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Applying AI and IoT to Enhance Eye Vision Assessment, Early Detection of Eye Diseases, and Personalised Vision Correction

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Abstract : This research paper investigates the use of artificial intelligence (AI) and the Internet of Things (IoT) to improve eye healthcare; it concentrates on eye vision assessment, early discovery of eye ailments, and individualised vision correction. The study offers a broad review of literature and methodology; it features vital findings and inferences for advancing patient results, boosting admittance to care, elevating resource apportionment, and directing future research and practice. The study concluded that the assimilation of AI and IoT advancements provides progressive answers to traditional hurdles in eye healthcare, guaranteeing more precise, comprehensive, and individualised interventions for patients globally. The study emphasizes the significance of sustained innovation and the application of AI and IoT-driven methodologies to improve eye healthcare and vision for forthcoming generations.

Keywords : AI, IoT, eye vision assessment, computer engineering
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