



# NEW HORIZON COLLEGE OF ENGINEERING

**DEPARTMENT OF CSE - DATA SCIENCE**

**Self-Organizing Networks (SONs) in 5G using AI**

**Venue: Room C203**

**Time - 11:00AM-1:00PM**



Department of Computer Science and Engineering (Data Science)

## Expert Talk

# Self Organising Networks (SONs) in 5G using AI



9<sup>th</sup> May 2025



11:00 AM - 01:00 PM



Room C-222



6<sup>th</sup> Semester Students

Coordinator

**Ms. Swati Sehgal**

Assistant Professor- CSE (DS)

Convenor

**Dr. B Swathi**

HoD-CSE (DS)



**Ms. Swati Garg**

Product and Solution Manager  
Radisys, Bengaluru



On the 9<sup>th</sup> of May 2025, the Department of Computer Science and Engineering (Data Science) organized a workshop on “Self-Organizing Networks (SONs) in 5G using AI” exclusively for 6th Semester students.

The workshop aimed to introduce students to the cutting-edge technologies behind 5G networks and how Artificial Intelligence plays a crucial role in making these networks intelligent, autonomous, and adaptive. This initiative was part of the Department’s ongoing efforts to bridge academic learning with industry trends, encouraging students to explore emerging fields such as Network Automation, AI-driven Optimization, and next-generation wireless systems.





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The objective of the workshop was to introduce students to the fundamentals of 5G technology and how Artificial Intelligence (AI) is integrated into Self-Organizing Networks to enhance Network Efficiency, Fault Management, and Automation. The session covered key concepts such as self-configuration, self-optimization, and self-healing in modern mobile networks.

Students gained valuable insights into real-world applications of AI in telecom, equipping them with knowledge relevant for future careers and projects in the field of data science and wireless communication.

Students actively participated in the session and showed great interest in the practical applications of AI in telecom. The workshop enhanced their understanding of how AI contributes to the automation and optimization of next-generation networks, preparing them for future opportunities in Networking, AI, and Data Science domains.



**Faculty Coordinator**

**Assistant Professor**

**SWATI SEHGAL**



**Convenor**

**HoD-CSE-DS**

**Dr. BASAVARAJU SWATHI**