

19-20

# Pharmacy Council of India


New Delhi

## Rules & Syllabus for the Bachelor of Pharmacy (B. Pharm) Course

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[Framed under Regulation 6, 7 & 8 of the Bachelor of  
Pharmacy (B. Pharm) course regulations 2014]



  
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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
<b>Total</b>		<b>32/34<sup>\$</sup>/36<sup>#</sup></b>	<b>4</b>	<b>27/29<sup>\$</sup>/30<sup>#</sup></b>

<sup>#</sup>Applicable ONLY for the students who have studied Mathematics / Physics / Chemistry at HSC and appearing for Remedial Biology (RB)course.

<sup>\$</sup>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
<b>Total</b>		<b>32</b>	<b>4</b>	<b>29</b>

\*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
BP 308P	Pharmaceutical Engineering – Practical	4	-	2
<b>Total</b>		<b>28</b>	<b>4</b>	<b>24</b>



  
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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
<b>Total</b>		<b>31</b>	<b>5</b>	<b>28</b>

**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
<b>Total</b>		<b>27</b>	<b>5</b>	<b>26</b>



  
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### III Year I Semester

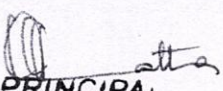
S. No.	Sub Code	Subject	L	T	P	Credits
1	PHR16311	Pharmacognosy -II	4	1	-	4
2	PHR16312	Medicinal Chemistry - II	4	1	-	4
3	PHR16313	Pharmaceutical Technology - I	4	1	-	4
4	PHR16314	Environmental Sciences	4	1	-	2
5	PHR16315	Pharmaceutical Management	4	1	-	3
6	PHR16316	Pharmacognosy -II Lab	-	-	3	2
7	PHR16317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

### 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
		<b>Total</b>	<b>20</b>	<b>5</b>	<b>9</b>	<b>24</b>



  
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## 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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M.Pharm  
(PCIT)

**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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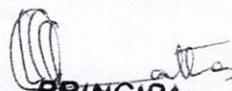
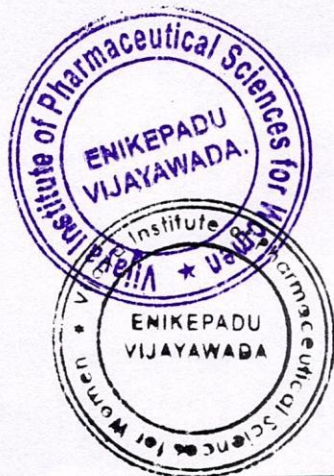

  
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Table – 7: Course of study for M. Pharm. (Pharmaceutics)

Course Code	Course	Credit Hours	Credit Points	Hrs./wk	Marks
<b>Semester I</b>					
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
<b>Total</b>		<b>35</b>	<b>26</b>	<b>35</b>	<b>650</b>
<b>Semester II</b>					
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
<b>Total</b>		<b>35</b>	<b>26</b>	<b>35</b>	<b>650</b>



  
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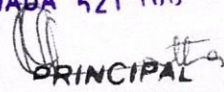
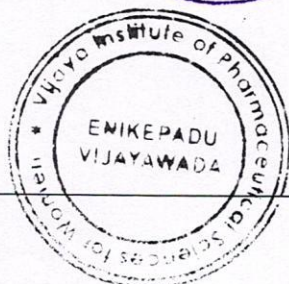

  
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Table – 4: Course of study for M. Pharm. (Pharmaceutical Analysis)

Course Code	Course	Credit Hours	Credit Points	Hrs./wk	Marks
<b>Semester I</b>					
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
<b>Total</b>		<b>35</b>	<b>26</b>	<b>35</b>	<b>650</b>
<b>Semester II</b>					
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
<b>Total</b>		<b>35</b>	<b>26</b>	<b>35</b>	<b>650</b>



  
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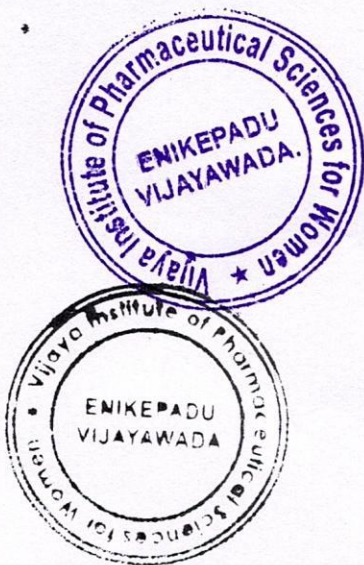
  
