

(Approved by PCI & AICTE, New Delhi) (Affiliated to JNTUA Ananthapuramu)
Recognized u/s 2(f) & 12(B) of the UGC Act, 1956, New Delhi,
ISO 9001:2015 Certified Institution

Chinthareddypalem, Nellore-524003, A.P. India.
Phone & Fax No :0861-2317966; Cell No :+91- 9392901053
Email: principal.npc@narayanagroup.com Visit us:www.narayanapharmacycollege.com

S.No.	SUBJECT NAME	SUBJEC T CODE	CO - NUMBER	COURSE OUTCOMES
			C101.1	They would Define the gross anatomy, histology and physiology of various organs of the human body.
			C101.2	To identify the various tissues and organs associated with the different organ systems with help of charts and specimens
	Human		C101.3	They would have summarize the coordination in functioning of different organs of each system.
	Anatomy Physiology	17T00101	C101.4	To understand the several physiological homeostatic mechanisms and their imbalances in human body.
			C101.5	To assess the interlinked mechanisms in the maintenance in normal and physical exercise conditions.
			C101.6	To implement and perform the hematological tests parameters, blood pressure recording, heart rate, pulse and respiratory volumes.
		17T00102	C102.1	To understand formulation aspects of dosage forms
			C102.2	To apply the formulation principles in designing the dosage forms
Ι	Pharmaceuti		C102.3	To apply the principles of formulation in pharmaceutical calculations
	CS		C102.4	To create or design different types of dosage forms
			C102.5	To evaluate the dosage forms
			C102.6	To understand the importance of good formulation for effectiveness.
			C103.1	Define the basic concepts in medicinal biochemistry and clinical chemistry
			C103.2	link the biochemical reaction and pathways of several diseases
	Medicinal		C103.3	Explain laboratory values in chemical chemistry
	Biochemistr	17T00103	C103.4	To use the scientific laboratory equipment in order to garther and analyse data on medicinal biochemistry
			C103.5	To know how physiological conditions influence the structures and re -activities of bio molecules.
			C103.6	To interpret how the biomolecules acts on the body and its mechanism
	Pharmaceuti	17T00104	C104.1	Explain the physical properties, acid base theories and

PRINCIPAL NARAYANA PHARMACY COLLEGE NELLORE - 524 002



(Approved by PCI & AICTE, New Delhi) (Affiliated to JNTUA Ananthapuramu)
Recognized u/s 2(f) & 12(B) of the UGC Act, 1956, New Delhi,
ISO 9001:2015 Certified Institution

cal Orgonic			isomerism of organic compounds.
Chemistry		C104.2	List the IUPAC nomenclature of functional groups, free radicles &cyclo alkane reactions & reactivity.
		C104.3	Describe the mechanisms ,Nucleophilic substitutions, elimination, addition reactions.
		C104.4	Discuss the concept of resonance, hyperconjugation, conjugated dienes& its orientation and reactivity.
		C104.5	Explain the concepts of electrophilic aromatic substitution, nucleophilic addition reaction reaction mechanisms.
		C104.6	Discuss the emphasis of normal reactions and their mechanisms
		C105.1	Well acquainted with the principles of limit tests.
		C105.2	Familiar with different classes of inorganic pharmaceuticals and their analysis
Pharmaceuti		C105.3	Identification of different anions, cations and different inorganic pharmaceuticals.
cal Inorgonic Chemistry	17T00105	C105.4	Knowledge about the sources of impurities and methods to determine the impurities in inorganic drugs and pharmaceuticals
		C105.5	Understand the medicinal and pharmaceutical importance of inorganic compounds
		C105.6	To have been introduced to a variety of inorganic drug classes.
		C106.1	Acquire knowledge of the basic components of anatomy and physiology of plants and animals.
		C106.2	Recognize about the different cell inclusions, cell wall components.
Remedial		C106.3	Acquire knowledge of morphology of different parts of flowering plants
Biology	17T00106 -	C106.4	Identify and understand the various tissue systems and organ systems in plants and animals.
		C106.5	Classify and remember the salient features of five kingdoms of life.
		C106.6	Discuss and assess anatomy physiology of plants and animals.
	17T00106	C106.1	Apply mathematical concepts and principles to perform computations for Pharmaceutical Sciences.
Remedial Mathematics		C106.2	Communicate mathematical knowledge and understanding to help in the field of Clinical Pharmacy
		C106.3	To solve the different types of problems by applying theory





