

S. No	Project Supervisor	Reg. No	Students	Title of the Project	Department
1.	Dr. S. Venkateswara Rao	187N1R0010 187N1R0045 187N1R0036 187N1R0008 187N1R0044	A. Akanksha K. Rajasree K. Vinitha Rani Y. Sudha Rani K. Vineetha	Synthesis of MCC-PEG conjugate and it's evaluation as a tablet super disintegrant.	Pharmaceutics
2.	Dr. S. Venkateswara Rao	187N1R0059 187N1R0060 187N1R0074 187N1R0083 187N1R0086	P. Rupa sree P. Hema Lakshmi SK. Asha Begum Sangeetha Jayasree	Development of Chitosan based Buccal films containing fluconazole for oral candidiasis	Pharmaceutics
3.	Mrs. A. Hima Bindhu	187N1R0017 187N1R0029 187N1R0031 187N1R0051 187N1R0055	B. Prasanna G. Ramya Sri Meghana Keerthi. G M. Kavya M. Malliswari	Enhancement of Solubility and Dissolution rate of Rivaroxaban by solubility dispersion technique	Pharmaceutics
4.	Mrs. P. M.M. Naga Lakshmi Varma	187N1R0014 187N1R0056 187N1R0004 187N1R0042 187N1R0023	B. Gayathri N. Geetha Jhansi Kondeti K. Yashaswini D. Spandana	Formulation and Evaluation of Lamivudine microspheres	Pharmaceutics
5.	Mrs. B. Hemalatha	187N1R0064 187N1R0039 187N1R0057 187N1R0037 187N1R0062	P. Bhuvaneswari G. Kalyani N. Krishna Veni K. Naga Durga P. Yashwanthi	Development of fast dissolving tablets of Losartan potassium using novel co-processed super disintegrants	Pharmaceutics

6.	Mr. A. Jaya Rami Reddy	187N1R0020 187N1R0022 187N1R0040 187N1R0061 187N1R0068	Ch. Naga Sivani D. Sai Vaishnavi K. Srujana P. Yamini R. Anitha	Evaluation of In-vitro anti-oxidant and Antidiabetic, anti-platelet aggregatory activities of Casuarina Equisetifolia bark extracts.	Pharmacology
7.	Mrs. Bhavana. Atluri	187N1R0021 187N1R0025 187N1R0028 187N1R0038 187N1R0048	Ch. Hushika D. Nandini Ghosh Payel K. Maneesha K. Tejaswi	In-vitro Thrombolytic and anti-Inflammatory activities on Ethanolic leaf extract of Terminalia arjuna	Pharmacology
8.	Mrs. Neeraja	187N1R0030 187N1R0033 187N1R0041 187N1R0046 187N1R0070	G. Pranitha G. Annie Susanna K. Aswitha K. Naga Jyothi S. Sireesha	Evaluation of in-vitro anti-Inflammatory and anti-oxidant activity of Ethanolic extract of solanum nigrum dried berries.	Pharmacology
9.	Dr. S. Sundar	187N1R0053 187N1R0053 187N1R0066 187N1R0071 187N1R0081	M. Madhuri M. Pravallika R. Babitha S. Pravallika T. Dhanalakshmi	In vitro Anti-inflammatory and Antimicrobial activity of Cissus quadrangularis L.	Pharmacology
10.	Mrs. Ch. Anupama Swathi	187N1R0065 187N1R0035 187N1R0011 187N1R0016 187N1R0067	R. Menaka Devi J. Geethanjali A. Navya Sri M. Bhavya Sri R. Pushpa Latha	A Simple validated UV Spectrophotometric method for estimation of Rivaroxaban tablet dosage form.	Pharmaceutical Analysis

