

<b>Dr. SATISH R. DEVANE</b>	
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### I. Personal

Date of Birth : 19<sup>th</sup> April 1964

Passport No. : H5039037 Date of expiry 16<sup>th</sup> April 2019

Life Membership : IEEE, ISTE, CSI, IETE, ISACA. Security Technology Forum of CSI

Present Situation : Principal Dr D. Y. Patil's Ramrao Adik Institute of Technology  
Nerul, Navi Mumbai.

### II. Education

PhD : 2006, Information Technology, Guide **Prof. Phatak D. B.**  
Kanval Rekhi School of Information Technology, IIT Bombay

Thesis Title : "Technical Challenges in Smart Card based Indian Payment System  
For Limited-connectivity Environments"

M.E. : 1994, Electronics, Dr. B.A. M University, Aurangabad, India, 1st Class

Dissertation : "Implementation of LAN on RS232C,

B.E. : 1986, Electronics, Bangalore University

### III. Published Papers

- Jignasa dalal, Satish Devane," Enhancement of Secure E-Payment Protocol Using Smart card for Customer Anonymity ",4th International Conference on E-Commerce with focus on Developing Countries, 3-4 November 2009.
- Shalini Puri,Satish Devane, "Congestion Avoidance and Load Balancing in AODV- Multipath using Queue Length", Second International Conference on Emerging Trends in Engineering & Technology (ICETET-09),Nagpur, G.H.Raisoni College of Engineering, Nagpur, India,December 16-18, 2009
- Satish Devane, Rizwana Shaikh, "Verification of Security properties of Payment Protocol Using AVISPA", The 4th International Conference for Internet Technology and Secured Transactions, (ICITST-2009) ,November 9-12, 2009, London, UK ([www.icitst.org](http://www.icitst.org))
- Satish Devane , Deepak Phatak, "Secure Transaction Protocol for CEPS Compliant EPS in Limited Connectivity Environment", 10th International Conference on Electronic Commerce and Web Technologies (EC-Web 09), Springer Verlag in the series LNCS (Lecture Notes in Computer Science
- Pradnya Gotmare, Dr Satish Devane, Vijayalaxmi Muralidhar, "Effective Search Technique using Web Mining", ICCI-09,Vesit,2-3 Jan,2009,mumbi
- Seema Ladhe, Dr. S.R.Devane, Prof. Madhumita Chatterjee, "Improved Agent based Explicit Path Computation Algorithm for MPLS-TE", 16th IEEE International Conference On Networks (ICON-2008) , New Delhi, India, Date:12-14th December, 2008
- Pradnya S. Gotmare and Satish R.. Devane, "Analysis of best practices for Information Security Evaluation and Management", Proceedings of SPIT-IEEE Colloquium and International Conference, Mumbai, India,4-4 Feb 2008 Vol 5, pp31-36

- Satish Devane, Madhumita Chatterjee and Deepak Phatak, "Secure E-Commerce Protocol For Purchase Of E-Goods", The Third International Symposium on Information Assurance and Security 2007, Manchester, London
- Seema Ladhe, Satish Devane and Madhumita Chatterjee," MPLS: An Analysis of Various Case Studies and Implementation for Traffic Engineering.", Utkarsh 2007, VESIT, Mumbai
- Rizwana Shaikh and Satish Devane, "Analysis of Disaster Recovery Techniques and Algorithms.", Utkarsh 2007, VESIT, Mumbai
- Rizwana Shaikh and Satish Devane " Analysis of Disaster Recovery Techniques and Evolution of Remote Backup Algorithms, International Conference Systemics, Cybernetics and Informatics, Hyderabad, 2007
- Satish Devane, and Santosh Darade "Evolution and Analysis of Micro-payment Systems", International Conference Systemics, Cybernetics and Informatics, Hyderabad, 2007
- Madhumita Chatterjee and Satish Devane, " Secure Payment Protocol for e-Goods Purchase", International Conference Systemics, Cybernetics and Informatics, Hyderabad, 2007,
- Seema Ladhe, S.R.Devane, "Multiprotocol label switching : The Next Generation Packet forwarding Technique", MobiComNet-2004, National Conference on Mobile Computing and Networking, V.I.T., Vellore ,Tamil Nadu, Sept 2004, pp 247-255
- Satish Devane and Madhumita Chatterjee, "Three Party Authentication & Transaction Protocol using Smart Card for online railway reservation " ICSCI 2004, Hyderabad.
- Satish Devane and Deepak Phatak, "Introducing MMA in CEPS for Indian business Scenario", Proceedings THE FUTURE OF SMART CARD , e-smart 2003, Sofia Antipolice, France
- Satish Devane and Madhumita Chatterjee, "Network Security Using Smartcard " CSI, Ahmadabad,2000
- Satish Devane and Madhumita Chatterjee, "Smart Card a Solution for Network Security", CSI Indore, August 2000,
- Satish Devane and Archana Kulkarni, "Intelligent Network for Universities", CSI Aurangabad, September 1996, WRC 96.