(Approved by PCI & AICTE, New Delhi) (Affiliated to JNTUA Ananthapuramu)
Recognized u/s 2(f) & 12(B) of the UGC Act, 1956, New Delhi.
ISO 9001:2015 Certified Institution

		C106.4	Perform abstract mathematical reasoning
		C106.5	To solve the different types of problems by applying theory
	1.45	C106.6	To know the theory and their application in Pharmacy
Human		C107.1	Relate concept of the Human Anatomy physiology
Anatomy and	17T00107	C107.2	Adapt knowledge about Human anatomy and Physiology
Physiology Lab		C107.3	Analyze the physiological processes discussed in theory classes through experiments on living tissue
		C108.1	apply practical skills in preparing and dispensing various pharmaceutical formulations, including syrups, elixirs, linetus, solutions, liniments, suspensions, emulsions, powders, and suppositories, with an emphasis on accuracy and adherence to pharmacopeial standards.
Pharmaceuti cs -Lab	17T00108	C108.2	apply a comprehensive understanding of the physical and chemical properties of different dosage forms and their therapeutic applications, including handling incompatibilities and ensuring the stability and efficacy of the products.
		C108.3	apply proficiency in practical laboratory techniques, proper use of dispensing tools and materials, and adherence to safety and hygiene practices, ensuring effective and safe pharmaceutical compounding and dispensing.
	17T00109	C109.1	Qualitatively analyze the normal and abnormal constituents of urine
Medicinal Biochemistr		C109.2	Quantitatively estimate the various constituents present in blood
y- Lab		C109.3	Study the factors affecting enzymatic activity
		C110.1	Demonstrate proficiency in fundamental organic chemistry techniques such as purification methods (like recrystallization and chromatography), synthesis of organic compounds.
Pharmaceuti cal Organic	157700110	C110.2	Identifythe organic functional groups using Qualitative Analysis
Chemistry- Lab	17T00110	C110.3	Develop skills in laboratory safety protocols and adhere to good laboratory practices (GLP) throughout experimental procedures. They will demonstrate awareness of chemical hazards, proper handling of reagents and equipment, and effective waste disposal practices in accordance with regulatory guidelines.



(Approved by PCI & AICTE, New Delhi) (Affiliated to JNTUA Ananthapuramu)
Recognized u/s 2(f) & 12(B) of the UGC Act, 1956, New Delhi,
ISO 9001:2015 Certified Institution

Chinthareddypalem, Nellore-524003, A.P. India.
Phone & Fax No :0861-2317966; Cell No :+91- 9392901053
Email: principal.npc@narayanagroup.com Visit us:www.narayanapharmacycollege.com