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Table – 9: Course of study for (Pharmacology)

Course Code	Course	Credit Hours	Credit Points	Hrs./wk	Marks
<b>Semester I</b>					
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
<b>Total</b>		<b>35</b>	<b>26</b>	<b>35</b>	<b>650</b>
<b>Semester II</b>					
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
<b>Total</b>		<b>35</b>	<b>26</b>	<b>35</b>	<b>650</b>



  
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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
<b>Total</b>		<b>35</b>	<b>21</b>

\* Non University Exam

**Table – 14: Course of study for M. Pharm. IV Semester**

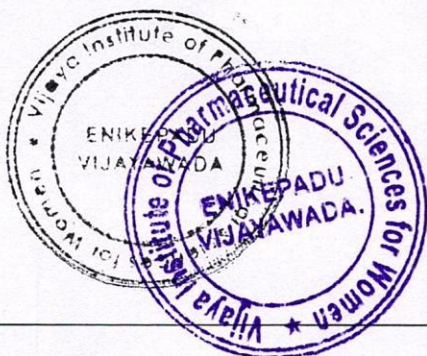
**(Common for All Specializations)**


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

**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*
<b>Total Credit Points</b>	<b>Minimum=95 Maximum=100*</b>

\*Credit Points for Co-curricular Activities

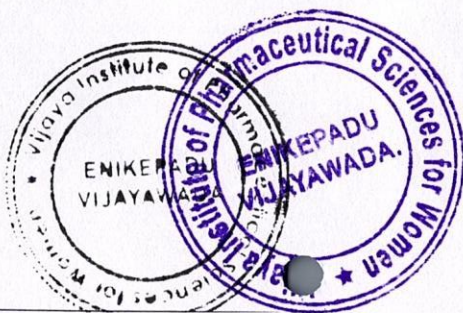



  
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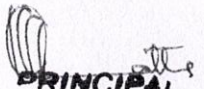


**Tables – 22: Schemes for internal assessments and end semester examinations (Pharmaceutics)**

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 Pharmaceutical 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



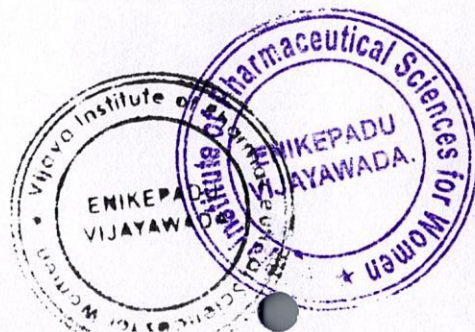
  
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**Tables – 24: Schemes for internal assessments and end semester examinations (Pharmacology)**

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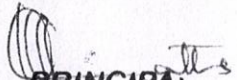
**Tables – 28: Schemes for internal assessments and end semester examinations (Semester III& IV)**

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.

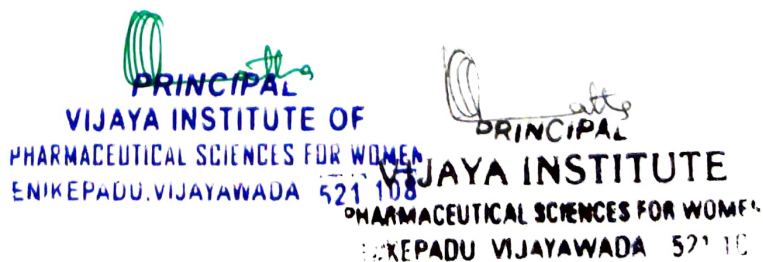
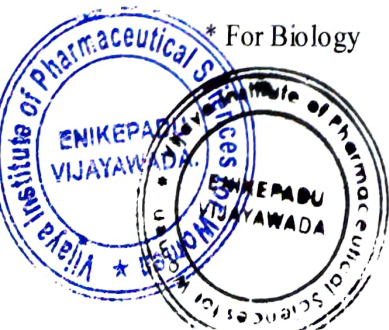
7. Course of study. - The course of study for Pharm.D. shall include the subjects as given in the Tables below. The number of hours in a week, devoted to each subject for its teaching in theory, practical and tutorial shall not be less than that noted against it in columns (3), (4) and (5) below.

