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CHILKUR BALAJI COLLEGE OF PHARMACY

(Approved by AICTE – New Delhi, Govt.of Telangana &Affiliated to JNTU-Hyderabad.)

R.V.S.Nagar, Aziz nagar(post), Moinabad Road,Near: T.S.Police Academy

HYDERABAD – 500 075.

PROGRAM SPECIFIC OUTCOMES (PSO'S)

| PSO's of B.PHARMACY COURSE | |
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| PSO1 | Fundamental knowledge in the process of turning a new chemical entity or old drug into a medication to be used safely and effectively by patients |
| PSO2 | Study the physical, chemical, biochemical and biological properties of drugs, drug substances or potential drugs of natural origin as well as the search for new drugs from different natural sources. |
| PSO3 | Study the interactions that occur between a living organism and chemicals that affect normal or abnormal biochemical function. |
| PSO4 | Command on rules and regulations of pharmacy, pharmacy practice and also relating to drugs and pharmaceuticals. |
| PSO5 | Acquire knowledge on identification , determination, separation , purification and structure elucidation of given compound used in the formulation of pharmaceutical products |
| PSO6 | Acquire knowledge on pharmaceutical disciplines useful to improve the outcome of drug therapies , assist drug product development and establish pharmacokinetic models and invitro invivo correlations. |
| PSO7 | Focus on molecular aspects of drug action , interactions with drug targets, relationships of drug chemical structure to drug action and the effect of metabolism on the drug structure and hence its action. |

PSO'S OF PHARM.D COURSE

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| PSO1 | Apprehend various drug distribution methods, know the professional practice management skills in hospital pharmacies. |
| PSO2 | Dispense unbiased and authentic information's to all the stakeholders of health, appreciate practice-based research methods, and appreciate stores management and inventory control. |
| PSO3 | Contrive personalized therapeutic strategies based on diagnosis, observing treatment, time-course of clinical and laboratory indices of therapeutic response and adverse effects. |
| PSO4 | Elucidate patient care in performing medication history, interpretations of laboratory data, categorizing potential-medicine related impacts of Pharmacotherapy. |
| PSO5 | Concede the clinical aspects of drug development, such as phases, ethical issues, and roles and responsibilities of clinical trial personnel and able to design clinical study documents, data management and safety monitoring in clinical trials. |
| PSO6 | Relinquish the services to the public by providing patient centric effective treatments to curb the therapeutic issues with the required medicines and explain the effects of the drugs. |

| PSO'S OF M.PHARMACY COURSE | |
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| PSO1 | To set forth theoretical and practical knowledge among students in the various fields of pharmaceutical sciences , pharmaceutics , pharmaceutical chemistry , pharmacology and pharmacognosy. |
| PSO2 | To ameliorate practical skills of students through industrial training and research to confront the pharmaceutical field. |
| PSO3 | To acquaint the students with fundamental regulatory aspects of pharmaceutical Professionals, Industry, Education and Practice. |
| PSO4 | To boost knowledge and skills on criteria for selection of drugs, dose calculations, dose adjustments by applying biopharmaceutics theory, pharmacokinetic and bioequivalence models which gives technical skill knowledge, invitro invivo studies using computer simulations and population modellings. |
| PSO5 | To expand the knowledge in technical and professional careers in various pharmaceutical industry/institution/health care system through concurrent meticulous education. |
| PSO6 | To plan the modern tools to integrate health care systems. Design an effective product with commercial advantage and societal welfare, execute risk and become an entrepreneur. |

| PSO'S OF M.PHARMACY (PHARMACEUTICS) | |
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| PSO1 | Will develop an ability to undertake multidisciplinary tasks in the pharmaceutical quality system. |
| PSO2 | Can identify and resolve the research problems by utilizing the technical skill gained through training and experimentation. |
| PSO3 | Execute team based research to implement innovative solutions in the area of formulation, quality assurance and technology transfer. |
| PSO4 | Know the basic and advanced scientific facts and principles along with skills in design and development of novel drug delivery systems. |

| PSO'S OF M. PHARMACY (PHARMACEUTICAL ANALYSIS) | |
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| PSO1 | Can apply the principals involved in determination with addition to theoretical aspects, basic practical knowledge in modern analytical techniques. |
| PSO2 | Will be able to apply various analytical techniques in determination of food constituents and finished food products. |
| PSO3 | Can comprise the aspects of spectral analysis, dissolution parameters etc. and quantitative determination of various organic compounds. |
| PSO4 | Will acquire knowledge on various types of phytoconstituents on the basis of chemistry data. |

