3.1. Aim of the study

♦ To develop scientifically validated herbal Nutraceutical

3.2. Objectives of the Study

♦ To conduct literature review on plants used in Ayurveda and Siddha systems of medicine from Nutraceutical point of view and to select plants with high Nutraceutical potentials

♦ To determine the physicochemical standards of the extracts of the plants selected for the development of herbal Nutraceutical

♦ To carry out preliminary phytochemical analysis and quantify major chemical constituents

♦ To quantify the metals, minerals and organic compounds present using X Ray fluorescence spectroscopy, flame photometry, atomic absorption spectroscopy, high performance thin layer chromatography and GC-MS techniques

♦ To evaluate nutritional and biochemical profiles

♦ To determine toxicity profiles

♦ To develop herbal Nutraceutical formulation

♦ To validate Nutraceutical potentials of the developed Nutraceutical formulation and to arrive at a cost effective, human friendly herbal Nutraceutical

3.3. Scope of the study

♦ Present study will find applications in the development of quality Phytonutraceutical

♦ The present work will contribute towards the sustainable utilization and exploration of the natural resources especially plants for socio-economic upliftment of the India’s population through developing and marketing quality human compatible herbal Nutraceutical

♦ Besides can also contribute in the health care of human society in an ecofriendly herbal way