## 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
1.6	Remedial Mathematics/ Biology	3	3*	1
	<b>Total hours</b>	<b>16</b>	<b>18</b>	<b>6 = (40)</b>

\* For Biology



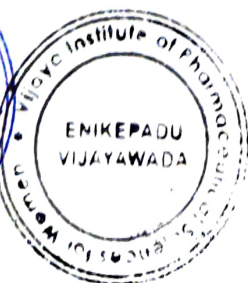


Second Year:

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)
2.1	Pathophysiology ✓	3	-	1
2.2	Pharmaceutical Microbiology ✓	3	3	1
2.3	Pharmacognosy & Phytopharmaceuticals ✓	3	3	1
2.4	Pharmacology-I ✓	3	-	1
2.5	Community Pharmacy ✓	2	-	1
2.6	Pharmacotherapeutics-I ✓	3	3	1
	<b>Total Hours</b>	<b>17</b>	<b>9</b>	<b>6 = 32</b>

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
	<b>Total hours</b>	<b>16</b>	<b>15</b>	<b>5 = 36</b>



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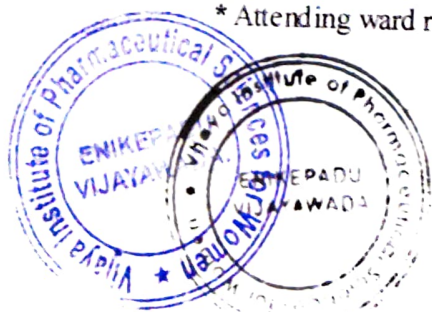
**Fourth Year:**

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
	<b>Total hours</b>	<b>15</b>	<b>12</b>	<b>6 = 33</b>

**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	-
	<b>Total hours</b>	<b>8</b>	<b>20</b>	<b>4 = 32</b>

\* 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.

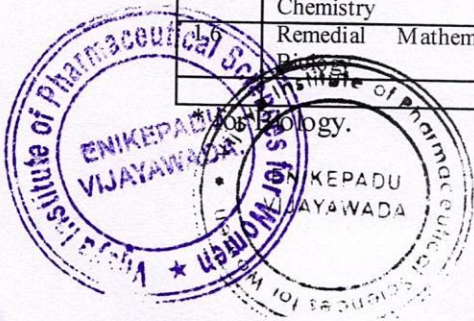
- (i) Six months in General Medicine department, and
- (ii) Two months each in three other speciality departments


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:

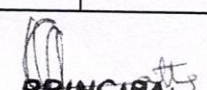
Provided that the Pharmacy Council of India shall not approve any institution under these regulations unless it provides adequate arrangements for teaching in regard to building, accommodation, labs., equipments, teaching staff, non-teaching staff, etc., as specified in Appendix-B to these regulations.
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	Sessional	Total	Examination	Sessional	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
1.6	Remedial Mathematics/ Biology.	70	30	100	70*	30*	100*
				600			600 = 1200



  
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### B. Pharm Project students List 2020-21

S. No	Register No	Name of the Student
1	177N1R0001	Maramreddy Hema Latha
2	177N1R0002	Arepalli Manisha Gowd
3	177N1R0003	Dhanekula Mounika Chowdary
4	177N1R0004	Harila Tummala
5	177N1R0005	Ventrapragada Girija Naga Sai Sunethri
6	177N1R0006	Thondepu Pavani Priya
7	177N1R0007	Challa Bhargavi
8	177N1R0008	Mendu Swetha Manasa
9	177N1R0009	Kunapareddy Manasa
10	177N1R0011	Vemuri Ramya Sri
11	177N1R0012	Chennu Greeshmika
12	177N1R0013	Gottam Divya Sree
13	177N1R0014	Yaddanapudi Sushma
14	177N1R0015	Veeranki Jyothirmai
15	177N1R0016	Mudunuri Jahnvi Sai
16	177N1R0017	Mohammed Ayesha
17	177N1R0018	Abdul Meharajunnisa
18	177N1R0019	Karimella Naga Ramya Krishna
19	177N1R0020	Buddhavarapu Sri Lakshmi
20	177N1R0021	Mareedu Supriya
21	177N1R0022	Kinnera Sumi
22	177N1R0023	Pandurangi Susmitha
23	177N1R0024	Mounika Arigela
24	177N1R0025	Tammu Deepika
25	177N1R0026	Namgedda Sowmya
26	177N1R0027	Viswanadhapalli Deepika
27	177N1R0028	Kumpati Swetha



