

Curriculum Vitae (CV)

Nagwan Ibrahim Tawfik Ibrahim



**Personal Information:**

**Academic Rank:** PhD. in Electronics and Communications Engineering, Faculty of Engineering, Zagazig University, Zagazig, Egypt.

**Department:** Electronics and Communication.

**Specialization:** Optical wireless communication.

**Position:** Assistant professor at higher Technological Institute 10<sup>th</sup> of Ramadan City.

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**Google scholar :** <https://scholar.google.com/citations?hl=ar&user=KlhqKfwAAAAJ>

**Research gate :** <https://www.researchgate.net/profile/Nagwan-Ibrahim-3>

**ORCID Record :** <https://orcid.org/my-orcid?orcid=0009-0005-6149-4635>

## Education:

Degree	Discipline	Institution	Year
B.Sc.	Electronics and Communication Engineering	Zagazig University- Faculty of engineering	2008
M.Sc.	Electronics and Communication Engineering	Zagazig University- Faculty of engineering	2016
PhD.	Electronics and Communication Engineering	Zagazig University- Faculty of engineering	2024

## Experience:

**Institution:** Higher Technological Institute (HTI), 10<sup>th</sup> of Ramadan City, Egypt.

**Rank:** Research Assistant (Ph.D. Student)

**Dates:** 2017 until now.

**Institution:** Higher Technological Institute (HTI), 10<sup>th</sup> of Ramadan City, Egypt.

**Rank:** Teaching Assistant

**Dates:** 2009

## Research interests:

- Wireless communication
- Optical Wireless Communication.
- Visible Light Communication
- Vehicular Visible Light Communication.
- Signals and Systems.

## **Publications:**

1. N. I. Tawfik, W. S. Eldeeb, M. B. El-Mashade, A. E. Abdelnaiem ” Optimization of uniform fiber Bragg grating reflection spectra for maximum reflectivity and narrow bandwidth”. International Journal of Computational Engineering Research (IJCER), vol. 5, no. (2), pp. 53-61 (2015).
2. Mohamed B. El-Mashade, A. E. Abdelnaiem, W. S. El-Deeb and N. I. Tawfik. “Analysis of Weak and Strong Fiber Bragg Grating”, British Journal of Applied Science & Technology (BJAST), vol. 10, no. (6), pp. 1-10 (2015).
3. E. S. El-Mokadem, N. I. Tawfik, M. H. Aly, and W. S. El-Deeb, “Design and performance evaluation of vehicular visible light communication system under different weather conditions and system parameters,” Opto-Electronics Review, vol. 31, e145580-e145580 (2023).
4. N. I. Tawfik, E. S. El-Mokadem, M. H. Aly, W. S. El-Deeb, “Non-Line of Sight Analysis for Vehicular Visible Light Communication System: Impact of Artificial Light Source and Weather Conditions,” Opto-Electronics Review, vol. 32, issue 2 (2024).

## **Certifications or Professional Registrations:**

- Effective teaching and learning strategies for colleges and institutes of higher education
- Exam systems and student assessment for colleges and institutes of higher education
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## **Teaching Experience:**

### **Courses Taught:**

- Electric circuits.
- System analysis
- Electronic lab (1)
- Communication 1
- Communication 2
- Communication lab.
- Digital signal processing
- Signals and systems
- Computer skills
- Electrical circuits lab.