

- Segmented approach using grid base matching
- Split fingerprint into grids and have relative ranking for each grid
- Map grids between two fingerprints with a relative matching score
- Ex, split the fingerprint into 20 grids and have 20 different matching scores then average them out or sum them
- Weighted aggregation based on significance
- Split up into different modules: centering the fingerprint, singularity, terminations and bifurcations
- Two different approaches: a score for the whole fingerprint and a score for the segmented fingerprint
- Build a model with density based approach, certain regions of densely populated minutae points, only focus on those regions/grids and try to match them as best as possible and see what the best matching score is
- Statement Proposal: A comparative study of grid based and fingerprint level and grid level matching. What I propose, we do high density grid-based segmentation and we match those segments rather than the whole fingerprint and see how the results turn out.