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28	177N1R0030	Bevara Prasanthi
29	177N1R0031	Sarnala Uma Maheswari
30	177N1R0032	Buddhavarapu Dhana Lakshmi
31	177N1R0033	Tommandru Prathyusha
32	177N1R0034	Balaga Roopalatha
33	177N1R0035	Chimata Divyanjali
34	177N1R0036	Koyyuru Kavitha
35	177N1R0037	Umadevi Balla
36	177N1R0038	Shaik Zahara
37	177N1R0039	Pachigalla Kavya
38	177N1R0040	Markapudi Nirmala Kumari
39	177N1R0041	Shaik Sayeeda Sarah
40	177N1R0042	Kandrakonda Hima Bindu
41	177N1R0043	Kuram Vidya Gowri Sri
42	177N1R0044	Shaik Rahimunnisa
43	177N1R0045	Tarra Sandhya Rani
44	177N1R0046	Motupalli Navya
45	177N1R0047	Rama Gayathri Mylavarapu
46	177N1R0048	Chimata Uma Devi
47	177N1R0049	Tumaty Bhavana
48	177N1R0050	Davuluri Bindu Chowdary
49	177N1R0051	Sree Sowmya Kolli
50	177N1R0052	Kanagala Rajya Lakshmi
51	177N1R0053	Kothapalli Ramya
52	177N1R0054	Sigirisetty Mounika
53	177N1R0055	Shaik Neha
54	177N1R0056	Shaik Shakirunnisa
55	177N1R0057	B B Rahamatha
56	177N1R0058	Shaik Sabiha Banu





57	177N1R0059	Madduru Jyotshna Lakshmi Manasa Reddy
58	177N1R0060	Ravulapati Vyshnavi
59	177N1R0062	Gaddam Prasanthi
60	177N1R0063	Syed Nyma Sulthana
61	177N1R0064	Devarakonda Monika Pushpa
62	177N1R0065	Narra Neeraja
63	177N1R0066	Reddy Satya Veni
64	177N1R0067	Chamarthi Suneetha
65	177N1R0068	Gundimeda Sandhya Vani
66	177N1R0069	Pakalapati Chandana
67	177N1R0070	Sunkesula Geetha
68	177N1R0071	Divya Sree Chillara
69	177N1R0072	Potu Sindhu
70	177N1R0073	Anumula Hari Chandana
71	177N1R0074	Medavarapu Laxmi Pranitha
72	177N1R0075	Vattikonda Supriya
73	177N1R0076	Meka Anvitha
74	177N1R0077	Yakkanti Gayathri
75	177N1R0078	Myla Manasa
76	177N1R0079	Puvuadi Sugandhi
77	177N1R0080	Ogirala Krupa Santhi
78	177N1R0081	Kanakapatri Jyothi
79	177N1R0082	Palla Sirisha Rani
80	177N1R0083	Chalamala Ramyanjali
81	177N1R0084	Nagulapati Sailaja
82	177N1R0085	Chatragadda Kiranmai
83	177N1R0087	Kampa Mounika
84	177N1R0088	Madugula Renuka
85	177N1R0089	Bavi Mounika




  
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86	177N1R0090	Dubbaku Sushma
87	177N1R0091	Kopuru Manasa



  
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**B. PHARMACY PROJECT LIST 2020-2021**

S. No	Project Supervisor	Reg. No	Students	Title of the Project	Department
1.	Mrs. G. Madhavi	177N1R0030 177N1R0058 177N1R0067 177N1R0076 177N1R0084	B. Prashanti Shaik Sabiha Bhanu Ch. Sunitha Meka Anvitha N. Sailaja	Preparation and characterization of Zolmitriptan oral integrating agents	Pharmaceutics
2.	Mrs. G. Pramoda	177N1R0004 177N1R0053 177N1R0072 177N1R0091 177N1R0070	T. Harila K. Ramya P. Sindhu K. Manasa S. Geetha	Formulation and characterization of floating tablets of Irbesartan for Gastro Retentive drug delivery	Pharmaceutics
3.	Mrs. A. Hima Bindhu	177N1R0031 177N1R0037 177N1R0059 177N1R0065 177N1R0078	S. Uma Maheswari B. Umadevi M.J.L. Manasa Reddy N. Neeraja M. Manasa	Formulation and Evaluation of Vildagliptin beads by Iontropic Gelation method	Pharmaceutics
4.	S. Venkateswara Rao	177N1R0043 177N1R0044 177N1R0063	K. Vidhya Gowri Sri SK. Rahimunnisha SD. Nymasulthana	Development of fast dissolving Tablets using Co-processed super disintegrants	Pharmaceutics



