Layer Three Switch)].**
- Installing and Configuring **INFOBLOX DNSone Unit [which provides DNS and DHCP Services to Enterprise Networks].**
- Maintaining the **CISCO PIX Firewall 515.**
- Configuring Network segments based on the requirements.
- Sorting out issues related to Network and Network Connectivity.

**Sutherland Global Services, Chennai, TN. Worked as FLA [Front Line Agent] from August 2004 to January 2005- Supporting HP Desktops, Laptops and PSC**

## FIELD OF RESEARCH & INVENTION:

1. AUTOMOBILE.
2. MOBILE COMMUNICATION AND RF TECHNOLOGIES.
3. MOBILE DEVICE USER INTERFACE
4. WIRELESS ENERGY TRANSFER
5. SPATIAL SIGNAL PROCESSING
6. AEROSPACE

## PATENT PORTFOLIO:

S.NO	Indian Appl No	Priority Date	PCT INTERNATIONAL APPL NO	U.S. Patent Application No	STATUS
1	<b>ENVIROMENT PROPERTY BASED ANTENNA RADIATION PATTERN OPTIMIZING SYSTEM</b>				
	3432/CHE/2010	16th NOV 2010	PCT/IN2011/000641	13/884977	Granted in US, India and South Africa
2	<b>FISHEYE LENS BASED PROACTIVE USER INTERFACE FOR MOBILE DEVICES</b>				
	3886/CHE/2010	20th JUN 2011	PCT/IN2012/000439	14/127,512	Granted in US and India
3	<b>SMART ACTIVE TIRE PRESSURE OPTIMISING SYSTEM</b>				
	4539/CHE/2011	23rd DEC 2011	PCT/IN2012/000826	14/368,192	Granted in US and India
4	<b>AMBIENT INTELLEGENCE BASED WIRELESS ENERGY TRANSFER</b>				
	5543/CHE/2012	31st DEC 2012	PCT/IN2013/000810	14/654847	Granted in US and India
5	<b>OPTIMAL ACCELERATION TO AVOID OR MITIGATE COLLISION</b>				
	4177/CHE/2013	18th SEP 2013	PCT/IN2014/000595	15/021702	Waiting for Examination
6	<b>AUTONOMOUS MOBILITY, ORIENTATION AND ROTATION PROVIDING MECHANISM FOR MOBILE DEVICES</b>				
	376/CHE/2015	27th JAN 2015	PCT/IN2016/000026	15/545,685	Granted in US
7	<b>COMPREHENSIVE ROOF AIRBAGS FOR OPEN TOP, CONVERTIBLE AND CLOSED TOP VEHICLES</b>				
	4798/CHE/2015	10th SEP 2015	PCT/IN2016/000227		Waiting for Examination
8	<b>NEUTRAL AXIS DUCT WITH TANDEM THRUST VECTORING LEADING &amp; TRAILING EDGE PROPELLERS FOR MULTI-MODE SPATIAL VEHICLE</b>				
	6961/CHE/2015	22nd DEC 2015	PCT/IN2016/000289	16/472,228	Waiting for Examination

## NEWS & PRESS:

My patented technology "SMART ACTIVE TIRE PRESSURE OPTIMISING SYSTEM" got selected for tire industries leading conference - Tire Technology 2016 Hannover, Germany. Have been invited as conference speaker and interview got published in their magazine as follows

<http://viewer.zmags.com/publication/41225a63#/41225a63/1>

## **TECHNICAL SKILLS:**

- Administration of Windows Server 2000 and 2003 [Active Directory Service, DHCP Server, DNS Server, FTP server, NTFS, Disk Quota, User management, IIS, OU's, Group Policies, VPN and Terminal Service].
- Exposure to OSI Layers Concept, TCP/IP Concepts, NAT, VPN, Subnetting, RAID-5, High Availability (VRRP, HSRP).
- Routing Protocols [OSPF, RIP (Version 1 and 2), IGRP, EIGRP and Knowledge in BGP].
- Configuring Switches with VLAN [Model No: 1900, 2950 and 3550 (Layer Three Switch)].
- Knowledge in Configuration Cisco PIX Firewall 501, 515 and ASA (Adaptive Security Appliance) 55xx Series Firewalls.
- WAN Protocols [PPP, Frame Relay, ISDN and HDLC].
- Deploying packet filtering using Standard and Extended Access Control Lists.
- Knowledge in AAA Server Configuration with CSACS Software [Which can act as TACACS and RADIUS Server]
- Knowledge in managing IOS configuration [backup and recovery] and Password Recovery.
- Networking Tools: Microsoft Network Monitoring tools, Ethereal, Cisco Works, Solarwinds, Kiwi\_Syslog Server, VNC and Dig.
- Wireless LAN Configuration IEEE 802.11 a/b/g/n [Wi-Fi].
- Knowledge in IEEE 802.16e [Wi-MAX (Wireless MAN)].
- Knowledge in Redhat Linux Enterprise Edition [Version 1] (FTP Server, SAMBA Server, Apache Web Server, Squid Server, Package Management with RPM etc).
- Exposure in Microsoft SharePoint 2010 and 2013

## **PROFESSIONAL QUALIFICATION:**

**Degree** : Bachelor of Engineering.  
**Discipline** : Electronics & Communication Engineering.  
**College** : Sona College of Engineering, Salem, Tamil Nadu.

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