



**ΔΗΜΟΚΡΙΤΕΙΟ ΠΑΝΕΠΙΣΤΗΜΙΟ ΘΡΑΚΗΣ**  
**ΣΧΟΛΗ ΚΛΑΣΙΚΩΝ ΚΑΙ ΑΝΘΡΩΠΙΣΤΙΚΩΝ ΣΠΟΥΔΩΝ**  
**ΤΜΗΜΑ ΕΛΛΗΝΙΚΗΣ ΦΙΛΟΛΟΓΙΑΣ**  
σε συνεργασία με το  
**ΕΘΝΙΚΟ ΚΕΝΤΡΟ ΕΡΕΥΝΑΣ ΦΥΣΙΚΩΝ ΕΠΙΣΤΗΜΩΝ**  
**«ΔΗΜΟΚΡΙΤΟΣ»**  
**ΙΝΣΤΙΤΟΥΤΟ ΠΛΗΡΟΦΟΡΙΚΗΣ ΚΑΙ ΤΗΛΕΠΙΚΟΙΝΩΝΙΩΝ**

ΔΙΙΔΡΥΜΑΤΙΚΟ ΠΡΟΓΡΑΜΜΑ ΜΕΤΑΠΤΥΧΙΑΚΩΝ ΣΠΟΥΔΩΝ:  
ΕΞΕΙΔΙΚΕΥΣΗ ΣΤΙΣ Τ.Π.Ε. ΚΑΙ ΕΙΔΙΚΗ ΑΓΩΓΗ – ΨΥΧΟΠΑΙΔΑΓΩΓΙΚΗ ΤΗΣ ΕΝΤΑΞΗΣ

**ΜΕΤΑΠΤΥΧΙΑΚΗ ΔΙΑΤΡΙΒΗ**

**ΧΡΗΣΗ ΕΦΑΡΜΟΓΩΝ ΤΕΧΝΗΤΗΣ ΝΟΗΜΟΣΥΝΗΣ ΣΤΗΝ ΔΥΣΛΕΞΙΑ**

Ευθύμιος Ζάκκας, Α.Μ.: 748

Μεταπτυχιακή διατριβή που υποβάλλεται στην τριμελή επιτροπή για την απόκτηση του μεταπτυχιακού τίτλου του Προγράμματος Μεταπτυχιακών Σπουδών Εξειδίκευσης του Τ.Ε.Φ. – Δ.Π.Θ. σε συνεργασία με το Ε.Κ.Ε.Φ.Ε. Δημόκριτος – Ινστιτούτο Πληροφορικής και Τηλεπικοινωνιών με τίτλο: «Εξειδίκευση στις Τ.Π.Ε. και Ειδική Αγωγή – Ψυχοπαιδαγωγική της Ένταξης»

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## ΠΕΡΙΛΗΨΗ

Η χρήση εφαρμογών τεχνητής νοημοσύνης, όπως αυτή καταγράφεται στον τομέα της εκπαίδευσης και στην καθημερινότητα των ατόμων με ειδικές μαθησιακές δυσκολίες και των εκπαιδευτικών τους, αποτελεί ένα εξελισσόμενο εργαλείο παρέμβασης για την αντιμετώπιση διαφόρων γνωστικών ελλειμμάτων. Η δυσλεξία συνδέεται με την εμφάνιση συστηματικών ελλειμμάτων στην ανάγνωση, στη γραφή ή και στον μαθηματικό συλλογισμό, με αποτέλεσμα να καθίσταται ουσιώδης η εξατομίκευση της μαθησιακής διαδικασίας και των υποστηρικτικών ως προς την κατάκτηση της γλωσσικής γνώσης τεχνολογιών. Με την παρούσα βιβλιογραφική ανασκόπηση επιστημονικών άρθρων προσδιορίζονται οι λειτουργίες λογισμικών τεχνητής νοημοσύνης που επιδρούν ενισχυτικά στις επηρεαζόμενες από τη δυσλεξία φωνολογικές δεξιότητες. Τα αποτελέσματα δείχνουν πως η χρήση των συγκεκριμένων νέων τεχνολογιών αξιολογείται θετικά ως στρατηγική παρέμβασης. Έτσι εξάγεται το συμπέρασμα ότι οι εφαρμογές τεχνητής νοημοσύνης δύνανται να παρέχουν πολυμεσικές δυνατότητες που με την κατάλληλη καθοδήγηση των εκπαιδευτικών ανταποκρίνονται στα μαθησιακά χαρακτηριστικά κάθε ατόμου με διάγνωση δυσλεξίας.

**Λέξεις-κλειδιά:** ICTs, artificial intelligence, learning disabilities, dyslexia

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