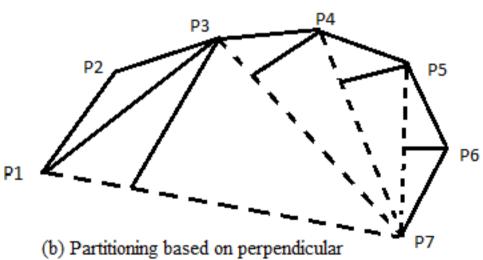


(a) approximate path



(b) Partitioning based on perpendicular distance