	aceuticals		C203.2	Describe about the cultivation, collection and
	Pharmacogn osy & Phytopharm	17T00203	C203.1	Explain various sources of crude drugs and their application along with the knowledge of different classification systems
			C202.6	Knowing the industrial applications of Microorganisms in industry to produce Biotechnological products.
	y a thai	17T00202	C202.5	Describe possible modes of disease transmission, disease symptoms, treatment methods.
	cal Microbiolog		C202.4	States the procedures to perform diagnostic tests to identify harmful diseases.
	Pharmaceuti		C202.3	Illustrates the sterilization types and their application with merits and demerits.
			C202.2	Demonstrates methods used in identification and cultivation of microbes in lab.
II		17T00201	C202.1	Explain the various classifications of Microorganisms based on morphological characters.
			C201.6	Explain the baseline knowledge and application in other subject of pharmacy.
	Phatophysiol		C201.5	Describe various lipoproteins and lipoprotein disorders, with acute and chronic inflammation, cancer, auto immune diseases with biological significance of hypersensitivity disorders
			C201.4	Discuss the pathogenesis and morphology of reversible and irreversible cell injury.
			C201.3	Explain the Etio-pathogenesis of selective diseases.
			C201.2	Evaluate the basic Patho-physiological mechanisms in various diseases.
			C201.1	Apply the knowledge of the relevant aspects of pathology of various conditions with reference to its pharmacological applications.
	Diology Luc	=	C112.3	Demonistrate the Various systems of frog using computer model.
	Remedial Biology-Lab	17T00112	C112.2	Identify and study different animal specimen.
			C112.1	Construct and develop microscopic sections of parts o the plant.
	Lab		C111.3	Identify and determine test for purity and preparation of some inorganic compounds.
	Inorganic Chemistry-	17T00111	C111.2	Determine various impurities in inorganic drugs and pharmaceuticals.
	Pharmaceuti cal		C111.1	Gain the fundamentals of volumetric analytical skills analytical techniques in lab.

PRINCIPAL
NARAYANA PHARMACY COLLEGE
NELLORE - 524 002





(Approved by PCI & AICTE, New Delhi) (Affiliated to JNTUA Ananthapuramu)
Recognized u/s 2(f) & 12(B) of the UGC Act, 1956, New Delhi,
ISO 9001:2015 Certified Institution

	19		processing of crude drugs along with the systematic evaluation of crude drugs
		C203.3	Explain about the plant cell wall, its constituents and cell inclusions
		C203.4	Ilustrate the macroscopic, microscopic and powder microscopic evaluation and its significance in evaluation of drugs.
		C203.5	Discuss the pharmacognosy of Natural Pesticides
		C203.6	Describe the various plant fibres used in surgical dressings and related products.
		C204.1	State the different drugs used with an emphasis on its classification, Pharmacodynamic and pharmacokinetic aspects, adverse effects, Therapeutic uses.
		C204.2	Explain the dose, route of administration, precautions, and contraindications.
Pharmacolo	17T00204	C204.3	Describe the pharmacological aspects of drugs used to treat ailment of different organ systems of the body.
gy - I		C204.4	Explain the importance of drug discovery by preclinical and clinical trials.
		C204.5	Explain the pharmacological knowledge as a basis of therapeutics.
		C204.6	Apply the knowledge of drugs and its detailed description therapeutically in clinical case scenario.
		C205.1	Explain the patient centered care to diverse patients using the best available evidence to devise, modify, implement, document and monitor pharmacotherapy care plans, either independently or as part of healthcare team.
Community		C205.2	Describe the knowledge of the business and professional practice management skills in community pharmacies.
Pharmacy	17T00205	C205.3	Explain the patient education through counselling & provide health screening services to public
		C205.4	Describe symptoms of minor ailments and provide appropriate medication
		C205.5	Explain the programmes involved in prevention of communicable diseases
		C205.6	Describe the professional ethics by promoting safe and appropriate medication use throughout society
Pharmacothe rapeutics -I	17T00206	C206.1	Students will be able to describe the pathophysiology and management of cardiovascular respiratory and endocrine diseases
.apeuro		C206.2	Students will be developing Patient case based



(Approved by PCI & AICTE, New Delhi) (Affiliated to JNTUA Ananthapuramu)
Recognized u/s 2(f) & 12(B) of the UGC Act, 1956, New Delhi,
ISO 9001:2015 Certified Institution

Chinthareddypalem, Nellore-524003, A.P. India.
Phone & Fax No :0861-2317966; Cell No :+91- 9392901053
Email: principal.npc@narayanagroup.com Visit us:www.narayanapharmacycollege.com

