

NIKHIL P. PATEL

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Objective

"To work with an organization in which I can work with, best of my capabilities & utilize my talent to serve the employer in all possible ways"

Work Experience

Academic : 4.5 Years
Industrial : 1 year

1. Working as a Lecturer in "**B & B institute of technology**" (Grant in Aid), V. V. Nagar from 1st July, 2015
2. Worked as a Trainee lecturer in "**G H Patel College of Engineering & Technology**" (Self finance), V. V. Nagar during July 21, 2012 to May 5, 2015.
3. One year industrial training in "**High-Speed Turbo Drive PVT LTD**", V. U. Nagar during June-2011 to June-2012.

Technical Skills

- ✓ Worked on Raspberry pi, Orange Pi, Udoo, Arduino boards for different applications.
- ✓ Having knowledge of instrumentation regarding sensors, Op-Amps, Biomedical instrumentation.
- ✓ A good *MATLAB programming skills*. Especially in image & signal processing.
- ✓ Sufficient knowledge of "*Raspberry Pi*" programming and interfacing, Internet of things (IoT) with raspberry pi (*webiopi*), *basics of node js for pi*.
- ✓ Digital Logic Design and 8051 microcontroller.
- ✓ Basic Knowledge of C, C++, python, VB, HTML4, css, DHTML, XML, Javascript.

Software's known : Matlab, Scilab, Multisim, Pspice, Proteus for PCB Design, Xilings, keil, LabView, VB, Quartus.

OS Knowledge : Windows 10/8.1/8/7/vista/xp, Debian (Raspbian – Weezy), Ubuntu.

Educational Qualifications

| DEGREE | UNIVERSITY | SCHOOL/COLLEGE | YEAR OF PASSING | MERIT %/CPI/CGPA |
|------------------|------------|-----------------------------|-----------------|--|
| ME (E.C.) | GTU | GCET | July-2014 | 9.14 (First Class with Distinction) :: 86.6% |
| BE (ELECTRONICS) | GTU | BVM | May-2012 | 8.1 (First class with distinction) :: 75.6% |
| HSC (SCIENCE) | GHSEB | RPTP | March-2008 | 90% merit |
| SSC (GENERAL) | GHSEB | M.U.Patel Tech. High school | March-2006 | 84.14 % (100/100 in maths) |

Personal Information

| | | | |
|------------------------------------|--|---|------------------|
| Name: | Patel Nikhilkumar Prakashbhai | | |
| Date of Birth: | 3 rd April, 1991 | Height/Weight | : 178cm / 72 Kgs |
| Nativity & Nationality: | Gujarat, Indian | Marital status | : Married |
| Hobbies: | Sports (Cricket, Badminton chess), Coding, Yoga | | |
| References: | 1. Prof. M.Y.Kantharia I/C HOD, EC Department BBIT, V.V.Nagar,Anand (m): +91-9428437121 | 2. Prof.(Dr.) I. N. Patel I/C Principal, BVM Engg. College, V. V. Nagar, Anand (m): +91-9898034464 | |

Extracurricular Activities/Achievements

Publications

1. A book on **“3D Volumetric visualization of MRI images with improved Marching Cube – A Smart way to diagnose”**, LAP Lambert Academic Publication, Germany, August-2016 [**Author**]. **EAN: 9783659943317**
ISBN : 987-3-659-94331-7 ; ISBN10 : 3659943312
2. A book on **“IoT with Raspberry pi - its application for E-surveillance Robot”**, LAP Lambert Academic Publication, Germany, September-2016 [**Co-author**].
EAN:
ISBN : 978-3-659-94554-0 ; ISBN10 :

Technical Papers

1. An INTERNATIONAL Journal PAPER entitled **“Swift Pre Rendering Volumetric Visualization of Magnetic Resonance Cardiac Images Based On Isosurface Technique”** in 2nd International Conference on Innovations in Automation and Mechatronics Engineering, ICIAME 2014, GCET, V V Nagar, March-2014 with ISSN: 2212-0173.
{Paper Online available at sciencedirect and Published in
ELSEVIER PROCEDIA TECHNOLOGY JOURNAL (Vol.:14, page-422-429)}
2. An INTERNATIONAL CONFERENCE PAPER entitled **“Simulation of Electricity Larceny Detection for Secondary Distribution System using PLCC (Simulation in Multisim)”** in International Conference on Advances in Engineering and Technology-(ICAET 2014), Nagapattinam, Chennai, May-2014.
{Paper will published in IEEE xplore with **ISBN : 978-1-4799-4949-6**}

Expert Talks / Technical Sessions

In Year 2016

1. IEEE and IAS sponsored One-day workshop on “IoT with raspberry pi” with practical session, 6th August, 2016.
2. A Technical Session on “Hardware interfacing with MATLAB (raspberry pi & Arduino) with Practical in TEQIP-II Sponsored two week STTP for faculty members entitled “MATLAB & its application”, 2nd June, 2016.
3. A Technical Session on “IoT using Raspberry pi” with Practical session in TEQIP-II Sponsored STTP on “Embedded system” for students, 20th February, 2016.

4. A Technical Session on “Proteus for AVR microcontroller” with Practical session in TEQIP-II Sponsored on “Embedded system” for students, 19th February, 2016.
5. A Technical Session on “lab. Of Proteus” in TEQIP-II Sponsored one week STTP for faculty members entitled “Electronics Design Automation tools”, 4th January, 2016.

Between year 2013-15

1. The parambh club sponsored one-day workshop on “Unknown Features of MATLAB Part-1 (GUI & .exe development)” – February, 2015.
2. The parambh club sponsored one-day workshop on “Development of raspberry pi”-sensor interfacing with pi using python – October, 2014.
3. One-day workshop on “Foundation steps for Scilab programming and Multisim. (240+ students)- April, 2014.
4. An ISTE Sponsored one-day workshop on "Foundation steps for PCB design using Proteus, Pcbwiz, Protel"- November, 2013.
5. One-day workshop on "GUI development in MATLAB" -Photoshop Prototype creation- September, 2013.
6. One-day workshop on "Foundation steps for Image and Video Processing using Matlab and openCv" - September, 2013.



Projects

1. Dissertation on: “3D rendering of MRI images”, The result was approved by radiologist and based on this, I had published a book. [M.E. Project]
2. A project on: “SCADA panel for Flash Spin Dryer” and it was successfully implemented on real machine with precise working in HI-Speed Turbo Drive PVT LTD. (GIDC, V. U. Nagar). [B.E. Project]
3. A Project guide for “E-Surveillance Robot using Raspberry pi”, based on this we had published a book. [IoT with raspberry pi based]
4. Photoshop type (image enhancement, Filtering, 17 Image operation) GUI (Graphics User Interface) in MATLAB & Standalone (.exe) application development for the same.
5. PCB designed for more than 10 projects in 'PROTEUS'.
6. Bio-Medical signal analysis using matlab (ECG,EOG,EMG)



Others

- ✓ Reviewed an IEEE transection paper on Industrial informatics (impact factor: 8.785) in April, 2015.
- ✓ Received Gold medal for 100/100 marks in maths in 10th standard (regional 1st (Maths)) in year 2005-2006.
- ✓ Got Scholarship of all Year Fees in College for securing 5th rank in 12th standard out of 1500+ student in RPTP (CVM Institute) in year 2008-2012.
- ✓ Organizing committee member of ISSP (DSP based IEEE conference) and Texas instruments Analog Quest-2014.

I am undertaking, the responsibility of all inofrmation provided

NIKHIL P. PATEL
Place: V .V. Nagar

As On 1st September ,2016