#### **IV Book**

- **Problem Solving in Pascal**

#### **V Major Conferences & Seminars :**

- e-smart 2003, Research Conference on smartcard, Sofia Antipolice, France.
- e-smart 2001, Research Conference on smartcard, Cannes France.
- CSI Conference in Hyderabad, Indore, Ahmadabad.
- Current Trends in Computer & Electronics, Singapore and Hong Kong.
- Internet & Java Programming, C-DAC Pune, PUNE
- University Networking, C-DAC Pune
- Quality Management ISO9000, Pune
- IEEE TENCON, New Delhi
- Entrepreneur Development, Mumbai

#### **VI Career Profile ( Appendix I)**

**Dr. D. Y. Patil's R.A.I.T**  
Nerul, Navi Mumbai

Principal (Oct 2007 till date)

**Dr. D. Y. Patil's R.A.I.T**  
Nerul, Navi Mumbai

Professor (Oct 2005 till date)  
Department of Computer Engineering

**MAHE Manipal,**  
Knowledge Village, Dubai, UAE

Chair, (Feb 2005 Sept 2005)  
Department of Information Technology

**SZABIST, DUBAI**  
Knowledge Village, Dubai, UAE

Visiting Faculty (MS COMP ) Feb 2005

**MGM's College of Engineering & Technology**  
Kamothe Navi Mumbai

Professor (October 2002, Feb 2005)  
Assistant Professor (Oct-1997 )  
Head, Dept of Computer & IT

**MGM's College of Engineering**  
Hingoli Road Nanded

Asst. Professor (June-1996 October 1997)  
Lecturer (Aug 1987 - June 1996)  
Head, Dept of Computer.

**MGM's Jawaharlal Neharu Engineering College**  
N5- CIDCO, Aurangabad.

Lecturer ( Feb 1987 - Aug 1988 )

**CTR Manufacturing Industries LTD.**  
E1 -Chikalhana, Aurangabad

Design Engineer (March 1986 - Feb 1987)

## **VII Key Skills & Achievements**

Languages	Assembly Language, C, C++, Java Programming, HTML, Java Script, CGI
Databases	Clipper, FoxPro W, VB, SQL, Oracle, PhP
System	Device Drivers, TSR Programs, Hardware Interfacing to IBM PC.
Administration	Novell Netware 4.1, Window NT/Win2000, Suse Linux 9
Network	TCP/IP,
System Used	IBM PC's, Nexus 3000, ICL'S DRX6000, Macintosh.
Operating Systems & Platforms	UNIX 3000, Windows 2000, Aegis, X-Windows, Novell 4.1, Macintosh 6.2.2, and Linux 9.
Subjects	E-Commerce, Computer Organization, Network Communication, Web Technology, Smartcard, System Analysis and Design, Operating System, Network Security, Software Engineering,

## **VIII Projects & Consultancy (Appendix II)**

1. NMMT Consultation for Requirement examination, Navi Mumbai
2. On Line Web site for MGM New Bombay Hospital Vashi
3. AMUPMDC, Entrance Examination, Mumabi
4. Hospital Management System, MGM New Bombay Hospital Vashi,
5. Voter's ID card, Govt. of India, Maharashtra State
6. Code Conversion for Indian Language ISCII, Govt. of India
7. Temperature Controller, for VPS Color Photo LAB, Nanded.
8. Consultant for automation of "LOKPATRA PAPER", Nanded.
9. Consultant for DTP centers at Nanded.

Place :

Date :

Devane Satish Devane

## APPENDIX I

### CARREER-PROFILE

**MAHE Manipal,**  
Knowledge Village, Dubai, UAE

Chair, (Feb 2005 till date)  
Department of Information Technology

To gain the International experience joined ETA EDUCATION NETWORK'S MAHE Manpal University at Dubai, UAE as Chair Department of IT. MAHE Manipal, University is working on American Credit system, gain the experience of setting up the departments and setting up the courses as well as the curriculum for the courses which are in need of the UAE region, UAE Government initiated the knowledge Village, internet City and Media City to full feel the need of UAE in this progressing world.

