Arya College of Pharmacy

PROGRAM OUTCOME		
1.	**Pharmacy Knowledge**	The graduate student shall exhibit knowledge in the field of pharmacy and allied subjects of life sciences.
2	**Planning Ability**	The graduate students will exhibit ability of understanding, and offer remedial solutions in pharmaceutical industries, health sectors.
3	**Problem Analysis**	The graduate students will exhibit the ability to conduct, analyze and understand the scientific data of pharmaceutical industries in area of Manufacturing, Quality control, Quality Assurance, Marketing Management and Clinical Research.
4	**Modern Tool Usage**	The graduate students will exhibit the ability to learn, select and apply appropriate procedure, resources in the area of Manufacturing, Marketing and Quality control. The graduate students will implement newly implemented software to solve the problems in the above areas.
5	**Leadership Skills**	The graduate students will exhibit the ability to understand and consider the human reply , leadership and team building as and when the planning changes which is required for accomplishment in the area of Manufacturing, Marketing and Quality control and Assurance, practice , professional and societal responsibilities.
6	**Professional Identity**	Understand, analyze and communicate the value of their professional roles in society (e.g. health care professionals, promoters of health, educators, managers, employers, employees).
7	**Pharmaceutical Ethics**	The graduate students shall maintain the high professional identity and render the services in the society as per the ethics and moral value given in Pharmacy oath and pharmaceutical jurisprudence
8	**Communication**	The graduate students will be able to communicate the policies of the industries, academic and healthcare departments to the society through effective communication through verbal and written.
9	**Pharmacist and Society**	The graduate students will apply reasoning informed appropriate knowledge to improve the drug safety and action through patient counselling.
10	**Environment and Sustainability**	The graduate students will understand and communicate the importance of professional pharmacy practice solutions in society and environmental issues.
11	**Lifelong learning**	The graduate students will exhibit confidence for self education and ability for lifelong learning.

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PROGRAM EDUCATIONAL OBJECTIVE		
1.	**Education**	Graduates of the program will be having sound capacity in pharmaceutical sciences and will be equipped with knowledge required in Pharmaceutical industries and/or institutes.
2	**Technical Skill Competencies**	To provide students with competence of technical skills in various subjects including Pharmaceutics, Pharmaceutical Chemistry, Pharmacology and Pharmacognosy enabling them to fulfill the requirements of Pharmaceutical Industries, Community and Hospital Pharmacy and also to pursue higher studies.
3	**Depth of knowledge**	To provide relevant and up to date knowledge and training to students about the subjects of Pharmaceutical formulation & development, Pharmaceutical chemistry, Drug regulatory affairs, Pharmacology of drugs, drug analytical methods, drugs of natural origins.
4	**Preparedness of students**	To prepare students to perform the best of their abilities in postgraduate programmes or to succeed in Pharmaceutical industry/technical professions.
5	**Evaluation**	Graduates of the program will be able to assess pros and cons, benefits and deficiencies of the subject matters to learned pharmaceutical technologies they studied and philosophies they observed in the field of pharmaceutical sciences.

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PSO - (Programme Specific Outcome)
D. Pharm Programme

Diploma student will be able to—

PSO1	Understand a core and basic knowledge of different subjects with their applications in Pharmaceutical Sciences.
PSO2	Understand the basics of pharmacological and toxicological actions of synthetic as well as natural drugs in the diagnosis, prevention, and treatment and mitigation of various diseases with possible adverse drug reactions reporting and patient counselling in complying with the prescribed treatment regimen.
PSO3	Implement analytical skills in preparative pharmacy, formulation, evaluation, including their regulatory requirements of dosage forms and dispensing of all scheduled drugs and cosmetics.
PSO4	Impart the knowledge in drug laws for entrepreneurship development and marketing with impressive role in the pharmaceutical care, medication management

PSO - (Programme Specific Outcome)
B. Pharm Programme

B.Pharm student will be able to—

PSO1	Impart detail theoretical and practical knowledge of all core and allied subjects of pharmaceutical sciences, which comprises of dosage form design of various drugs with comphehensive knowledge of chemical sttuc ture, routes of administration, mechanism of action, doses of drugs, patient treatment, patient counseling, drug dispensing, hospital administration, drug manufacturing, QA/QC and regulation etc.
PSO2	Highlight the concepts and operative tools of hospital pharmacy, community pharmacy, pharmaceutical care, clinical pharmacy, pharmacovigilance, pharmacoeconomics, clinical research, clinical pharmacokinetics and other related areas for the benefit of academicians, hospital/community pharmacists and industry.
PSO3	Acquire knowledge in the field of synthetic biopharmaceutics, drug transport, pharmacokinetics & pharmacodynamics, drug delivery systems, cell and molecular biology, synthetic and macromolecular chemistry, chemical and biomedical engineering, materials science, physiology and pharmacology.
PSO4	Emphasis on Drug Discovery and Design, Drug Delivery Systems, Drug Action and Clinical Sciences, Drug Analysis, DrugRegulatory Affairs etc.

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M. Pharm Programme

M. Pharm – graduates will be able to—

PSO1	Graduates will gain depth knowledge of drug action, drug delivery and advancement in analysis. Interpretation of biological variations related to drug action and application of pharmacometrics and genetic variations relating to therapeutics, clinical trial, pharmacy practice and pharmacoeconomics.
PSO2	Graduates will be able to apply molecular techniques, bioanalytical methods in new drug designing, formulation, and carry out preclinical testing as per regulatory requirements
PSO3	Graduates can design and participate in clinical research by following pharmacopoeial standards and regulatory ethical guidelines and pharmacovigilance of target drugs with more emphasize on pharmaceutical care.
PSO4	Create, select and apply appropriate resources such as modern, molecular and IT tools to predict, model and understand the molecular behavior of cell systems and their activities with their limitations.