11.	Mrs. Ch. Anupama Swathi	187N1R0015 187N1R0012 187N1R0005 187N1R0088 187N1R0003	B. Sri Rekha A. Vara Lakshmi M. Kalpana D. Swathi K. Susan Deepthi	Estimation of Eltrombopag olamine in tablet dosage form by colorimetric validation.	Pharmaceutical Analysis
12.	Dr. N. Prathibha	187N1R0049 187N1R0050 187N1R0077 187N1R0052 187N1R0085	K.Ramya K. Susmitha SK. Rziya Begum M. Bhagya Sree V.B.V.S.Nikitha	Assessment of Self-medication among pharmacy students	Pharmacy Practice
13.	. M. Tabitha Sharon	187N1R0047 187N1R0073 187N1R0034 187N1R0013 187N1R0024	Divya Naidu. K Lakshmi Sai. S Lekhana. G B. Mounika Yuva Lakshmi. D	Assessment of risk factors for development of polycystic ovarian syndrome	Pharmacy Practice
14.	Mrs. D. Prasanna	187N1R0001 187N1R0043 187N1R0078 187N1R0079 187N1R0080	B.S.V.Anuhya Pranitha. K Divya. S SD.Fatheema nasreed Srivalli.T	Synthesis, characterization and biological screening of novel ribonucleotide reductase inhibitors.	Pharmaceutical Chemistry
15.	Dr. M. Vani	187N1R0002 187N1R0009 187N1R0075 187N1R0076 187N1R0084	K. Lavanya Abdul Rokaya SK. Hafsa Sk. Nishath Sabira V.Vennela Lakshmi	Alpha Amylase inhibitory activity of Phyllanthus Reticulatus	Pharmacognosy
16.	Dr. M. Vani	187N1R0072 187N1R0058 187N1R0007 187N1R0082 187N1R0063	S. Dharani N. Harika R. Sai Prasanna T. Mounika G. Geethika	Anti-glycation effect on Ureua sinuata	Pharmacognosy



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M. Pharmacy Project List (2021 - 2022)

S.No	Reg. No.	Name of the Student	Name of the Guide	Project Titles	Department
1	207N1S0301	Eega Sravani	Dr. S.Venkateswara rao	Formulation development and evaluation of Memantine hydrochloride oral-dissolving film	Pharmaceutics
2	207N1S0302	Adapa Mohana Latha	Dr. S.Venkateswara rao	Preparation and Evaluation of Sustained-Release Tablets of Flutamide Using Synthetic and Natural Polymers	Pharmaceutics
3	207N1S0303	Shaik Apsana	Dr. S.Venkateswara rao	Formulation and evaluation of Atorvastatin topical emulgel for wound healing efficacy	Pharmaceutics
4	207N1S0304	Harika Jampana	Dr. S.Venkateswara rao	Isolation and evaluation of mucilage from herbal plant as a pharmaceutical excipient	Pharmaceutics
5	207N1S1601	Bhukya Chandana	Mrs. D. Vijaya Durga	Method development and validation for the simultaneous estimation of lopinavir and ritonavir by using RP- HPLC	Pharmaceutical Analysis
6	207N1S1602	Tummala Harshitha	Mrs. Ch. Anupama Swathi	Development and validation of RP-HPLC method for the estimation of vildagliptin in bulk and tablet dosage form	Pharmaceutical Analysis
7	207N1S1603	Uppuganti Sony	Mr.M. Bala Krishna	Bio Analytical Development Method Development and Validation of Zidovudine in bulk & Pharmaceutical dosage forms by using by RP -HPLC	Pharmaceutical Analysis
8	207N1S1604	Sharon Panthangani	Mr.M.Bala Krishna	RP HPLC Method Development and Validation of Ranolazine in bulk & Pharmaceutical dosage forms by using RP- HPLC	Pharmaceutical Analysis
9	207N1S0601	Unguturu Mounika Sarojini	Dr. S Sundar	Immunomodulatory, Anti-Inflammatory, Anti-Diabetic and Anti-Oxidant Activities of Poly Herbal Formulation (Kabasura Kudineer) on Rats	Pharmacology



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10	207N1S0602	Gunji Loka Swarna Deepika	Mrs. A. Bhavana	Antifertility & Antispasmodic effects of Poly Herbal (Herbutin) Formulation on Female Spargue Dawley Rats	Pharmacology
11	207N1S0603	Parvathaneni Aruna	Mr. A. Jayarami Reddy	Evaluation of Anti-histaminic activities of poly herbal formulation by in-vivo screening techniques	Pharmacology
12	207N1S0604	Chanampudi Divya	N.K.S. Neeraja	Anti-Arthritic, Anti-Inflammatory and Anti-Oxidant Activities of Poly-Herbal Formulation (Rhumatigo) on Rat	Pharmacology



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V/VI Pharm. D Project List (2021 - 2022)

