

MODI DEEP RAJESH

Permanent Add: B-105 Govardhan Nagar, Opp. Poincur gym., Kandivali (W), Mumbai 67, Maharashtra.

Postal Add: 2, Ranchod Park Society, Near Himmathlal Park, Behind Azad Apartment, Ambawadi, Ahmedabad 380015, Gujarat.

+919824227792

deepmodi07@gmail.com



SUMMARY

Talented and accomplished Biomedical Instrumentation Professional with extensive background in System and Network Engineering, Maintenance and Installation. Proven ability to support and install small scale instruments. Able to coordinate between technical and non-technical persons. Adept at determining requirements, project scheduling, and technology planning.

TECHNICAL SKILLS

- **Languages:** C, C++, Java, Assembly and embedded C for microcontrollers i.e. 8051.
- **Applications:** Microsoft Office.
- **Systems:** Windows 98, 2000, XP, Vista, 7.
- **Simulation:** MATLAB (Image and Signal Processing Toolbox), PSPICE

WORK EXPERIENCE

- TEACHING ASSISTANTSHIP at GOVERNEMENT ENGINEERING COLLEGE, GANDHINAGAR (AUGUST 2012 – MAY 2014)
- INTERNSHIP in R&D and SERVICE departments of BIOTECH INDIA (JUNE 2011 – JULY 2011)
A Rehabilitation Engineering company – www.biotechindia.net

Intern – Product Design, testing and service

Designing some part of analog circuit of portable stimulator and display of balleza.

EDUCATIONAL BACKGROUND

- Persuaded M.E. in **Biomedical Instrumentation Engineering** from GOVERNMENT ENGINEERING COLLEGE GANDHINAGAR SEC 28 **affiliated to GUJARAT TECHNOLOGICAL UNIVERSITY** from year 2012-2014.

Agg: 7.77 CPI

EXAMINATION	DISCIPLINE	SCHOOL/COLLEGE	BOARD/UNIVERSITY	YEAR	PERCENTAGE	CPG A/SPI
MASTER OF ENGINEERING (M.E.)	BIOMEDICAL INSTRUMENTATION	GOVERNMENT ENGG COLLEGE-GANDHINAGAR	GUJARAT TECHNOLOGICAL UNIVERSITY	MAY 2014	-	7.77
BACHELOR OF ENGINEERING (B.E.)	BIOMEDICAL	D.J.SANGHVI COLLEGE OF ENGG	MUMBAI UNIVERSITY	MAY 2012	76.54	-
H.S.C. (12th)	H.S.C.	MITHIBAI AND CHAUHAN JUNIOR COLLEGE	MAHARASHTRA STATE BOARD	2008	78.83	-
S.S.C. (10th)	S.S.C.	J.B.KHOT HIGH SCHOOL	MAHARASHTRA STATE BOARD	2006	77.06	-

PROJECTS UNDERTAKEN

PROJECT UNDERTAKEN IN MASTER'S:

- Project 1 – “**Electronic Stethoscope**”. (November-2012)
(The project involves a stethoscope which is developed using analog circuit to filter out the more noise using hardware filtering. With this type of filtering process doctor can easily hear the sound more efficiently and more precisely.)
- Project 2 – “**Android Based Multi Parameter Monitor**”. (August-2013 to May-2014)
(this project deals with multi parameter monitor system, in this the signal are taken from the patient and that signal is given to a microcontroller for digital conversion. The digitized signal is then transferred to a mobile phone through WEB SERVICE to android platform. In android platform various processing will take place and thus it will display the detected signal on to the screen)

PROJECT UNDERTAKEN IN BACHELOR'S:

- Project 1-a microcontroller based “**Obstacle Avoiding Robot**”. (March-2011)
(The project involves a robot guided by infrared proximity sensors and artificial intelligence to avoid collisions. Obstacle Avoiding Robot is an intelligent robot which changes its direction when it detects the obstacle in front of it. This type of device is very much useful for automated wheel chair or for the blind person.)
- Project 2-“**Non-invasive technique for measurement of electrical activity of stomach**”.
(June-2011 to May-2012)

(Electrogastrogram is an medical device which detects the electrical activity of stomach. This device is very much useful in detecting ulcer, carcinoma, vomiting, tachygastria and bradygastria. Since this method is non-invasive it can become superior to the Endoscope.)

Final Year Project has been selected in the national level competition “**Sahajanand Laser Technology SUSHRUTA INNOVATION AWARD 2011-12**” for financial support. Also was given an opportunity to display the prototype of the project at the “**International Medical Fair India 2012**” exhibition which was held in Mumbai from March 2 – 4, 2012.

My Role:

- As a developer I was responsible to develop Protocol design and module development.
- Study of functional requirements, discussion with colleagues to solve the problems.
- Involved in coding.

PAPER PUBLICATIONS

POST-GRADUATE:

INTERNATIONAL:

1. Published paper “**Review on Development of Patient Monitoring System**” in International Journal of Engineering Development and Research, 2014 IJEDR, Volume 2, Issue 1, ISSN: 2321-9939
2. Published paper “**Android Based Patient Monitoring System**” in International Journal for Technological Research in Engineering, 2014 IJTRE, Volume 1, Issue 9, ISSN: 2347-4718

UNDER-GRADUATE:

INTERNATIONAL:

1. Published paper “**Non Invasive Technique for Measurement of Electrical Activity of Stomach**” in International Conference on Advances in Electronics and Bio-Medical Engineering (ICAEBME) under the proceedings of ICETM’12, ISBN: 978-93-81583-52-4.

EXTRACURRICULAR INITIATIVES AND ACHIEVEMENTS

Technical:

- Participated in National Level Poster Competition at Indian Medical Devices and Plastics Disposables Industry 2014. (January 10-11, 2014, Ahmedabad, Gujarat, India)
- Displayed the prototype of the final year project at the “International Medical Fair India 2012” exhibition which was held in Mumbai from March 2 – 4, 2012.
- Ranked 5th in TECHEXPO 2012 a national level inter department project display which was organized by D. J. SANGHVI COLLEGE OF ENGINEERING.
- Member of Placement Committee, DJSCOE 2011-2012.
- Participated in IEEE EMBS WATT’S State Level Model Making Competition at Watumal College in February 2010 .
- Participated in National Level Poster Competition at Xeuron ’11, at Thadomal Sahani College of Engineering in February 2011.

Seminars:

- National level Seminar on Bio-MEMS (Microelectromechanical Systems)
- National level Seminar on Recent Trends in Biomedical Engineering
- World Competition Asia Pacific on Projects organized by IET(Institution of Engineering and technology),Pune.

Workshop:

- Workshop on Electronic Stethoscope in BEAT-2010
- Hospital Visit arranged by biomedical department in the college.

PERSONAL VITAE

Date of Birth : 7th September 1990

Languages : English, Hindi, Marathi, Gujarati

Sex : Male

Nationality : Indian

Blood Group : O^{+ve}

Relationship Status : Single

I hereby declare that the above mentioned information is correct to best of my knowledge.

DEEP MODI