OBJECTIVES:

1. It is proposed to prepare Schiff's bases by taking different aromatic amines for this purpose salicylaldehyde, p-anisaldehyde, 2-amino-3-methyl Pyridine, 2-amino Pyridine may be used.

2. Schiff’s bases are prepared by taking any of the above amine & refluxing it with Aldehyde in a soluble solvents like ethanol, n-hexane.

3. Elucidate the structure of prepared nitrogen ligand by IR, NMR & Mass Spectral studies.

4. To observe the inhibition effect of Schiff’s bases on different metal like Fe, Al & Cu in different acid likes HCl, HNO₃ & H₂SO₄.

5. Studies will be carried out different concentration of acid as well as Schiff’s bases.

6. Corrosion inhibition efficiency of the compound will the calculated by mass loss Method method.