



1.3.2

Number of courses that include experiential learning through project work/ field work/internships during the year

Course that include experiential learning through
project work/ field work/internships during the year

Pharmacy Council of India New Delhi

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

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



CHAPTER- I: REGULATIONS

1. Short Title and Commencement

These regulations shall be called as “The Revised Regulations for the B. Pharm. Degree Program (CBCS) of the Pharmacy Council of India, New Delhi”. They shall come into effect from the Academic Year 2016-17. The regulations framed are subject to modifications from time to time by Pharmacy Council of India.

2. Minimum qualification for admission

2.1 First year B. Pharm:

Candidate shall have passed 10+2 examination conducted by the respective state/central government authorities recognized as equivalent to 10+2 examination by the Association of Indian Universities (AIU) with English as one of the subjects and Physics, Chemistry, Mathematics (P.C.M) and or Biology (P.C.B / P.C.M.B.) as optional subjects individually. Any other qualification approved by the Pharmacy Council of India as equivalent to any of the above examinations.

2.2. B. Pharm lateral entry (to third semester):

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

3. Duration of the program

The course of study for B.Pharm shall extend over a period of eight semesters (four academic years) and six semesters (three academic years) for lateral entry students. The curricula and syllabi for the program shall be prescribed from time to time by Pharmacy Council of India, New Delhi.

4. Medium of instruction and examinations

Medium of instruction and examination shall be in English.

5. Working days in each semester

Each semester shall consist of not less than 100 working days. The odd semesters shall be conducted from the month of June/July to November/December and the even semesters shall be conducted from December/January to May/June in every calendar year.

6. Attendance and progress

A candidate is required to put in at least 80% attendance in individual courses considering theory and practical separately. The candidate shall complete the prescribed course satisfactorily to be eligible to appear for the respective examinations.



11.2. Internal assessment: Continuous mode

The marks allocated for Continuous mode of Internal Assessment shall be awarded as per the scheme given below.

Table-XI: Scheme for awarding internal assessment: Continuous mode

Theory		
Criteria	Maximum Marks	
Attendance (Refer Table – XII)	4	2
Academic activities (Average of any 3 activities e.g. quiz, assignment, open book test, field work, group discussion and seminar)	3	1.5
Student – Teacher interaction	3	1.5
Total	10	5
Practical		
Attendance (Refer Table – XII)	2	
Based on Practical Records, Regular viva voce, etc.	3	
Total	5	

Table- XII: Guidelines for the allotment of marks for attendance

Percentage of Attendance	Theory	Practical
95 – 100	4	2
90 – 94	3	1.5
85 – 89	2	1
80 – 84	1	0.5
Less than 80	0	0

11.2.1. Sessional Exams

Two Sessional exams shall be conducted for each theory / practical course as per the schedule fixed by the college(s). The scheme of question paper for theory and practical Sessional examinations is given below. The average marks of two Sessional exams shall be computed for internal assessment as per the requirements given in tables – X.

Sessional exam shall be conducted for 30 marks for theory and shall be computed for 15 marks. Similarly Sessional exam for practical shall be conducted for 40 marks and shall be computed for 10 marks.

Question paper pattern for theory Sessional examinations

For subjects having University examination

I. Multiple Choice Questions (MCQs)	=	10 x 1 = 10
OR		OR
Objective Type Questions (5 x 2)	=	05 x 2 = 10
(Answer all the questions)		
I. Long Answers (Answer 1 out of 2)	=	1 x 10 = 10
II. Short Answers (Answer 2 out of 3)	=	2 x 5 = 10

Total	=	30 marks



$$\text{SGPA} = \frac{C_1G_1 + C_2G_2 + C_3G_3 + C_4* \text{ZERO} + C_5G_5}{C_1 + C_2 + C_3 + C_4 + C_5}$$

19. Cumulative Grade Point Average (CGPA)

The CGPA is calculated with the SGPA of all the VIII semesters to two decimal points and is indicated in final grade report card/final transcript showing the grades of all VIII semesters and their courses. The CGPA shall reflect the failed status in case of F grade(s), till the course(s) is/are passed. When the course(s) is/are passed by obtaining a pass grade on subsequent examination(s) the CGPA shall only reflect the new grade and not the fail grades earned earlier. The CGPA is calculated as:

$$\text{CGPA} = \frac{C_1S_1 + C_2S_2 + C_3S_3 + C_4S_4 + C_5S_5 + C_6S_6 + C_7S_7 + C_8S_8}{C_1 + C_2 + C_3 + C_4 + C_5 + C_6 + C_7 + C_8}$$

where C_1, C_2, C_3, \dots is the total number of credits for semester I, II, III, and S_1, S_2, S_3, \dots is the SGPA of semester I, II, III,

20. Declaration of class

The class shall be awarded on the basis of CGPA as follows:

First Class with Distinction	= CGPA of 7.50 and above
First Class	= CGPA of 6.00 to 7.49
Second Class	= CGPA of 5.00 to 5.99

21. Project work

All the students shall undertake a project under the supervision of a teacher and submit a report. The area of the project shall directly relate any one of the elective subject opted by the student in semester VIII. The project shall be carried out in group not exceeding 5 in number. The project report shall be submitted in triplicate (typed & bound copy not less than 25 pages).

The internal and external examiner appointed by the University shall evaluate the project at the time of the Practical examinations of other semester(s). Students shall be evaluated in groups for four hours (i.e., about half an hour for a group of five students). The projects shall be evaluated as per the criteria given below.



Evaluation of Dissertation Book:

Objective(s) of the work done	15 Marks
Methodology adopted	20 Marks
Results and Discussions	20 Marks
Conclusions and Outcomes	20 Marks

Total	75 Marks
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Evaluation of Presentation:

Presentation of work	25 Marks
Communication skills	20 Marks
Question and answer skills	30 Marks

Total	75 Marks
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Explanation: The 75 marks assigned to the dissertation book shall be same for all the students in a group. However, the 75 marks assigned for presentation shall be awarded based on the performance of individual students in the given criteria.