S.No	Reg. No.	Name of the Student	Name of the Guide	Project Titles
1	177N1T0001 177N1T0005 177N1T0012 177N1T0028	Sumaiya Saleem Indurthi Bharathi Thati Sravani Devagupthapu Kunthitha Devi	Dr. Purushothama Reddy K	Evaluation of Causality, Severity and Risk factors of Adverse Drug Reactions in Hospitalized Geriatric Patients.
2	177N1T0003 177N1T0009 177N1T0017 177N1T0026	Bollineni Swathi Maadu Sri Lakshmi Tirumalasetti Maha Lakshmi Lakshmi Priya Ghantasala	Dr. N. Prathiba	Study on Prevalence of Drug related problems at a Tertiary Care Teaching Hospital.
3	177N1T0004 177N1T0010 177N1T0018 177N1T0025	Gudela Haritha Golla Shiny Katragadda Uma Maheswari Vallapu Prathyusha	Dr. Y. Naveen	Assessment of Medication Adherence in Diabetic Mellitus Patients.
4	177N1T0006 177N1T0023 177N1T0027	Panguluri Nadiya Nandamuri Sri Thanmayi Mandadapu Naga Jyotsna	Dr. Purushothama Reddy K	Assessment of Health-Related Quality of Life in Hemodialysis Patient by using WHO QOL- BERF/KDQOL Questionnaire"
5	177N1T0007 177N1T0015 177N1T0024	Hanisha Jangala Sali Nancy Pedapudi Kiran Swetha	Dr. M. Thabitha Sharoon	Assessment of health-related quality of life and therapeutic outcomes in patients with liver diseases in Tertiary Care Hospital.



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6	177N1T0008 177N1T0016 177N1T0030 207N1T0101	Makkena Pallavi Shaik Chandini Thommandru Aswini Teja Shaik Sharmila	Dr. B. Navya	Assessment of prescribing pattern of antibiotics and their adverse drug reactions.
7	177N1T0011 177N1T0019 177N1T0020 177N1T0029	Vuddanti Meghana G N J V L Sarada Sri Vydani Uma Maheswari Dandala Blessy Lydia	Dr. M. Thabitha Sharoon	A study on atherogenic index of plasma in diabetic patients admitted to cardiology department and correlation with severity of CAD.
8	177N1T0002 177N1T0013 207N1T0104	Kondaveeti Parameswari Jyothisna Kumari Kavilikatta Repalle Bhavana	Dr. K. Padmalatha	Observational study to correlate the severity of CAD in relation to abnormalities in liver enzymes in acute coronary syndrome Patients.
9	177N1T0014 177N1T0022 207N1T0102 207N1T0103	Bezawada Vijaya Sainika Jonnalagadda Vineela Kurapati Katayayani Manda Joy Prixe	Dr. N. Prathiba	Prevalence, Complications and Drug related problems of liver Disorders in a Tertiary Care Hospital.



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**Revised Regulations for the
Master of Pharmacy Degree Program
(w.e.f. June 2016)**

Credit Based Semester System

Pharmacy Council of India
Combined Council's Building, Kotla Road,
Aiwan-E-Ghalib Marg,
New Delhi-110 002



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9. Course of study

The course of study for B. Pharm shall include Semester Wise Theory & Practical as given in Table – I to VIII. The number of hours to be devoted to each theory, tutorial and practical course in any semester shall not be less than that shown in Table – I to VIII.

Table-I: Course of study for semester I

Course code	Name of the course	No. of hours	Tutorial	Credit points
BP101T	Human Anatomy and Physiology I – Theory	3	1	4
BP102T	Pharmaceutical Analysis I – Theory	3	1	4
BP103T	Pharmaceutics I – Theory	3	1	4
BP104T	Pharmaceutical Inorganic Chemistry – Theory	3	1	4
BP105T	Communication skills – Theory *	2	-	2
BP106RBT BP106RMT	Remedial Biology/ Remedial Mathematics – Theory*	2	-	2
BP107P	Human Anatomy and Physiology – Practical	4	-	2
BP108P	Pharmaceutical Analysis I – Practical	4	-	2
BP109P	Pharmaceutics I – Practical	4	-	2
BP110P	Pharmaceutical Inorganic Chemistry – Practical	4	-	2
BP111P	Communication skills – Practical*	2	-	1
BP112RBP	Remedial Biology – Practical*	2	-	1
Total		32/34^S/36[#]	4	27/29^S/30[#]

^SApplicable ONLY for the students who have studied Mathematics / Physics / Chemistry at HSC and appearing for Remedial Biology (RB) course.

[#]Applicable ONLY for the students who have studied Physics / Chemistry / Botany / Zoology at HSC and appearing for Remedial Mathematics (RM) course.