	. 14 .		Assessment Skills
		C206.3	Students will be able to describe the quality use of medicines issues surrounding the therapeutic agents in the treatment of these diseases
		C206.4	Students will have developed clinical skills in the therapeutic management of these conditions
		C206.5	Continue to develop communication skills.
		C206.6	Students will provide patient – centred care to diverse patients using the evidence based medicine
Pharmaceuti		C207.1	Understand various sterilization techniques& gain experience to handle sterilization apparatus.
cal Microbiolog	17T00207	C207.2	Student can able to perform Biochemical tests for understand chemical reactivity of microbes.
y lab		C207.3	Hands on experience in preparing Culture media for cultivation of useful microbes.
Pharmacogn osy &		C208.1	Describe the handling of the compound microscope and identification of the various diagnostic features o crude drugs.
Phytopharm aceuticals		C208.2	Explain the analysis of unorganized crude drugs by various chemical tests.
lab		C208.3	Describe the various quantitative tests for lipid analysis and its significance.
DI II	17T00209	C209.1	Identify drug interactions and rationalize the prescription
Pharmacothe rapeutics-I -		C209.2	Discuss the therapeutic approach to management of selected diseases
Lab		C209.3	Prepare individualized therapeutic plans based on diagnosis
		C301.1	Describe about the different drugs used for treatment of diseases.
		C301.2	List the drugs used to cancer, inflammation, respiratory system, GIT, immune system and hormones and explain their pharmacology.
Pharmacolo	17700201	C301.3	Explain the principles of animal toxicology and bioassay procedures.
gy - II	1/100301 =	C301.4	Discuss the cell, macromolecules, cell signaling, DN, replication and cell cycle.
		C301.5	Describe importance of gene and its structure, genom gene expression, recombinant DNA technology and other associated aspects.
		C301.6	Apply the knowledge of drugs practically and performed simulated pharmacological experiments.
Pharmaceuti	17T00302	C302.1	List the significance of analysis in the pharmaceutica

PRINCIPAL
NARAYANA PHARMACY COLLEGE
NELLORE - 524 002



(Approved by PCI & AICTE, New Delhi) (Affiliated to JNTUA Ananthapuramu)
Recognized u/s 2(f) & 12(B) of the UGC Act, 1956, New Delhi,
ISO 9001:2015 Certified Institution

cal Analysis			sector.
		C302.2	Explain the information regarding pharmaceutical substance testing and merchandise.
		C302.3	Discuss instrumental techniques to build fundamental practical skills.
		C302.4	Describe the several instrumental methods used in pharmaceutical analysis.
		C302.5	Apply the knowledge to suit different assay procedures for medications and medicines.
		C302.6	Describe and learn the troubleshooting techniques while implementing different approaches and instrumental way
		C303.1	To know the pathophysiology of selected disease states and the rationale for drug therapy.
		C303.2	To understand the therapeutic approach for management of different diseases.
Pharmacothe	17T00303	C303.3	To know the importance of preparation of individualized therapeutic plans based on diagnosis & controversies in drug therapy.
rapeutics -II		C303.4	To understand & identify the patient-specific parameters relevant in initiating drug therapy, and monitoring therapy.
		C303.5	Explain the etio-pathogenesis of selected infectious diseases, musculoskeletal and renal disorders.
		C303.6	Discuss the principles of cancer therapy and dermatological disorders.
		C304.1	Describe the practice of professional ethics
Pharmaceuti		C304.2	Explain various concepts of pharmacy legislation in india
cal	17700204	C304.3	Discuss various parameters in DC act and rules
Jurisprudenc	17T00304	C304.4	Explain about drug policy, DPCO, patent and design act
e		C304.5	Explain labeling requirements and packaging guide lines for d & c
		C304.6	Explain the concept of dangerous drug act, pharmacy act and excise duties act
		C305.1	Describe the process of drug design, QSAR, Prodrug concepts, CADD and combinatorial Chemistry
Medicinal	17T00305	C305.2	Explain the SAR, MOA, Synthesis, Uses, Adrs, and list of Brand Names of Anti-infective agents
Chemistry		C305.3	Describe the classification, chemistry, SAR, MOA, Uses ,Adrs, list of brand names and synthesis of some antibiotics