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### B. PHARMACY PROJECT LIST 2020-2021

5.	Mrs. D. Vijaya Durga	177N1R0025 177N1R0034 177N1R0062	T. Deepika Balaga Roopalatha Gaddam Prasanthi	Estimation of Lamivudine in commercial dosage form using a sensitive validated UV-Spectrophotometric method	Pharmaceutical Analysis	<i>[Signature]</i>
6.	Dr. S. Sundar	177N1R0002 177N1R0011 177N1R0017 177N1R0022 177N1R0023	A. Manisha Gowd V. Ramyasri Md. Ayesha K. Sumi P. Susmitha	Antibacterial Anti-Fungal Activity of Some Medicinal Plants	Biotechnology	<i>[Signature]</i>
7.	Mrs. D. Shanthi Krupa	177N1R0007 177N1R0008 177N1R0019 177N1R0047 177N1R0051	Ch. Bhargavi M. Swetha K. Ramya Krishna M. Rama Gayatri K. Sree Sowmya	Evaluation of Cytotoxicity of different Azadiracta Indica extracts	Pharmacology	<i>[Signature]</i>
8.	Dr. Sivadasu Praveen	177N1R0014 177N1R0018 177N1R0055 177N1R0064 177N1R0073	Y. Sushma Abdul. Meharajunnisa Shaik. Neha D. Monika Pushpa A. Hari Chandana	Development and evaluation of Novel colon targeted drug delivery systems using natural polymers.	Pharmaceutics	<i>[Signature]</i>



**B. PHARMACY PROJECT LIST 2020-2021**

9.	Mr. M. Bala Krishna	177N1R0026 177N1R0035 177N1R0060 177N1R0081 177N1R0054	N. Soumya Ch. Divyanjali R. Vyshnavi K. Jyothi S. Mounika	UV Spectrophotometric method development and validation of Zidovudine in bulk and pharmaceutical dosage form	Pharmaceutical Analysis	ND
10.	Ms. R. Sunitha	177N1R0003 177N1R0013 177N1R0021 177N1R0027 177N1R0028	D. Mounika Chowdary G. Divya Sree M. Supriya V. Deepika K. Swetha	In vivo Evaluation of anti-diabetic activity of stem bark of Mangifera indica	Pharmacognosy	S
11.	Mrs. Ch. Anupama Swathi	177N1R0045 177N1R0056 177N1R0075 177N1R0080	T. Sandhya Rani Md. Shakeerunnissa V. Supriya O. Krupa Santhi	Method Development and Validation of Vildagliptin using UV Spectrophotometer	Pharmaceutical Analysis	A
12.	Mrs. B. Hemalatha	177NIR0006 177NIR0009 177NIR0012 177NIR0039 177NIR0041	T. Pavani Priya K. Manasa Ch. Greeshmika P. Kavya Sk. Sayeeda Sarah	Formulation and evaluation of Oxiconazole Emulgel for topical drug delivery	Pharmaceutics	BA
13.	Mrs. M. Vani	177N1R0005 177N1R0015 177N1R0020 177N1R0069 177N1R0089	V. G. N. Sai Sunethri Veeranki Jyothirmal B. Sri Lakshmi P. Chandana B. Mounika	Invitro Anti-Athritic activity of Muntingia Calabura	Pharmacognosy	CM



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14.	Mr. A. Jaya Rami Reddy	177N1R0052 177N1R0040 177N1R0088 177N1R0068 177N1R0077 177N1R0087 177N1R0085	K. Rajyalakshmi M. Nirmala M. Renuka G. Sandhya Vani Y. Gayathri K. Mounika Ch. Kiranmai	Rate of Renal elimination of nephrotoxic agents in rats using coconut water	Pharmacology	ASR
15.	Bhavana. Atluri	177N1R0038 177N1R0046 177N1R0049 177N1R0057 177N1R0071	Shaik Zahara Motupalli Navya Tumati Bhavana B B Rahamatha Divya Sree Chillara	Evaluation of <i>In- Vitro</i> Anti- Diabetic & Anti – Inflammatory activities of <i>Syzygium cumini</i> leaf extract on Sprague dawley rats.	Pharmacology	ASR
16.	Mrs. P. M.M. Naga Lakshmi Varma	177N1R0001 177N1R0016 177N1R0032 177N1R0036 177N1R0042	M. Hemalatha M. Jahnavi Sai B. Dhana Lakshmi K. Kavitha K. Himabindu	Design and Development of Oro dispersible Tablets of Fluconazole.	Pharmaceutics	HR
17.	S. Venkateswara Rao	177N1R0024 177N1R0048 177N1R0066	A. Mounika CH. Umadevi R. Satya Veni	Formulation and Evaluation of Gastro Resistant Esomeprazole loaded microspheres.	Pharmaceutics	S. Venkateswara Rao
18.	Mrs. Ch. Anupama Swathi	177N1R0033 177N1R0050 177N1R0074 177N1R0079 177N1R0083 177N1R0083	T. Prathyusha D. Bindhu Chowdary M. Lakshmi Pranitha P. Sugandi K. Ramyanjali D. Sushma	Method Development and validation of prasugrel in bulk and tablet dosage form by using UV-Spectrophotometer		ASR