* Non University Examination (NUE)




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Table-II: Course of study for semester II

Course Code	Name of the course	No. of hours	Tutorial	Credit points
BP201T	Human Anatomy and Physiology II – Theory	3	1	4
BP202T	Pharmaceutical Organic Chemistry I – Theory	3	1	4
BP203T	Biochemistry – Theory	3	1	4
BP204T	Pathophysiology – Theory	3	1	4
BP205T	Computer Applications in Pharmacy – Theory *	3	-	3
BP206T	Environmental sciences – Theory *	3	-	3
BP207P	Human Anatomy and Physiology II – Practical	4	-	2
BP208P	Pharmaceutical Organic Chemistry I – Practical	4	-	2
BP209P	Biochemistry – Practical	4	-	2
BP210P	Computer Applications in Pharmacy – Practical*	2	-	1
Total		32	4	29

*Non University Examination (NUE)

Table-III: Course of study for semester III

Course code	Name of the course	No. of hours	Tutorial	Credit points
BP301T	Pharmaceutical Organic Chemistry II – Theory	3	1	4
BP302T	Physical Pharmaceutics I – Theory	3	1	4
BP303T	Pharmaceutical Microbiology – Theory	3	1	4
BP304T	Pharmaceutical Engineering – Theory	3	1	4
BP305P	Pharmaceutical Organic Chemistry II – Practical	4	-	2
BP306P	Physical Pharmaceutics I – Practical	4	-	2
BP307P	Pharmaceutical Microbiology – Practical	4	-	2
BP308P	Pharmaceutical Engineering – Practical	4	-	2
Total		28	4	24




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Table-IV: Course of study for semester IV

Course code	Name of the course	No. of hours	Tutorial	Credit points
BP401T	Pharmaceutical Organic Chemistry III- Theory	3	1	4
BP402T	Medicinal Chemistry I – Theory	3	1	4
BP403T	Physical Pharmaceutics II – Theory	3	1	4
BP404T	Pharmacology I – Theory	3	1	4
BP405T	Pharmacognosy and Phytochemistry I- Theory	3	1	4
BP406P	Medicinal Chemistry I – Practical	4	-	2
BP407P	Physical Pharmaceutics II – Practical	4	-	2
BP408P	Pharmacology I – Practical	4	-	2
BP409P	Pharmacognosy and Phytochemistry I – Practical	4	-	2
Total		31	5	28

Table-V: Course of study for semester V

Course code	Name of the course	No. of hours	Tutorial	Credit points
BP501T	Medicinal Chemistry II – Theory	3	1	4
BP502T	Industrial PharmacyI- Theory	3	1	4
BP503T	Pharmacology II – Theory	3	1	4
BP504T	Pharmacognosy and Phytochemistry II- Theory	3	1	4
BP505T	Pharmaceutical Jurisprudence – Theory	3	1	4
BP506P	Industrial PharmacyI – Practical	4	-	2
BP507P	Pharmacology II – Practical	4	-	2
BP508P	Pharmacognosy and Phytochemistry II – Practical	4	-	2
Total		27	5	26




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III Year I Semester

S. No.	Sub Code	Subject	L	T	P	Credits
1	PHR16311	Pharmacognosy -II	4	1	-	4
2	PHR16312	Medicinal Chemistry - II	4	1	-	4
3	PHR16313	Pharmaceutical Technology - I	4	1	-	4
4	PHR16314	Environmental Sciences	4	1	-	2
5	PHR16315	Pharmaceutical Management	4	1	-	3
6	PHR16316	Pharmacognosy -II Lab	-	-	3	2
7	PHR16317	Medicinal Chemistry Lab	-	-	3	2
8	PHR16318	Pharmaceutical Technology-I Lab	-	-	3	2
		Total	20	5	9	23

III Year II Semester

S. No.	Sub Code	Subject	L	T	P	Credits
1	PHR16321	Pharmaceutical Technology -II	4	1	-	4
2	PHR16322	Pharm. Biotechnology	4	1	-	4
3	PHR16323	Pharmacology - II	4	1	-	4
4	PHR16324	Medicinal Chemistry - III	4	1	-	4
5	PHR16325	Regulatory Affairs, IPR & Patents	4	1	-	2
6	PHR16326	Pharmaceutical Technology -II Lab	-	-	3	2
7	PHR16327	Pharm. Biotechnology Lab	-	-	3	2
8	PHR16328	Pharmacology Lab	-	-	3	2
		Total	20	5	9	24




