

# CHAPTER I

## LOCALLY COMPACT SPACE

IN the Bourbaki's point of view, the only measure that worth to investigate should be defined as a Functional (continuous linear form) over  $\mathcal{K}(X, \mathbb{R})$  (space of continuous function with compact support) , and in order to obtain sufficient many of continuous function with compact support,  $X$  should be quipped with some property, Locally compact will satisfied with this request.