



# INTERNATIONAL RESEARCH JOURNAL OF COMMERCE, ARTS AND SCIENCE

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THIS CERTIFIES THAT

**VIBHA PRATAP**

HAS/HAVE WRITTEN AN ARTICLE / RESEARCH PAPER ON  
**EARLY DETECTION OF PCOS UTILIZING OVERSAMPLING AND UNDERSAMPLING ACROSS  
SEVERAL MODELS VIA MACHINE LEARNING**

APPROVED BY THE REVIEW COMMITTEE, AND IS THEREFORE PUBLISHED IN

Vol – 14 , Issue – 8 Aug , 2023



Editor in Chief





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