**M. PHARMACY PROJECT STUDENT LIST (2020-2021)**

S. No	Register No	Name of the Student
1	197N1S0301	Allamsetti Geethanjali
2	197N1S0302	Attuluri Devi Priya Darsini
3	197N1S0303	Shaik Shaheda Begum
4	197N1S0304	Kanumolu Ramya Krishna
5	197N1S0305	Kongala Aswini
6	197N1S0306	Mohammed Reshma Sulthana
7	197N1S0307	Kadari Kiran Mai
8	197N1S0308	Kondiparthi Naga Prathyusha
9	197N1S0309	Gunde Bhavya
10	197N1S0310	Appikatla Bhavani
11	197N1S0311	Ramisetty Naga Jagadeeswari
12	197N1S0312	Kotha Sravya
13	197N1S0313	Yakkali Janaki Hanumanth Madhuri
14	197N1S0314	Datla Bhagya Sri Vani
15	197N1S1601	Kattepogu Bhagya Sri
16	197N1S1602	Kunapareddy Alekhya
17	197N1S1603	Vemulapalli Sowmya Sri
18	197N1S1604	Pamarthi Naga Sowjanya
19	197N1S1605	Mugada Yamini Venkata Naga Sai Priya
20	197N1S1606	Nandam Renuka Prabhandana
21	197N1S1607	Neppala Jagadeeswari



22	197NIS1608	Rajulapati Mounika
23	197NIS1609	Mulakala Sailaja
24	197NIS0601	Maddala Rajani
25	197NIS0602	Sikharam Jaya Sai Keertana
26	197NIS0603	V. Sri Lakshmi Sai Gayatri
27	197NIS0604	Shaik Farhatunnisa
28	197NIS0605	Sathupati Likhitha
29	197NIS0606	Kodamanchili Helen
30	197NIS0607	Manuvarthi Sushma
31	197NIS0608	Devangam Bhavana
32	197NIS0609	Davuluri Sirisha
33	197NIS0610	Thondepu Hari Priya



## M.PHARMACY PROJECT LIST 2020-2021

S. NO	Name of the Guide	Reg. No	Name of the Student	Title of the project	Department
1.	Dr. Sivadasu Praveen	197N1S0301	Allamsetti Geethanjali	Formulation and Evaluation of <i>insitu</i> gel for treatment of oral thrush	Pharmaceutics
2.	Dr. Sivadasu Praveen	197N1S0302	Atluri Devi Priyadarsini	Functionality Comparison between natural and synthetic polymers in Development and <i>in-vitro</i> evaluation of colon targeted drug delivery systems for tinidazole	Pharmaceutics
3.	Mrs. PMM. Naga Lakshmi	197N1S0303	Shaik. Shaheda Begum	Formulation and Evaluation of Fluconazole Mouth Dissolving Films	Pharmaceutics
4.	Mrs. G. Madhavi	197N1S0304	K. Ramya Krishna	Fabrication and Characterization of mouth dissolving films of Candesartan Cilexetil.	Pharmaceutics
5.	Dr. Sivadasu Praveen	197N1S0305	Kongala Aswini	Formulation and evaluation of zidovudine loaded emulgel for topical delivery	Pharmaceutics
6.	S. Venkateswara Rao	197N1S0306	Mohammed Reshma Sulthana	In vitro Drug Interactions Study of Atorvastatin Calcium with Metformin Hcl and Multivitamin	Pharmaceutics
7.	Dr. Sivadasu Praveen	197N1S0307	K. Kiranmai	Formulation and invitro evaluation of oral disintegrating films of Ropinirole hydrochloride for the treatment of Parkinson's disease	Pharmaceutics





