**PRASHANT GOYAL**

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**ACADEMIC QUALIFICATION**

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| --- | --- | --- | --- |
| **YEAR** | **EXAMINATION** | **BOARD/UNIVERSITY** | **%/CGPA** |
| **2017** | M.Tech in Digital Communication | Maulana Azad National Institute of Technology, Bhopal | 8.51/10 |
| **2012** | B.E. in Electronicsand TelecommunicationEngineering | Institute of Engineering and  Technology, DAVV, Indore | 64.44% |
| **2007** | Senior School Certificate Examination | MP Board | 82.60% |
| **2005** | High School Certificate Examination | MP Board | 82.40% |

**RELEVANT COURSES**

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| --- | --- | --- | --- |
| **PG** | Advanced Digital Communication | Optical Communication | Mobile Communication |
| Internet Technology | Detection and Estimation Theory | Digital Image Processing |
| Statistical Signal Processing | B ISDN AND ATM |  |
| **UG** | Semiconductor Physics | Analog and Digital Circuits | Network Theory |
|  | VLSI design | Computer Networks | Data Structures |

**TECHNICAL SKILLS**

**Electronic Packages:**

Simulation Software: Matlab, LtSpice, Multisim

**Languages:**

C++, Java ,Matlab, Assembly Language(8085/51)

**PROJECTS UNDERTAKES**

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| **M.Tech Major Project** | “ Impulse Noise Eradication Using Dual Threshold Median Filter With Boundary Padding”   * Formulating & devising the project to develop a method to analyze different types of noises and filters by Fourier transfer and Forward Difference method. * Output will facilitate engineers to get most of the information from images. |
| **B.E Major**  **Project** | “ Wireless Robot with Audio and Image capturing as well as processing capabilities ”   * Constructed a prototype model Wireless Robot that can be operated wirelessly and able to send video as well as audio data to user, which can be further, processed and get detailed information about surrounding. * Image Processing was done by using Matlab and Android device is used to get images. * Programmed on Philips 8051(P89V51RD2) microcontroller using Assembly Language. * Used Multisim (National Semiconductors) as a simulating software. |
| **B.E Minor**  **Project** | **“Ultra Sonic Radar ”**   * Constructed a device which can senses and detect any obstacles * Use of Microcontroller |
| **Training** | **“Telecom Industrial Training by Esata Engineering Solution & Training Academy, Indore”**   * Learned basics of Communication System and interfacing of various components and sensing devices used Telecom. * “Training Program by PRASAR BHARTI (Doordarshan Kendra) , Indore” * Learned about Antenna’s, Sound and Video processing including Broadcasting (transmission and reception) and Image framing with Audio Enhancement. |

**AWARDS & ACHIEVEMENTS**

**TECHNICAL PUBLICATION**

* Prashant Goyal, V.Cahurasia,“Application of Median Filter in Removal of Random Valued Impulse Noise from Natural Images.”, IEEE conference 2017, Coimbatore, Tamilnadu.
* Prashant Goyal, V.Chaurasia, O.P. Meena” Random valued impulse Noise Removal with Zero’s padding by Adaptive Dual Threshold Median Filter” IEEE Conference, RISE-2017, Held at NIT-MANIT, Bhopal.
* 3rd prize, POSEIDON (water robot), held at IIT Indore Campus, Indore  
  Constructed ‘Electro Mechanical Bot’ to compete against in water pool with the 25 other models.

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**EXTRACURRICULAR ACTIVITIES**

**TECHNICAL/ WORKSHOPS:**

* Active member of IEEE student Branch, NIT Bhopal.
* Participate in Training program on “Circuit Simulation and modeling “at MANIT.
* Participate in Training program on “Advances in optical communication and technology “at MANIT.
* Participate in workshop on “Swarn Robotics-Nexus’ organized at IIT Powai.

**SOCIAL ACTIVITIES:**

* Successfully Participate in AkhilBhartiya Sanskrit GyanPariksha and secure first position in city.

**EXPERIENCE**

* Maths and Physics to 11th and 12th class at Sardar patel public school, Biaora Dist-Rajgarh(M.P.) in 2012-13
* Maths and Physics to 12th class student at bhopal as a home tutor in 2016-17.
* Physics to 11th, 12th , NEET and Nursing student at Balaji Tutorial, Bhawarkua, Indore(M.P.) in 2018-19

**PERSONAL DETAILS**

**Name** : Prashant Goyal

**Father’s Name** : Late Shri Chandra Shekhar Goyal

**DOB** : 15 August 1989

**Marital Status** : Single

**Current Address** : C/O Kailash Choudhary, 12/1, Shanti nagar  
 Indore (M.P.) – 452006.