**KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS)**

Re-accredited to NAAC With “A+” Grade (4th Cycle)

College of Excellence (UGC)

Coimbatore – 641 029.

**DEPARTMENT OF BIOCHEMISTRY (PG & RESEARCH)**

**PROGRAMME SPECIFIC OUTCOMES (PSOs) OF M.Sc., BIOCHEMISTRY**

**For the students admitted in the year 2021-22**

**PSO1:** Understanding of structure and metabolism of macromolecules, regulation and disorders of metabolic pathways.

**PSO2:** Investigate the impact of science in society and plan to pursue research

**PSO3:** Gain proficiency in laboratory techniques in both biochemistry and molecular

biology and be able to apply the scientific method to the processes of experimentation and Hypothesis testing.

**PSO4:** Understand the application of biochemistry in clinical laboratory.

**PSO5:** Acquire thorough knowledge in biochemical techniques, immunology, physiology, molecular biology, genetic engineering and biotechnology.

In general the PG biochemistry programme outcome (PO) will presume the question and will give capability to evaluate, solve the problems and widen the integrate knowledge and perspective. The course outcome will also inculcate the students knowledge to understand that communication comprises attentiveness and listening, reading and comprehension, to communicate and collect information through oral and written formats and also to apply contemporary research methods, skills and techniques in a scientific discipline.

The programme specific outcome (PSOs) has been discussed and designed in such way that the programme will be the one of the outstanding outcome for the division of medicine to contribute in both national and international levels. The outcomes in pursuance were to investigate the impact of science in society and plan to pursue research, to understand the application of biochemistry in clinical laboratory, to acquire thorough knowledge in biochemical techniques, immunology, physiology, molecular biology, genetic engineering and biotechnology and also to gain proficiency in laboratory techniques in both biochemistry and molecular biology and be able to apply the scientific method to the processes of experimentation and Hypothesis testing. Similarly the course outcome (CO) also designed in such a way to analyze and study the chemical and biochemical methods in biochemistry so that the students will be able to enter into drug design and pharmacogenetics field.