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Table – 9: Course of study for (Pharmacology)

Course Code	Course	Credit Hours	Credit Points	Hrs./wk	Marks
Semester I					
MPA101T	Modern Pharmaceutical Analytical Techniques	4	4	4	100
MPL101T	Advanced Pharmacology-I	4	4	4	100
MPL102T	Pharmacological and Toxicological Screening Methods-I	4	4	4	100
MPL103T	Cellular and Molecular Pharmacology	4	4	4	100
MPL104P	Pharmacology Practical I	12	6	12	150
-	Seminar/Assignment	7	4	7	100
Total		35	26	35	650
Semester II					
MPL201T	Advanced Pharmacology II	4	4	4	100
MPL102T	Pharmacological and Toxicological Screening Methods-II	4	4	4	100
MPL203T	Principles of Drug Discovery	4	4	4	100
MPL204T	Experimental Pharmacology practical- II	4	4	4	100
MPL205P	Pharmacology Practical II	12	6	12	150
-	Seminar/Assignment	7	4	7	100
Total		35	26	35	650




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Table – 4: Course of study for M. Pharm. (Pharmaceutical Analysis)

Course Code	Course	Credit Hours	Credit Points	Hrs./wk	Marks
Semester I					
MPA101T	Modern Pharmaceutical Analytical Techniques	4	4	4	100
MPA102T	Advanced Pharmaceutical Analysis	4	4	4	100
MPA103T	Pharmaceutical Validation	4	4	4	100
MPA104T	Food Analysis	4	4	4	100
MPA105P	Pharmaceutical Analysis Practical I	12	6	12	150
-	Seminar/Assignment	7	4	7	100
Total		35	26	35	650
Semester II					
MPA201T	Advanced Instrumental Analysis	4	4	4	100
MPA202T	Modern Bio-Analytical Techniques	4	4	4	100
MPA203T	Quality Control and Quality Assurance	4	4	4	100
MPA204T	Cosmetic Analysis and Evaluation	4	4	4	100
MPA205P	Pharmaceutical Analysis Practical II	12	6	12	150
-	Seminar/Assignment	7	4	7	100
Total		35	26	35	650



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Table – 7: Course of study for M. Pharm. (Pharmaceutics)

Course Code	Course	Credit Hours	Credit Points	Hrs/wk	Marks
Semester I					
MPA101T	Modern Pharmaceutical Analytical Techniques ✓	4	4	4	100
MPH101T	Modified Release Drug Delivery System ✓	4	4	4	100
MPH102T	Modern Pharmaceutics ✓	4	4	4	100
MPH103T	Pharmaceutical Regulatory Affair ✓	4	4	4	100
MPH104P	Pharmaceutics Practical I ✓	12	6	12	150
-	Seminar/Assignment	7	4	7	100
Total		35	26	35	650
Semester II					
MPH201T	Molecular Pharmaceutics(Nano Tech and Targeted DDS) ✓	4	4	4	100
MPH202T	Advanced Biopharmaceutics & Pharmacokinetics ✓	4	4	4	100
MPH203T	Computer Aided Drug Delivery System ✓	4	4	4	100
MPH204T	Cosmetic and Cosmeceuticals ✓	4	4	4	100
MPH205P	Pharmaceutics Practical I ✓	12	6	12	150
-	Seminar/Assignment	7	4	7	100
Total		35	26	35	650




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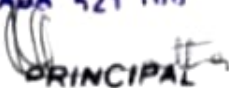

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Table – 13: Course of study for M. Pharm. III Semester
(Common for All Specializations)

Course Code	Course	Credit Hours	Credit Points
MRM101T	Research Methodology and Biostatistics* ✓	4	4
-	Journal club	1	1
-	Discussion / Presentation (Proposal Presentation)	2	2
-	Research Work ✓	28	14
Total		35	21

* Non University Exam

Table – 14: Course of study for M. Pharm. IV Semester
(Common for All Specializations)

Course Code	Course	Credit Hours	Credit Points
-	Journal Club	1	1
-	Research Work ✓	31	16
-	Discussion/Final Presentation	3	3
Total		35	20

Table – 15: Semester wise credits distribution

Semester	Credit Points
I	26
II	26
III	21
IV	20
Co-curricular Activities (Attending Conference, Scientific Presentations and Other Scholarly Activities)	Minimum=02 Maximum=07*
Total Credit Points	Minimum=95 Maximum=100*

