



**IDENTIFICATION OF RARE GENETIC MUSCULAR DYSTROPHY  
FROM GENE SEQUENCES AND MUTATION BASED FEATURES  
THROUGH SHALLOW AND DEEP LEARNING**

Thesis submitted to  
**BHARATHIAR UNIVERSITY**  
for the award of the degree of  
**DOCTOR OF PHILOSOPHY**  
in  
**COMPUTER SCIENCE**

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**PSGR KRISHNAMMAL COLLEGE FOR WOMEN**

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