

# **OFFLINE SIGNATURE VERIFICATION USING FUZZY BEZIER CURVE**

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## **ABSTRACT**

Verification of offline signature is build using fuzzy Bezier curve. Objective of the study was to apply fuzzy Bezier curve model towards offline signature. This study models the uncertainty data points based on the fuzzy set theory towards offline signature. Fuzzified offline signature is constructed through fuzzification process. Next, defuzzify offline signature is modelled through the defuzzification process to-wards fuzzy data points of the fuzzify offline signature model. The purposed of this defuzzification is to get single value and single signature. The process of finding an error is to test and verify the usability of the model built. An error is obtained by comparing the deffuzzified model of offline signature with crisp model and crisp model of offline signature with other four sample signature. The signature with smallest error will be choose to be an offline signature verification.