*Credit Points for Co-curricular Activities




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Tables – 22: Schemes for internal assessments and end semester examinations (Pharmaceutics)

Course Code	Course	Internal Assessment				End Semester Exams		Total Marks
		Continuous Mode	Sessional Exams		Total	Marks	Duration	
			Marks	Duration				
SEMESTER I								
MPA101T	Modern Pharmaceutical Analytical Techniques	10	15	1 Hr	25	75	3 Hrs	100
MPH101T	Modified Release Drug Delivery System	10	15	1 Hr	25	75	3 Hrs	100
MPH102T	Modern Pharmaceutics	10	15	1 Hr	25	75	3 Hrs	100
MPH103T	Pharmaceutical Regulatory Affair	10	15	1 Hr	25	75	3 Hrs	100
MPH104P	Pharmaceutics Practical I	20	30	6 Hrs	50	100	6 Hrs	150
-	Seminar /Assignment	-	-	-	-	-	-	100
Total								650
SEMESTER II								
MPH201T	Molecular Pharmaceutics(Nano Tech and Targeted DDS)	10	15	1 Hr	25	75	3 Hrs	100
MPH202T	Advanced Biopharmaceutics & Pharmacokinetics	10	15	1 Hr	25	75	3 Hrs	100
MPH203T	Computer Aided Drug Delivery System	10	15	1 Hr	25	75	3 Hrs	100
MPH204T	Cosmetic and Cosmeceuticals	10	15	1 Hr	25	75	3 Hrs	100
MPH205P	Pharmaceutics Practical I	20	30	6 Hrs	50	100	6 Hrs	150
-	Seminar /Assignment	-	-	-	-	-	-	100
Total								650




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Tables – 19: Schemes for internal assessments and end semester examinations (Pharmaceutical Analysis)

Course Code	Course	Internal Assessment				End Semester Exams		Total Marks
		Continuous Mode	Sessional Exams		Total	Marks	Duration	
			Marks	Duration				
SEMESTER I								
MPA101T	Modern Pharmaceutical Analysis	10	15	1 Hr	25	75	3 Hrs	100
MPA102T	Advanced Pharmaccutical Analysis	10	15	1 Hr	25	75	3 Hrs	100
MPA103T	Pharmaceutical Validation	10	15	1 Hr	25	75	3 Hrs	100
MPA104T	Food Analysis	10	15	1 Hr	25	75	3 Hrs	100
MPA105P	Pharmaceutical Analysis-I	20	30	6 Hrs	50	100	6 Hrs	150
-	Seminar /Assignment	-	-	-	-	-	-	100
Total								650
SEMESTER II								
MPA201T	Advanced Instrumental Analysis	10	15	1 Hr	25	75	3 Hrs	100
MPA202T	Modern Bio-Analytical Techniques	10	15	1 Hr	25	75	3 Hrs	100
MPA203T	Quality Control and Quality Assurance	10	15	1 Hr	25	75	3 Hrs	100
MPA204T	Cosmetic Analysis and Evaluation	10	15	1 Hr	25	75	3 Hrs	100
MPA205P	Pharmaceutical Analysis-II	20	30	6 Hrs	50	100	6 Hrs	150
-	Seminar /Assignment	-	-	-	-	-	-	100
Total								650




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Course Code	Course	Internal Assessment				End Semester Exams		Total Marks
		Continuous Mode	Sessional Exams		Total	Marks	Duration	
			Marks	Duration				
SEMESTER I								
MPA101T	Modern Pharmaceutical Analytical Techniques	10	15	1 Hr	25	75	3 Hrs	100
MPL101T	Advanced Pharmacology-I	10	15	1 Hr	25	75	3 Hrs	100
MPL102T	Pharmacological and Toxicological Screening Methods-I	10	15	1 Hr	25	75	3 Hrs	100
MPL103T	Cellular and Molecular Pharmacology	10	15	1 Hr	25	75	3 Hrs	100
MPL104P	Pharmacology Practical I	20	30	6 Hrs	50	100	6 Hrs	150
-	Seminar /Assignment	-	-	-	-	-	-	100
Total								650
SEMESTER II								
MPL201T	Advanced Pharmacology II	10	15	1 Hr	25	75	3 Hrs	100
MPL102T	Pharmacological and Toxicological Screening Methods-II	10	15	1 Hr	25	75	3 Hrs	100
MPL203T	Principles of Drug Discovery	10	15	1 Hr	25	75	3 Hrs	100
MPL204T	Experimental Pharmacology practical- II	10	15	1 Hr	25	75	3 Hrs	100
MPL205P	Pharmacology Practical II	20	30	6 Hrs	50	100	6 Hrs	150
-	Seminar /Assignment	-	-	-	-	-	-	100
Total								650