**SZABIST, DUBAI**  
**(Shaheed Zulfikar Ali Bhutto Institute of Science and Technology )**  
Knowledge Village, Dubai, UAE

Visiting Faculty (MS COMP) Feb 2005  
Department of Information Technology

Worked as visiting professor in Network Security course for MS(COMP) in SZABIST, SAZABIST is a Chartered Institute established through an Act of Sindh Assembly (Sindh Act No. XI of 1995) and is approved and recognized by the Higher Education Commission (HEC) as a degree granting institution. SZABIST has Campuses in Karachi, Islamabad, Larkana & Dubai (UAE). SZABIST is a registered member of the International Association of Universities (IAU), Association of Commonwealth Universities (ACU), Federation of the Universities of the Islamic World (FUIW), Asia University Federation (AUF) and the Association of SAARC Universities (ASU). Asia Inc, a leading Asian Magazine, has ranked SZABIST among top MBA Schools of South Asia in its latest Asia's Best MBA Schools Survey 2004 (Asia Inc) for the second consecutive year (2003, 2004). SZABIST is one of the top 15 business schools from South Asia ranked in Asia Inc

**MGM's College of Engineering & Technology**  
Kamothe Navi Mumbai

Professor & Head (October 2002-Feb 2005)  
Assistant Professor & (Oct-1997)

I was, heading the departments of Computer and IT and also have additional charge of System Manager. During past six years, major project was undertaken in phases for providing internet connectivity (partly wireless) to entire MGM campus; nearly 350 computers in numbers were installed at various institutes, which include Medical College, Management College, Nursing Institute, and College of Computer Science. Developed in house web based information system which includes, mail server based on **suse linux**, database servers on MS platform. Excellent Lab were developed with each node can be part of Linux, Novell or Microsoft Windows platform. Server Room developed to host 7 Servers with different operating system platform and integrated to the campus network. Recognized postgraduate teacher of the Mumbai University, Guided project on smartcard based data encryption, Network security, and many more in security area

**MGM's College of Engineering**  
Hingoli Road Nanded

Asst. Professor & Head  
(June-1996 October 1997)  
Lecturer (Aug 1987 - June 1996)

Worked as Head of Computer Science and Engineering Dept. Developed a Novell 3.11 Network with AT&T UNIX Server with more than 50 nodes. Developed Digital design lab equipped with Nexus 3000 and Mentor Graphics for design and simulation of digital and microprocessor based system. Developed Computer's Users Club (CUC) for increasing awareness of computer in junior students and other discipline students as well as students from the other schools. Quality Improvement Programs arranged for Staffs and Students. Provided Consultancy services for other Computer Training Institute in the region.

**MGM's Jawaharlal Neharu Engineering College**  
N5- CIDCO, Aurangabad.

Lecturer ( Feb 1987 - Aug 1988 )

Developed various laboratories in the Electronics Department, including Microprocessor lab. Project under guidance were Microprocessor development system, Microprocessor based Digital IC Tester Microprocessor based Moving information message board, and Microprocessor based time-controlled system.

**CTR Manufacturing Industries LTD.**  
E1 -Chikalthana, Aurangabad

Design Engineer (March 1986 - Feb 1987)

Joined as Design Engineer, after completion of one month training worked on design, testing and production of Ignition Capacitor used for automobile industries also developed the test method for various capacitors as per ISI standards.

## APPENDIX II

### Projects & Consultancy

1. 2007-Consultant Engineer to Navi Mumbai Municipal Transport

Requirement analysis for the GPS/GPRS based Project, to implement Vehicle Tracking System for Navi Mumbai Municipal Transport.

2. **Project Manager** : RAIT Consultancy project

Recruitment for various posts of NMMT, Examination, OCR/OMR based Form reader and analysis of

1. Consultant to the Central Examination for Private College Medical College Association for entrance Examination.

2. Hospital Management System.

Design and selection of the HMS system For MGM New Bombay Hospital Vashi, Presently in working condition. Development work for the integration of HMS system to the WEB for Patient Information and Internet based Appointment. Patients SmartCard based ID Card, to make information secularly available on net, Electronic Medical Record (EMR) for Medical Colleges.

HMS System -- Novell HMS

Integration work – JAVA, ASP

3. Preparation of Voter's Identity Card. A Govt. of India project

Voter's Identity cards were prepared for 6 million voters within 3 months using digital image technique.

Responsibilities: Total production, planning and design of software; Handling large data base and images, Accuracy achieved 95%.

System developed in three parts

1. Data entry in regional language with translation of name from regional language to English.
2. Image grabbing and filtering technique. Used MV500 Image grabber card on window 3.11 base platform in MFC and image enhancement technique for auto controlling the image property using C.
3. Data base was developed in FoxPro W using its OLE features to attach image

C, FoxPro W 2.6, MFC 1

4. Code Conversion

Government of India has standardized code which is called ISCII using 256 byte. A Standard form package was developed for transferring old non standard data to standard form in different format like dbf and text.

C & FoxPro W 2.6

5. LAN Using RS232 C

Developed device drivers and TSR for creating LAN environment using only RS232C

C, Assembly 8086, under Dos.

6. Consultancy for Digital photo printing machine.

Modification in a part of fully automated photo printing machine, with 5 temp controller and auto film scanner for correct photo color.

7. News Paper Industry.

First of its kind remote news collection system software was developed in 1990 for a local newspaper using Modem and Special TSR written to capture and send the news.

Client "Lokapatra Paper Pvt Ltd."