

Artificial Intelligence

Recommended Text Books:

1. Artificial Intelligence: A Modern Approach by Russell & Norvik, Pearson, 2003.
2. Principles of AI - Nilsson
3. Machinery Condition Monitoring: Principles and Practices, Amiya Ranjan Mohanty, 2014
4. The Python Tutorial — Python 3.10.4 documentation
<https://docs.python.org/3/tutorial/index.html>
5. Programming, Data Structures And Algorithms Using Python – NPTEL Course
https://onlinecourses.nptel.ac.in/noc22_cs70/preview

Reference Books:

1. IHO Manual on Hydrography (C-13), Chapter 3 -Depth Determination (https://iho.int/uploads/user/pubs/cb/c-13/english/C_13_Chapter_3_December2010.pdf)
2. IHO Manual on Hydrography (C-13), Chapter 4 – Seafloor Classification & Feature Detection (https://iho.int/uploads/user/pubs/cb/c-13/english/C-13_Chapter_4.pdf)
3. Introduction to Remote Sensing (<http://hillagric.ac.in:999/downloads/gis/notes/4-IntroductiontoRemoteSensing.pdf>)

Reference Papers:

1. Ali, Yasir Hassan. "Artificial intelligence application in machine condition monitoring and fault diagnosis." *Artificial Intelligence: Emerging Trends and Applications* 275 (2018).
2. Xu, Xiaojian, et al. "Review of condition monitoring and fault diagnosis for marine power systems." *Transportation Safety and Environment* 3.2 (2021): 85-102.
3. Theissler, Andreas, et al. "Predictive maintenance enabled by machine learning: Use cases and challenges in the automotive industry." *Reliability engineering & system safety* 215 (2021): 107864.
4. Famakinwa, Ayo, and Tadahiro Shibutani. "Condition-Based Monitoring for Marine Engine Maintenance by Analyzing Drain Cylinder Oil Sample." *Tribology Online* 17.2 (2022): 71-77.
5. Condition Monitoring Based On Fmeca: A Case Study Of Sensors Specifications For Maritime, Shan Guan, Knut Erik Knutsen, and Øystein Åsheim Alnes, Proceeding of MFPT 2017, *Society for Machinery Failure Prevention Technology*
6. Johansen, Sigrid S., and Amir R. Nejad. "On digital twin condition monitoring approach for drivetrains in marine applications." *International Conference on Offshore Mechanics and Arctic Engineering*. Vol. 58899. American Society of Mechanical Engineers, 2019.
7. Awadallah, Mohamed A., and Medhat M. Morcos. "Application of AI tools in fault diagnosis of electrical machines and drives-an overview." *IEEE Transactions on energy conversion* 18.2 (2003): 245-251.