

## SAGAR VIJAY MHATRE

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### PERSONAL PROFILE:

Highly articulate, confident and persuasive, able to motivate and communicate to achieve exceptional quality performance. High personal integrity, and able to relate to and create trust in all. Looking forward to work in a reputed institution and build my career by utilizing all opportunities to implement my skills and knowledge.

### WORK EXPERIENCE:

1. **K.J. Somaiya Institute of Engineering and Information Technology, Mumbai**- July 2014 till date  
Working as Assistant Professor in the Department of Electronics and Telecommunication.
2. **VJTI, Mumbai**- July 2013-June 2014  
Worked as Assistant Professor in the Department of Electronics and Telecommunication.
3. **Prabhakar Patil Education Society's Polytechnic, Khalapur**- Aug 2009- Nov 2010  
Worked as a lecturer in Electronics and Telecommunication Department. Carried responsibilities as Department in-charge.
4. **i-Flex Solutions(Oracle Financial Services) Ltd.** - Aug 2006- July 2007  
Worked on both front end as well as back end (Oracle). Designed user interface screens for 'Safe Deposit Box' module. Wrote functions and procedures in oracle for data storage and calculation. Fixed many bugs in the module.

### ACADEMIC PROJECTS:

- **Embedded software development for wind profiler (M. Tech Project)**  
Doppler wind profiler RADAR is used for computing high resolution wind speed at the higher altitude. The project is carried out at Society for Applied Microwave Electronics Engineering and Research. The project involves the development of signal processing system implemented on FPGA, using Xilinx tool.
- **Employee Attendance Record System (B.E. Project)**  
It is a system designed to maintain the employee attendance records over an intranet of a company. An employee has to mark his attendance using a User Interface over LAN. The attendance is stored in the back end. HTML, DHTML, ASP was used as a front-end while SQL-Server was used as back-end Database.

### PUBLICATIONS

- Sagar Mhatre, Ajay Khandare, P.B. Borole, "Doppler Wind Profiler Radar at 50 MHz", *International Journal of Emerging Trends in Electrical and Electronics (IJETEE)*, April-2013, Vol 2. Issue 3.
- Sagar Mhatre, P.B. Borole, Ajay Khandare "Customization of Embedded Software of Ionosonde to Use it as Wind Profiler", *International Journal of Advanced Research in Computer Science and Software Engineering*, June 2013, Vol 3, Issue 6.

- Aniket Nandkishor Burkule, Ravindra Dhewale, Sagar Mhatre, "An Approach to Increase the Flexibility of FPGA Using Various Configuration Techniques: A Review", *International Journal of Advanced Research in Computer Science and Software Engineering* June 2013, Vol 3, Issue 6
- Utkarsha Mahajan, Suraj Shah, Remmya Pillai, Prof. Sagar Mhatre, "Automatic cloth folding and colour based sorting mechanism", *International Journal for Technological Research In Engineering* , March 2015, Volume 2, Issue 7
- Chetan Kamble, Nilesh Chide, Sagar Mhatre, Sandip Sukhdeve, "Thin film organic solar cell as an emerging PV technique", *International Conference on Green Computing, Communication and Conservation of energy (ICGCE)*, 12-14 Dec

### **TECHNICAL PROFICIENCY:**

Tools/Platforms : Xilinx Tools (EDK, SDK, iMPACT, Isim), Microblaze processor, Keil, Matlab.  
 FPGA : Spartan 3A DSP, Spartan 6.  
 Languages : VHDL, Embedded C, C, C++, VB.  
 Database : SQL, ORACLE.

### **EDUCATIONAL QUALIFICATION:**

Examination	Discipline/ Specialization	School/college	Board/University	Year of Passing	CPI/ Percentage
M. Tech	Electronics Engineering	VJTI	VJTI	2013	9.0/10
B.E.	Electronics Engineering	Ramrao Adik Institute of Technology	Mumbai University	2006	67%
H.S.C.	Science	Mahatma Phule A.S.C. College	Maharashtra State Board of Higher Secondary Education	2002	86.00%
S. S. C	S.S.C	V. K. High School	Maharashtra State Board of Secondary Education	2000	86.26%

### **PERSONAL PROFILE:**

Name : Sagar Vijay Mhatre  
 Sex : Male  
 Marital Status : Single  
 Nationality : Indian  
 Permanent Address : 103/D, Riddhi-Siddhi Apt., Pioneer Society, Thana naka,  
 Panvel, Raigad (Maharashtra) - 410206  
 Phone No : 9930654576 (Mob)  
 Date of Birth : 27-08-1985