(Approved by PCI & AICTE, New Delhi) (Affiliated to JNTUA Ananthapuramu)
Recognized u/s 2(f) & 12(B) of the UGC Act, 1956, New Delhi,
ISO 9001:2015 Certified Institution

		C305.4	Discuss the historical background and classification, chemistry, SAR, MOA, Uses ,Adrs, brand names and synthesis of some antibiotics.
		C305.5	Explain the chemistry, SAR, MOA, Uses, Adrs and Brand names of some anti malarials, sulphonamides, hypoglycemics
		C305.6	List the CVS diseases and explain the classification, chemistry of CVS drugs with their SAR, MOA, Uses, Adrs, Brand names and few important drug synthesis
		C306.1	Demonstrate detailed knowledge on different types of dosage forms and their application in the management of clinical therapy.
Pharmaceuti		C306.2	Describe different tablet dosage forms, coating and related concern for design & development of tablet dosage form
cal Formulation	17T00306	C306.3	Develop dosage form and related concern for design of capsule dosage form.
S		C306.4	Design and develop sterile liquid dosages forms to treat various clinical diseases.
		C306.5	Develop Semisolid Dosage forms with acceptable patient compliance.
		C306.6	Describe suitable criteria and various approaches for development of novel drug delivery systems.
	17T00307	C307.1	Identify the drugs confidently in experiments.
Pharmacolo gy- II-Lab		C307.2	Interpret the results of biological samples in experimental pharmacology.
		C307.3	Demonstrate the pharmacological experiments
Pharmaceuti	17T00308	C308.1	Perform paper and thin layer chromatographic experiments and gain the knowledge on interpretation of data obtained after the experiment to conclude the results.
cal Analysis- Lab		C308.2	Handle different instruments like spectrophotometers, flame photometer, HPLC and GC to analyse the pharmaceutical compounds.
		C308.3	Have ability to develop basic practical skills using instrumental techniques.
Pharmacothe		C309.1	Identify drug interactions and rationalize the prescription.
rapeutics-II -	17T00309	C309.2	Conduct patient counseling
Lab		C309.3	Discuss the therapeutic approach to management of selected diseases.
Medicinal	17T00310	C310.1	Demonstrate the proficiency in medicinal chemistry



(Approved by PCI & AICTE, New Delhi) (Affiliated to JNTUA Ananthapuramu)
Recognized u/s 2(f) & 12(B) of the UGC Act, 1956, New Delhi,
ISO 9001:2015 Certified Institution

	Chemistry Lab			techniques such as synthesis and purification of pharmaceutical compounds.
			C310.2	Explain chemical and physical properties relevant to drug design, and evaluation of drug-receptor interactions using computational methods.
			C310.3	Apply their knowledge of medicinal chemistry to propose strategies for drug design and optimization.
			C311.1	Demonstrate practical skills in preparing and dispensing various pharmaceutical formulations.like solid liquid and semi solid dosage forms
	Pharmaceuti cal	17T00311	C311.2	Expline Physical and chemical properties of different dosage forms and their therapeutic applications
	Formulation s Lab		C311.3	apply practical laboratory evaluation techniques for proper use of dispensing tools and materials, ensuring effective and safe pharmaceutical compounding and dispensing.
			C401.1	Explain the etiopathogensis of selected gastrointestinal, haematological, neurological and psychiatric diseases.
	Pharmacothe rapeutics- III	17T00401	C401.2	Discuss the principles of evidence-based therapy and pain management.
			C401.3	Identify the patient-specific parameters relevant in initiating and monitoring drug therapy and adverse effects.
			C401.4	Discuss the therapeutic approach in the management of selected diseases and controversies in drug therapy.
			C401.5	Prepare individualized therapeutic plans based on diagnosis.
IV			C401.6	Recognize the role of pharmacist in essential and rational drug use.
1 4		17T00402	C402.1	Describe the functioning of hospital pharmacy for identification and assessment of adverse drug reactions.
			C402.2	Describe the functions and responsibilities of hospital and clinical pharmacist
	Hospital Pharmacy		C402.3	Establishment of pharmacy and therapeutic committee, to develop the contents of hospital formulary and adapt to drug distribution system in the hospital.
			C402.4	Describe the establishment of drug store to manage and implement inventory control techniques.
			C402.5	Explain the manufacturing practices of various formulations in hospital.
			C402.6	Describe the continuing professional development



