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Self-perceived impact of digital information literacy and AI tools on maritime university studies

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Abstract Summary :

This study examines the digital information literacy and the impact of digital tools on maritime studies in Greek universities, addressing gaps in the literature regarding their information behavior and barriers. A survey of 334 students was conducted using a structured questionnaire. The analysis highlights that students prioritize the perceived impact of different AI tools for academic success and career development. The analysis showed that maritime students recognize the need of digital competences in completing their studies and the great impact on their profession. Furthermore, digital seminars compliant with European Union's DigComp framework are recommended to enhance digital competences, aligning with industry 4.0 demands. This research contributes to the understanding of the intersection of digital literacy and maritime education, emphasizing on the need of specific interventions to equip students with advanced competences for a digitally transforming maritime sector to ensure students remain competitive by using AI tools in proficiency level and adaptable in their professional roles in the future. Simultaneously, this study examines the contribution of the use of AI tools in maritime information, according to maritime students' perceptions.

Author Name : Anastasia Konstantinou ¹ *

Username : nkonstantinou@ionio.gr, **Email :** nkonstantinou@ionio.gr, **Status :** Published

Author Name : Petros Kostagiolas ²

Username : pkostagiolas@ionio.gr, **Email :** pkostagiolas@ionio.gr, **Status :** Published

Author Name : Virginia Zarakeli ³

Username : virginiazarakeli@gmail.com, **Email :** virginiazarakeli@gmail.com, **Status :** Published

Author Name : Matthew Damigos ⁴

Username : mgdamigos@ionio.gr, **Email :** mgdamigos@ionio.gr, **Status :** Published