

PRATEEK RAJ GAUTAM

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UP-208017



OBJECTIVE

To find some challenging technical problem and acquire knowledge and skills in direction to contribute solving them with my team.

EDUCATION

| Degree/Certificate | Institute/University | Year | Marks |
|---------------------------------------|--|-------------------------|-----------------|
| Ph.D. Full Time (Communication) | Motilal Nehru National Institute of Technology, Allahabad. MNNIT-Allahabad | 2016 <i>Enrolled</i> | <i>Pursuing</i> |
| M. Tech (Electronics & Communication) | Harcourt Butler Technological Institute, Kanpur. (G.B.T.U) | 2011 | 67.55% |
| B. Tech (Electronics & Communication) | Institute of Engineering and Technology, Kanpur. (C.S.J.M.U) | 2008 | 62.00% |
| XII | Kendriya Vidyalaya IIT, Kanpur (C.B.S.E) | 2004 | 58.40% |
| X | Kendriya Vidyalaya IIT, Kanpur (C.B.S.E) | 2002 | 67.40% |

GATE SCORE

| Year | Score | Reg. No. |
|------|----------------------|---------------|
| 2016 | 383 | EC16S35042147 |
| 2014 | 329 | EC503203276 |
| 2013 | 280(2013), 338(2014) | EC 53042287 |
| 2012 | 434 | EC 5460115 |
| 2009 | 380 | EC 5610178 |
| 2008 | 235 | EC 564397 |

RATE 2016

Roll No.: 02130389 Relative Percentage: 60

COMPUTER PROFICIENCY: ADVANCED

| | |
|-------------------|---|
| Platforms: | Dos, Unix, Windows, Linux & Mac. |
| Word Processors: | Microsoft Word, Excel(Advanced), Power Point, LaTeX . |
| Programming: | (8085), C, Matlab , Basic Python, Autoit. GUI development using Tkinter, and python MySQLdb for database . |
| Software's: | AimSpice, LTspice, ActiveHDL, Matlab & Simulink , LabVIEW, Ollydbg, Express PCB, Multisim, Proteus. |
| Hobby skills | CorelDraw, Photoshop, php, WordPress, jQuery, Web Hosting, SolidWorks |
| Software Designed | Free Wifi Hotspot (available online)[platform: widows , Language: python] http://www.thebluelines.in/products/softwares/bluelines-free-wifi-hotspot |

WORK EXPERIENCE

| Joined/ Duration | Institution/ Designation(Dept.) |
|----------------------------|--|
| July2013/ 2.5 Years | Allenhouse Institute of Technology, Kanpur. / Assistant Professor(EC) |
| July2012/ 1 Year | Naraina College Of Engineering & Technology, Kanpur. / Assistant Professor(EC) |
| Feb2011/ 6 Month | I.E.T., C.S.J.M.U. Kanpur. /Guest faculty(EC) |

RESEARCH & PUBLICATIONS

[1] P. R. Gautam. M. Yadav, "Analysis Of Conventional Transmission Loss And Depth Dependence In Context Of Underwater Acoustic Communication," *International Research Journal of Humanities, Engineering & Pharmaceutical Sciences (IJHEPS)*, vol. 1, no. 09, pp. 11 14, 2015.

[2] R. Singh, P. R. Gautam, A. Sharma, "Energy Efficient Design of Multiplexer Using Adiabatic logic," *International Conference on Electronics Design Innovations & Technologies*, vol. 2, pp. 104-107, April 2015.

[3] S. Roy, P. R. Gautam, M. Yadav," QRS Complex Detection and Filtering Of ECG Signal Using Wavelet Transform", *International Journal of Computer Engineering & Applications*, Vol. X, Issue VI, June 2016.

REWARDS & RECOGNITION

- Member Reviewer Board **International Research Journal Of Humanities, Engineering & Pharmaceutical Sciences (IJHEPS)**
- Won drawing competition at school level.
- Won prize for solving size **3 Rubik's cube** in **2.29min** at HBTI.

PROJECT DETAILS OF THE CURRICULUM

Academic seminar: Three dimensional images in air.

Vocational Training:

India Meteorological Department (New Delhi):

Topic: - Reception of Meteorological Payload Data from **INSAT-3A** and **KALPANA-1**

Duration: 6 weeks

Bharat Sanchar Nigam Ltd., (Kanpur):

Topic: - FRS & MDF

Duration: 7 weeks

B. Tech. Project: Strategic Planning & Conferencing System using JAVA and JSP.

M. Tech. Thesis: Generalized One Dimensional Optical Orthogonal Coding Scheme for CDMA Systems with Its Grouping & Performance Analysis using MATLAB

EXTRACURRICULAR ACTIVITIES

- Event manager of the organizing committee of ‘Signal Processing & Real Time Operating System’ SPRTOS-2011 (national conference supported by IEEE-UP section) held at HBTI Kanpur (**responsible for network & system administration**).
- Participation in musical competitions for **solo violin & piano accompany** in college fest at I.E.T. C.S.J.M.U. Kanpur.
- Organized 3 day workshop to design **PCB Layout** using CAD Tools like Express PCB and its schematic using TINYCAD at NCET.
- Active participation in workshop on **VHDL** organized by CITPA.
- Guiding no of projects from Electrical, Electronics & Mechanical students in their M.Tech Thesis on various platforms like **MATLAB, SIMULINK, and LTSPICE**.
- Presented workshop on microcontroller 8051 with its Assembly programming & simulator demonstration.
- Attended complimentary seminar on **Matlab & Simulink for Engg.** Organized by **MathWorks India**

HOBBIES / INTERESTS

Hacking & Debugging, Piano, violin, guitar, mouthorgan, Origami, Rubik’s cube, Juggling, Inline Skating, & Skate Boarding, Slow & still bicycling, & bike stunts, Sketching.

Subjects taught at undergraduate level

1. Digital Electronics./ Switching Theory & Logic Design, Electronic,
2. Analog Integrated Circuits / Analog Integrated Electronics,
3. Measurement & Instrumentation,
4. Analog & Digital Electronics,
5. Electromagnetic Field Theory/ Fundamentals of EM Theory,
6. Microprocessor/Introduction to Microprocessors,
7. Digital Communication,
8. Data Communication Networks,

PERSONAL PROFILE

| | |
|-----------------|--|
| Name | PRATEEK RAJ GAUTAM |
| Father’s Name | SHRIRAM GAUTAM |
| Mother’s Name | ARCHANA GAUTAM |
| Date of Birth | 17 JUNE, 1987 |
| Gender | Male |
| Languages Known | HINDI, ENGLISH |
| Contact Address | E 540/9 AVAS VIKAS (1), KALYANPUR, KANPUR, UP - 208017 |
| Contact No | 09151404899, 7417994557(Father’s), 8604488758(Mother’s) |
| E-mail id | prateekrajgautam@gmail.com |

DECLARATION

I consider myself to be familiar with the various aspects of Electronics and Communication Engineering. I hereby declare that the above information given is true to the best of my knowledge and I bear the responsibility for the correctness of the above mentioned particulars.

Place: Kanpur

August,2016
(Prateek Raj Gautam)

References:

1. Dr. R. C. S. Chauhan
Associate Professor (EC)
PSIT Bhauti Kanpur
E.mail: ram.hbti123@gmail.com
Mob: 9336 050 184
2. Dr. K. Raj
Associate Professor (EC)
HBTI Kanpur
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3. Dr. Manoj Shukla
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