(Approved by PCI & AICTE, New Delhi) (Affiliated to JNTUA Ananthapuramu)
Recognized u/s 2(f) & 12(B) of the UGC Act, 1956, New Delhi,
ISO 9001:2015 Certified Institution

			programs
	_	C403.1	Monitor drug therapy of patient through medication chart review and clinical review
		C403.2	Obtain medication history interview and counsel the patients
Clinical	17700103	C403.3	Identify and resolve drug related problems
Pharmacy	17T00403	C403.4	Detect, assess and monitor adverse drug reaction
		C403.5	Interpret selected laboratory results (as monitoring parameters in therapeutics) of specific disease states
		C403.6	Retrieve, analyze, interpret and formulate drug or medicine information.
		C404.1	To understand the applications of Biostatics in Pharmacy.
		C404.2	Appreciate the statistical technique in solving the pharmaceutical problems
		C404.3	Appreciate the importance of Computer in hospital and Community Pharmacy
Biostatistics		C404.4	Operate various statistical software packages
& Research Methodolog y	17T00404	C404.5	Deal with descriptive statistics, Graphics, Correlation, Regression, logistic regression Probability theory, Sampling technique, Parametric tests, Non -parametric tests. ANOVA, Introduction to Design of Experiments. Phases of Clinical trials and Observational and Experimental studies, SPSS, R and MINITAB statistical software's, analyzing the statistical data using Excel.
		C404.6	Know the various statistical methods to solve different types of problems
	# # F T	C405.1	Understand different mechanism and factors affecting ADME processes.
		C405.2	Determine the effect of Pharmacokinetic (ADME) parameters on the biological effects of the drug
Biopharmac eutics &	17T00405	C405.3	Understand various pharmacokinetic models and their significance in interpreting various pharmacokinetic parameters
Pharmacoki netics		C405.4	Attain knowledge about multiple dosage regimens and nonlinear pharmacokinetics
		C405.5	Understand about non compartmental pharmacokinetics
		C405.6	Ability to design a basic protocol for the conduct of BA/BE study and the interpretation of the BA/BE data
Clinical	17T00406	C406.1	Explain the principles and practice of clinical



V

NARAYANA PHARMACY COLLEGE

(Approved by PCI & AICTE, New Delhi) (Affiliated to JNTUA Ananthapuramu)
Recognized u/s 2(f) & 12(B) of the UGC Act, 1956, New Delhi,
ISO 9001:2015 Certified Institution