8.	Mrs. B. Hemalatha	197N1S0308	Ms. K. Naga Prathyusha	Synthesis and characterization of calcium starch: A new controlled release polymer for floating tablets of losartan potassium	Pharmaceutics
9.	Mrs. A. Hima Bindhu	197N1S0309	G. Bhavya	Formulation and <i>Invitro</i> Evaluation of Vildagliptin Gastro retentive Floating tablets	Pharmaceutics
10.	Mrs. B. Hemalatha	197N1S0310	A. Bhavani	Formulation Development and in vitro evaluation of sustained release matrix tablets of Cefpodoxime Proxetil	Pharmaceutics
11.	Dr. Sivadasu Praveen	197N1S0311	Ramisetty Naga Jagadeeswari	Formulation and Evaluation of Fluconazole loaded micro sponge gel for topical delivery	Pharmaceutics
12.	S. Venkateswara Rao	197N1S0312	Kotha Sravya	Formulation and Evaluation of Fast Dissolving Tablets of Atorvastatin Using Novel Co-Processed Excipients	Pharmaceutics
13.	S. Venkateswara Rao	197N1S0313	YJH. Madhuri	Preparation and Evaluation of Chitosan based Metronidazole Dental Film	Pharmaceutics
14.	S. Venkateswara Rao	197N1S0314	Datla Bhagya Sri Vani	Formulation and Evaluation of Simvastatin Loaded Nanoemulgel on Wound Healing Efficacy	Pharmaceutics
15.	Dr. M. Vamsi Krishna	197N1S1601	K. Bhagyasri	Development and validation of HPLC method for the estimation of levetiracetam in formulations	Pharmaceutical Analysis
16.	Dr. M. Vamsi Krishna	197N1S1602	K. Alekhya	HPLC method development and validation for the determination of Irbesartan in Pharmaceutical Dosage forms	Pharmaceutical Analysis





17.	Dr. M. Vamsi Krishna	197N1S1603	V. Sowmya Sri	HPLC Method Development and validation for the determination of Metformin, Dapagliflozin and Saxagliptin in combination drug products	Pharmaceutical Analysis
18.	Mr. M. Bala Krishna	197N1S1604	P. Naga Soujanya	RP-HPLC Method Development and Validation of Doravirine in bulk and pharmaceutical dosage forms	Pharmaceutical Analysis
19.	Mr. M. Bala Krishna	197N1S1605	M. Yamini Venkata Naga Sai Priya	RP-HPLC Method Development and Validation of Terbinafine Hcl in Bulk and Pharmaceutical Dosage forms	Pharmaceutical Analysis
20.	Mr. M. Bala Krishna	197N1S1606	N. Renuka Prabhandana	Analytical method development and validation of Lamivudine abacavir in bulk and pharmaceutical dosage forms by using NMR.	Pharmaceutical Analysis
21.	Mrs. D. Vijaya Durga	197N1S1607	N. Jagadeeswari	Analytical Method Development and Validation for the Simultaneous Estimation of Netarsudil and Latanoprost by using different Analytical methods.	Pharmaceutical Analysis
22.	Dr. M. Vamsi Krishna	197N1S1608	R. Mounika	Development and validation of HPLC method for the estimation of Voriconazole in formulations	Pharmaceutical Analysis
23.	Mrs. D. Vijaya Durga	197N1S1609	M. Sailaja	Stability Indicating RP-HPLC Method Development and Validation for the Simultaneous Estimation of Simvastatin and Sitagliptin in Bulk And its pharmaceutical Dosage form.	Pharmaceutical Analysis
24.	Mr. A. Jaya Rami Reddy	197N1S0601	Maddala Rajani	Hepatoprotective effect of Syzygium Sanarangense on Alcohol induced Liver injury in Rats.	Pharmacology






