Natural products have progressively extending it emphasize from being used as vegetative sources to medicinal uses since many era. At present scenario the natural products especially for the plant kingdom are considered to be a major source of alternative medicine to its counterpart of allopathic system of medicine. These natural products which also embrace the medication acquired for plant, marine, microbial and animal demesne, among then the plant derived phytochemical plays an essential role in eradicating many ailments related to the common to chronic ailments. At present it is estimated that the natural product (phytochemical) is being used worldwide up to seventy to eighty percentage of the world population (WHO), it is also estimated that the numerous amount of holistic remedy have entered to the clinical trials.

Since there is increasing number of population moving towards the holistic medicine due to the augmented integer side effect towards the allopathic or synthetic medication. The developed and under developed countries are migrating toward the holistic medicine since these medicines “restorative exemplary” of holistic treatment, which accentuates the multifaceted relationship among multiple elements, linked to spiritual, ecological, biological and psychosomatic as divergent to the biomedical archetypal which eases ailment to a fracas
in biochemical progression and relies comprehensively proceeding to “therapeutic exemplary” of healthier life style.

At present the natural products and its related research have made the researcher to understand the possible mechanism by which the plant derived phytoconstituent work towards particular ailments. Since the complexity and the multi pharmacological activity of these phytochemical have leads the medicinal researcher to extend the research toward the isolation of lead chemical response for the pharmacological action.

Hence the current investigation to conduct ethno-botanical assessment on ethnic medicinal plants of Anantapur district and exploring its therapeutic values with primarily emphasize on therapeutic plants used for the management of antidiabetic, obesity, antimicrobial, worm infection and to explore phytochemical and pharmacological implication by adopting appropriate methods of investigations to establish a scientific data’s on unreported medicinal plants.