Toxicology	Ĭ		toxicology
		C406.2	Demonstrate an understanding of the health implications of toxic exposures and commonly involved chemicals for toxicity
		C406.3	Demonstrating and understanding of general toxicology principles and apply them in clinical management practice
		C406.4	Explain the history, assessment, and therapy considerations associated with the management of a toxic exposure
		C406.5	Demonstrate an understanding of the characteristics of and treatment guidelines for specific toxic substances
		C406.6	Propose several preventive approaches to reduce unintentional poisonings
DI 1		C407.1	To understand therapeutic goals of the drugs used in different diseases
Pharmacothe	17T00407	C407.2	To understand dose and frequency of the medications
rapeutics- III- Lab	1/100407 -	C407.3	To understand the time-course of clinical and laboratory indices of therapeutic response and adverse effects
	17T00408	C408.1	Demonstrate the skills on determination of inventory control of pharmaceuticals.
Hospital Pharmacy-		C408.2	Carryout lab activities related to the bulk and unit dos preparations.
Lab		C408.3	Demonstrate the skills related to identification, assessing and reporting of adverse drug reactions.
	17T00409	C409.1	Assess prescriptions for drug interaction and answer drug information query
Clinical Pharmacy-		C409.2	Perform patient counselling on medication and conduct medication history interview
Lab		C409.3	Analyse and interpret the data obtained through laboratory tests
Biopharmac	17T00410	C410.1	Learn practically about various techniques to improve the solubility and dissolution rate of poorly soluble drugs.
eutics & Pharmacoki netics- Lab		C410.2	Determine various pharmacokinetic parameters using semilogarithmic graph paper as well as by using various soft wares
neties Ede		C410.3	Determine various absorption and protein binding studies in ex vivo models.
Clinical	17700501	C501.1	Understand how new drugs are developed.
Research	17T00501	C501.2	Recognize the moral and legal obligations.





(Approved by PCI & AICTE, New Delhi) (Affiliated to JNTUA Ananthapuramu)
Recognized u/s 2(f) & 12(B) of the UGC Act, 1956, New Delhi,
ISO 9001:2015 Certified Institution

		C501.3	Respect and carry out the clinical trial procedures
		C501.4	Be familiar with clinical trial safety reporting and monitoring.
		C501.5	Oversee the procedure of trial coordination
		C501.6	Understand Sponsor, the Institutional Review Board, and the Investigator have different responsibilities.
		C502.1	Describe the methods used in Pharmacoepidemiology
DI.		C502.2	Demonstrate competency in the design, conduct and evaluation of Pharmacoepidemiology studies.
Pharmacoepi dimology	17T00502	C502.3	Describe the methods used in Pharmacoeconomic analysis.
and Pharmacoec	17100302	C502.4	Demonstrate competency in the design, conduct and evaluation of Pharmacoeconomic studies.
onomics		C502.5	evaluation of safety of medications in populations.
		C502.6	it involves assessing and quantifying various outcomes related to medication use and its impact on health
	17T00503	C503.1	understand and apply the principles of clinical pharmacokinetics and their application in designing dosage regimens.under
Clinical Pharmacoki		C503.2	understand and apply nomograms and tabulations for dose calculation and conversion between intravenous and oral dosing.
netics & Pharmacothe rapeutics		C503.3	understand and apply appropriate doses and dosing intervals, considering factors such as age, weight, and disease states.
Drug Monitoring		C503.4	understand pharmacokinetic interactions and their implications in clinical practice.
		C503.5	understand mechanisms of inhibition and induction of drug metabolism and biliary excretion.
		C503.6	understand and apply the concept and significance of therapeutic drug monitoring (TDM).
		C504.1	Describe the content of a health supervision visit and the factors used to determine the frequency of such visits.
Clerkship	17T00504	C504.2	Utilize knowledge of the developmental stages in the interaction of the patient and physician in the clinical setting.
		C504.3	Effectively communicate information about the diagnosis and treatment to the patient
Project	17T00505	C505.1	Identify the research problem by thorough literature survey.
Work	17100303	C505.2	Apply efficient methods for designing project



(Approved by PCI & AICTE, New Delhi) (Affiliated to JNTUA Ananthapuramu)
Recognized u/s 2(f) & 12(B) of the UGC Act, 1956, New Delhi,
ISO 9001:2015 Certified Institution
Chinthareddypalem, Nellore-524003, A.P. India.
Phone & Fax No :0861-2317966; Cell No :+91- 9392901053

Email: principal.npc@narayanagroup.com Visit us:www.narayanapharmacycollege.com

C505.3

Demonstrate the completed project work and compile the project report.

PRINCIPAL

NARAYANA PHARMACY COLLEGNELLORE - 524 002