25.	Mrs. A. Bhavana	197N1S0602	S. Jaya Sai Keertana	Evaluation of the Effect of Shilajit on Experimental Models of Inflammatory Bowel Disease in Rats	Pharmacology
26.	Dr. K. Padmalatha	197N1S0603	V. Sri Lakshmi Sai Gayatri	Evaluation the Hepatoprotective Activity of Methanolic Extract of Ipomoea Reniformis.	Pharmacology
27.	Mrs A. Bhavana	197N1S0604	Sk. Farhatunnisa	Pharmacological Screening and Phytochemical Evaluation of Anti-Diabetic Activity of Asparagus Racemosus Leaves in Normal & Alloxan-Induced Diabetic Rats	Pharmacology
28.	Mr. A. Jaya Rami Reddy	197N1S0605	S. Likhitha	Anti-renal activity of aqueous leaf extract of alternanthera sessile in rats	Pharmacology
29.	Mr. A. Jayarami Reddy	197N1S0606	K. Helen	Evaluation of Anti-Atherosclerotic activity of ethanolic extract of Echinops Echinatus in Male Wistar Albino Rats by using high fat diet Induced Method."	Pharmacology
30.	Mrs A. Bhavana	197N1S0607	M. Sushma	Phytochemical Screening and Pharmacological Evaluation of Anti- Asthmatic Activity of Rubia Cordifolia.Linn in asthma induced models	Pharmacology
31.	Mr. A. Jaya Rami Reddy	197N1S0608	D. Bhavana	Anti-Diabetic and Wound healing activities of poly herbal formulation (Sarkaraikolli) on Rats	Pharmacology





32.	Mr. A. Jaya Rami Reddy	197N1S1609	Davuluri Sirisha	Phytochemical screening and pharmacological evaluation of antiepileptic activity of ethanolic extract of Gymnosporia Emarginata on electric shock and PTZ- induced convulsions in rats.	Pharmacology
33.	Mrs. M. Vani	197N1S1610	T. Hari Priya	Amelioration of Pylorus Ligation Induced Gastric Ulcers in Rats Pretreated with Stem Bark of Psidium Guajaval. and Aerial Parts of Tinosporacordifolia.	Pharmacognosy

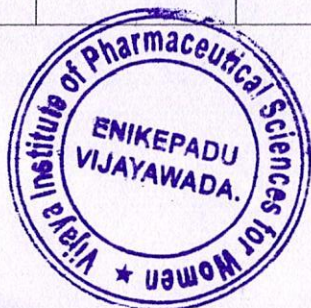


  
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**V/VI Pharm. D Project List (2020-2021)**

S. No	Register No	Name of the student	Name of the Guide	Project Titles
1.	167N1T0001 167N1T0003 167N1T0019 167N1T0028	Tahera Mubeen K. Babitha K. Shushrutha Vaseem Najhath Fathima	Dr. Y Naveen	"A Prospective comparative study of pain and different comorbid factors and its impact on quality of life in patients with Acute and Chronic Pancreatitis".
2.	167NIT0002 167NIT0005 167NIT0006 167NIT0016	M. Sujana A. N.S. Maneesha N. Mounika S. Lavanya	Dr. Y Naveen	"A prospective comparative study on evaluation of health-related quality of life in hypertensive patients and management in a tertiary care hospital".
3.	167N1T0009 167N1T0013 167N1T0017 167N1T0029	K. Sireesha G. Chandana Priya P. Madhuri D. Hema Sri	Dr. M. Tabitha Sharon	"A Prospective study on drug utilization and economic impact of anticoagulants in cardiology department at tertiary care hospital".
4.	167N1T0010 167N1T0012 167N1T0023 167N1T0030	P. Megana M. Shalini P. Neelima T. Sirisha	Dr. N. Prathibha	"Medication Non-Adherence among Psychiatric Patients -A Prospective observational study"



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5.	167N1T0026 197N1T0101 167N1T0014 167N1T0020	P. Pushpa Latha K. N Kalyani Durga K. Swetha Mohan V. Nancy	Mrs. D. Santhi Krupa	"Study on management and treatment outcomes of Diabetes Mellitus and its Comorbidities."	<i>[Signature]</i>
6.	167N1T0007 167N1T0021 167N1T0027 167N1T0032	B. Sowmya B. Pavani K. G S L Sai Sudha P. Surekha	Dr. B. Navya	"Assessment on prescribing patterns and medication adherence among pregnant and lactating women in a tertiary care hospital"	<i>B. Navya</i>
7.	167N1T0004 167N1T0008 167N1T0018 167N1T0022	K. Devi Chandhana Y. Ramya M. Sirisha N. Varalakshmi	Dr. K. Padmalatha	"An observational study on prevalence of obesity and depression in PCOD subjects".	<i>[Signature]</i>
8.	167N1T0015 167N1T0024 167N1T0025	S. Molya N. Jayasree M. Bharathi	Dr. S. Haripriya	"A psychological study on prevalence knowledge attitude practice and pattern of symptoms in premenstrual syndrome among menstruating women with an emphasis on its management"	<i>[Signature]</i>



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