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Tables – 28: Schemes for internal assessments and end semester examinations (Semester III& IV)

Course Code	Course	Internal Assessment				End Semester Exams		Total Marks
		Continuous Mode	Sessional Exams		Total	Marks	Duration	
			Marks	Duration				
SEMESTER III								
MRM101T	Research Methodology and Biostatistics*	10	15	1 Hr	25	75	3 Hrs	100
-	Journal club	-	-	-	25	-	-	25
-	Discussion / Presentation (Proposal Presentation)	-	-	-	50	-	-	50
-	Research work*	-	-	-	-	350	1 Hr	350
Total								525
SEMESTER IV								
-	Journal club	-	-	-	25	-	-	25
-	Discussion / Presentation (Proposal Presentation)	-	-	-	75	-	-	75
-	Research work and Colloquium	-	-	-	-	400	1 Hr	400
Total								500

*Non University Examination



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b) Pharm.D. (Post Baccalaureate) Course -

A pass in B.Pharm from an institution approved by the Pharmacy Council of India under section 12 of the Pharmacy Act:

Provided that there shall be reservation of seats for the students belonging to the Scheduled Castes, Scheduled Tribes and other Backward Classes in accordance with the instructions issued by the Central Government/State Government/Union Territory Administration as the case may be from time to time.

5. Number of admissions in the above said programmes shall be as prescribed by the Pharmacy Council of India from time to time and presently be restricted as below -

i) Pharm.D. Programme - 30 students.

ii) Pharm.D. (Post Baccalaureate) Programme - 10 students.

6. Institutions running B.Pharm programme approved under section 12 of the Pharmacy Act, will only be permitted to run Pharm.D. programme. Pharm.D. (Post Baccalaureate) programme will be permitted only in those institutions which are permitted to run Pharm.D. programme.

7. Course of study. - The course of study for Pharm.D. shall include the subjects as given in the Tables below. The number of hours in a week, devoted to each subject for its teaching in theory, practical and tutorial shall not be less than that noted against it in columns (3), (4) and (5) below.

TABLES

First Year:

S.No.	Name of Subject	No. of hours of Theory	No. of hours of Practical	No. of hours of Tutorial
(1)	(2)	(3)	(4)	(5)
1.1	Human Anatomy and Physiology	3	3	1
1.2	Pharmaceutics	2	3	1
1.3	Medicinal Biochemistry	3	3	1
1.4	Pharmaceutical Organic Chemistry	3	3	1
1.5	Pharmaceutical Inorganic Chemistry	2	3	1
	Remedial/Analytical Biology	3		1
	Total hours	16	18	6 = (40)

* For Biology



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2.3	Pharmacology & Physiopharmacology	3	-	1
2.4	Pharmacology-I	3	-	1
2.5	Community Pharmacy	2	-	1
2.6	Pharmacotherapeutics-I	3	3	1
Total Hours		17	9	6 = 32

Third Year:

S.No.	Name of Subject	No. of hours of Theory	No. of hours of Practical	No. of hours of Tutorial
(1)	(2)	(3)	(4)	(5)
3.1	Pharmacology-II	3	3	1
3.2	Pharmaceutical Analysis	3	3	1
3.3	Pharmacotherapeutics-II	3	3	1
3.4	Pharmaceutical Jurisprudence	2	-	-
3.5	Medicinal Chemistry	3	3	1
3.6	Pharmaceutical Formulations	2	3	1
Total hours		16	15	5 = 36




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S.No.	Name of Subject	No. of hours of Theory	No. of hours of Practical/Hospital Posting	No. of hours of Tutorial
(1)	(2)	(3)	(4)	(5)
4.1	Pharmacotherapeutics-III	3	3	1
4.2	Hospital Pharmacy	2	3	1
4.3	Clinical Pharmacy	3	3	1
4.4	Biostatistics & Research Methodology	2	-	1
4.5	Biopharmaceutics & Pharmacokinetics	3	3	1
4.6	Clinical Toxicology	2	-	1
	Total hours	15	12	6 = 33

Fifth Year:

S.No.	Name of Subject	No. of hours of Theory	No. of hours of Hospital posting*	No. of hours of Seminar
(1)	(2)	(3)	(4)	(5)
5.1	Clinical Research	3	-	1
5.2	Pharmacoepidemiology and Pharmacoeconomics	3	-	1
5.3	Clinical Pharmacokinetics & Pharmacotherapeutic Drug Monitoring	2	-	1
5.4	Clerkship *	-	-	1
5.5	Project work (Six Months)	-	20	-
	Total hours	8	20	4 = 32

* Attending ward rounds on daily basis



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Sixth Year:

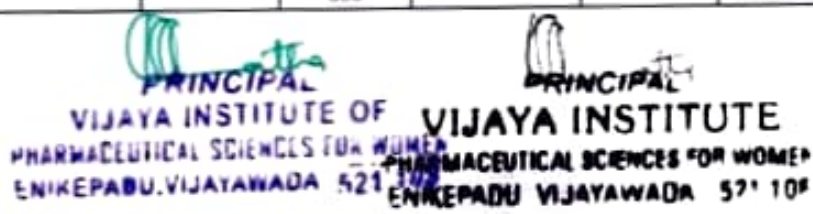
Internship or residency training including postings in speciality units. Student should independently provide the clinical pharmacy services to the allotted wards.

- (i) Six months in General Medicine department, and
- (ii) Two months each in three other speciality departments

8. Syllabus. – The syllabus for each subject of study in the said Tables shall be as specified in Appendix -A to these regulations.
 9. Approval of the authority conducting the course of study. – (1) No person, institution, society or university shall start and conduct Pharm.D or Pharm.D. (Post Baccalaureate) programme without the prior approval of the Pharmacy Council of India.
 - (2) Any person or pharmacy college for the purpose of obtaining permission under sub-section (1) of section 12 of the Pharmacy Act, shall submit a scheme as prescribed by the Pharmacy Council of India.
 - (3) The scheme referred to in sub-regulation (2) above, shall be in such form and contain such particulars and be preferred in such manner and be accompanied with such fee as may be prescribed:
- Provided that the Pharmacy Council of India shall not approve any institution under these regulations unless it provides adequate arrangements for teaching in regard to building, accommodation, labs., equipments, teaching staff, non-teaching staff, etc., as specified in Appendix-B to these regulations.
10. Examination. – (1) Every year there shall be an examination to examine the students.
 - (2) Each examination may be held twice every year. The first examination in a year shall be the annual examination and the second examination shall be supplementary examination.
 - (3) The examinations shall be of written and practical (including oral nature) carrying maximum marks for each part of a subject as indicated in Tables below :

TABLES**First Year examination :**

S.No.	Name of Subject	Maximum marks for Theory			Maximum marks for Practicals		
		Examination	Seminal	Total	Examination	Seminal	Total
1.1	Human Anatomy and Physiology	70	30	100	70	30	100
1.2	Pharmaceutics	70	30	100	70	30	100
1.3	Medicinal Biochemistry	70	30	100	70	30	100
1.4	Pharmaceutical Organic Chemistry	70	30	100	70	30	100
1.5	Pharmaceutical Inorganic Chemistry	70	30	100	70	30	100
	Remedial Mathematics	70	30	100	70*	30*	100*
				600			600 = 1200



IV Year – I SEMESTER

S. No.	Subject	T	P	Credits
1	Pharmaceutical Analysis -II	3 +1	-	4
2	Bio assays & Toxicology	3 +1	-	4
3	Chemistry of Natural Products	3 +1	-	4
4	Hospital & Community Pharmacy	3 +1	-	4
5	Pharmaceutical Jurisprudence	3 +1	-	3
6	Pharmaceutical Analysis – II Lab	-	3	2
7	Bio assays & Toxicology Lab	-	3	2
8	Chemistry of Natural Products	-	3	2
9	Project Commencement	-	-	-
Total Credits				25

IV Year – II SEMESTER

S. No.	Subject	T	P	Credits
1	Biopharmaceutics & Pharmacokinetics	3 +1	-	4
2	Clinical Pharmacy, Therapeutics & Pharmacovigilance	3 +1	-	3
3	Controlled release & Novel Drug Delivery Systems	3 +1	-	4
4	Quality Assurance, GMP, GLP	3 +1	3	3
5	Biopharmaceutics & Pharmacokinetics Lab	-	3	2
6	Project Work	-	-	4
7	Project Seminar	-	-	4
8	Comprehensive Viva	-	-	2
Total Credits				26



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