

UDAYA PRATAP SINGH

Assistant Professor

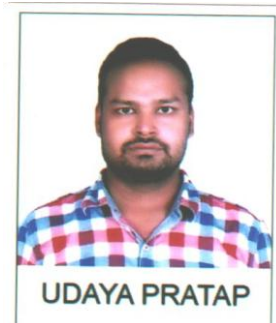
Department of Electronics and Communication,

KIPM College of Engineering

Gorakhpur, Uttar Pradesh.

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PROFILE SUMMARY

- Strong theoretical background in the basic subjects with high practical, theoretical, analytical & intuitive skills.
- An innovative and knowledgeable professional having **13 years of experience** in teaching.

EDUCATION

- M.Tech in Electronics & Communication from **NIT Jalandhar** with 7.63 CGPA (2013-2015).
- B. Tech in Electronics & Communication from **ITM Gorakhpur** affiliated to Gautam Buddh Technical University (2006-2010).
- HSC from N.E.RLY.S.S.SCHOL affiliated to CBSE Board in 2005.
- SSLC from N.E.RLY.S.S.SCHOL affiliated to CBSE Board in 2003.

TEACHING EXPERIENCE

- **More than thirteen years of teaching experience in engineering colleges .**
- Lecturer in Dr. M. C. Saxena College of Engineering & Technology (U.P).
(July 2010 – June 2013)
- **Assistant Professor** in Indus Institute of Technology & Management, Kanpur (U. P.)
(February 2016 – July 2023)
- PGT Physics in Springer Loretto Girls school ,Gorakhpur(U.P)
(August 2023- august 2025)
- **Currently working in KIPMCET Gorakhpur.**

INDUSTRIAL TRAINNING

- **Summer Trainning in Indian Railways**
Location: Gorakhpur signal and telecommunication office.
- Attended five days Seminar on **“Industry-Institute interaction under TEQIP-II”**.
- Attended one week short term course on **Medical signal processing and its interpretation under TEQIP-II”**.
- Attended one week short term course on **“Electronics & Communication System Design Aspects”**.

- Attended four week summer training programme on “**VHDL Programming**”.

BASICS SKILLS

- Proficient in using Microsoft Office tools.
- Good inter-personal skills.
- Basic knowledge of MATLAB, VHDL & Verilog .
- Project Management & Good Communication skills.
- Ability to work as an individual as well as in a team.
- Basic knowledge of LATEX .
- Excellent explanation skills.

PUBLICATIONS

- One **IEEE** paper Published Under International Conference On Next Generation Computing Technologies-2015 held at Dehradun(U.K). Paper titled “ECG Compression Using Compressed Sensing with Lempel-Ziv-Welch Technique”.
- One **IJERGS** paper titled “ A review A review on gas sensors for environment monitoring using electronic sensors for detecting pollution due to solid waste gases”.

TEACHING INTERESTS

SUBJECTS: Mathematics and Physics, Electronics Devices & Circuits, Electromagnet Field Theory, Basic Electronics, Switching theory and logic design, Communication System, Basic Electrical engineering etc.

LABORATORIES: Physics lab, Basic Electronics lab, Digital Electronics lab etc.

RESEARCH INTERESTS

- Biomedical signal processing & Image processing.

RESPONSIBILITY HANDELD

- **Assistant hostel warden for first year student’s wing.**
- **Head member of admission cell.**
- **Assistant sports in-charge.**
- Class Representative during M.TECH (ECE)
- Organising member in TEQIP-2 held at NITJ, and in various activities.
- Person of contact in NITJ for NIT Trichy (M.TECH, ECE).
- Supervised “**Digital Signal Processing**” laboratory for B.Tech 3rd year student during teaching assistance ship .
- Supervised “**Basic Electronics**” laboratory for B.Tech 1st year student during teaching assistance ship .

OTHER ACTIVITIES

- **Qualified Graduate Aptitude Test in Engineering (GATE) –Four times.**
- Recipient of GATE scholarship provided by Department of Higher Education, Ministry of Human Resource Development (MHRD), Government of India.
- Project on Synchronization of two devices using FIFO.
- Presentation on WiBRO the WiMAX System.
- Completed 12,000 words thesis on “*ECG compression using Compressed Sensing Technique*” under the guidance of Dr .R.K.Sunkaria, Assistant Professor at NIT Jalandhar.
- *Project Work and presentation on “Bidirectional Automatic Railway Gate Controlling” at ITM Gorakhpur.*

PERSONAL DETAILS

- *Date of Birth:* 03rd February 1988.
- *Languages:* Hindi and English.
- *Hobbies:* Interaction with students, teaching, reading books, learning new things, Event management, Reading articles on the Internet.
- *Permanent Address:* Lig-2 Q.No-363 Vikas Nagar Bargadwa Gorakhpur(U.P) 273007.

REFERENCES

- **Dr Ramesh Kr Sunkaria**
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National Institute of Technology Jalandhar, India
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- **Dr Balwinder Raj**
Assistant Professor,
National Institute of Technology Jalandhar, India
Email: rajb@nitj.ac.in
Telephone: +91-7589480655.
- **Anoop Singh**
HOD, Department of pharmacy
Dr. M. C. Saxena College of Pharmacy

DECLARATION

I hereby declare that the above-mentioned information is true to the best of my knowledge and I bear full responsibility of the correctness of the above-mentioned particulars.

Date:
Place: Gorakhpur

Udaya Pratap Singh