22. Industrial training (Desirable)

Every candidate shall be required to work for at least 150 hours spread over four weeks in a Pharmaceutical Industry/Hospital. It includes Production unit, Quality Control department, Quality Assurance department, Analytical laboratory, Chemical manufacturing unit, Pharmaceutical R&D, Hospital (Clinical Pharmacy), Clinical Research Organization, Community Pharmacy, etc. After the Semester – VI and before the commencement of Semester – VII, and shall submit satisfactory report of such work and certificate duly signed by the authority of training organization to the head of the institute.

23. Practice School

In the VII semester, every candidate shall undergo practice school for a period of 150 hours evenly distributed throughout the semester. The student shall opt any one of the domains for practice school declared by the program committee from time to time.

At the end of the practice school, every student shall submit a printed report (in triplicate) on the practice school he/she attended (not more than 25 pages). Along with the exams of semester VII, the report submitted by the student, knowledge and skills acquired by the student through practice school shall be evaluated by the subject experts at college level and grade point shall be awarded.



BP 502 T. Industrial PharmacyI (Theory)

45 Hours

Scope: Course enables the student to understand and appreciate the influence of pharmaceutical additives and various pharmaceutical dosage forms on the performance of the drug product.

Objectives: Upon completion of the course the student shall be able to

1. Know the various pharmaceutical dosage forms and their manufacturing techniques.
2. Know various considerations in development of pharmaceutical dosage forms
3. Formulate solid, liquid and semisolid dosage forms and evaluate them for their quality

Course content:

3 hours/ week

UNIT-I

07 Hours

Preformulation Studies: Introduction to preformulation, goals and objectives, study of physicochemical characteristics of drug substances.

a. Physical properties: Physical form (crystal & amorphous), particle size, shape, flow properties, solubility profile (pKa, pH, partition coefficient), polymorphism

b. Chemical Properties: Hydrolysis, oxidation, reduction, racemisation, polymerization

BCS classification of drugs & its significant

Application of preformulation considerations in the development of solid, liquid oral and parenteral dosage forms and its impact on stability of dosage forms.

UNIT-II

10 Hours

Tablets:

- a. Introduction, ideal characteristics of tablets, classification of tablets. Excipients, Formulation of tablets, granulation methods, compression and processing problems. Equipments and tablet tooling.
- b. Tablet coating: Types of coating, coating materials, formulation of coating composition, methods of coating, equipment employed and defects in coating.
- c. Quality control tests: In process and finished product tests

Liquid orals: Formulation and manufacturing consideration of syrups and elixirs suspensions and emulsions; Filling and packaging; evaluation of liquid orals official in pharmacopoeia



BP504 T. PHARMACOGNOSY AND PHYTOCHEMISTRY II (Theory)

45Hours

Scope: The main purpose of subject is to impart the students the knowledge of how the secondary metabolites are produced in the crude drugs, how to isolate and identify and produce them industrially. Also this subject involves the study of producing the plants and phytochemicals through plant tissue culture, drug interactions and basic principles of traditional system of medicine

Objectives: Upon completion of the course, the student shall be able

1. to know the modern extraction techniques, characterization and identification of the herbal drugs and phytoconstituents
2. to understand the preparation and development of herbal formulation.
3. to understand the herbal drug interactions
4. to carryout isolation and identification of phytoconstituents

Course Content:

UNIT-I

7 Hours

Metabolic pathways in higher plants and their determination

- a) Brief study of basic metabolic pathways and formation of different secondary metabolites through these pathways- Shikimic acid pathway, Acetate pathways and Amino acid pathway.
- b) Study of utilization of radioactive isotopes in the investigation of Biogenetic studies.

UNIT-II

14 Hours

General introduction, composition, chemistry & chemical classes, biosources, therapeutic uses and commercial applications of following secondary metabolites:

Alkaloids: Vinca, Rauwolfia, Belladonna, Opium,

Phenylpropanoids and Flavonoids: Lignans, Tea, Ruta

Steroids, Cardiac Glycosides & Triterpenoids: Liquorice, Dioscorea, Digitalis

Volatile oils: Mentha, Clove, Cinnamon, Fennel, Coriander,

Tannins: Catechu, Pterocarpus

Resins: Benzoin, Guggul, Ginger, Asafoetida, Myrrh, Colophony

Glycosides: Senna, Aloes, Bitter Almond

Iridoids, Other terpenoids & Naphthaquinones: Gentian, Artemisia, taxus, carotenoids

UNIT-III

06 Hours

Isolation, Identification and Analysis of Phytoconstituents

- a) Terpenoids: Menthol, Citral, Artemisin
- b) Glycosides: Glycyrrhetic acid & Rutin
- c) Alkaloids: Atropine, Quinine, Reserpine, Caffeine
- d) Resins: Podophyllotoxin, Curcumin

UNIT-IV

10 Hours

Industrial production, estimation and utilization of the following phytoconstituents:

Forskolin, Sennoside, Artemisinin, Diosgenin, Digoxin, Atropine, Podophyllotoxin, Caffeine, Taxol, Vincristine and Vinblastine

UNIT V

8 Hours

Basics of Phytochemistry

Modern methods of extraction, application of latest techniques like Spectroscopy, chromatography and electrophoresis in the isolation, purification and identification of crude drugs.



BP701T. INSTRUMENTAL METHODS OF ANALYSIS (Theory)

45 Hours

Scope: This subject deals with the application of instrumental methods in qualitative and quantitative analysis of drugs. This subject is designed to impart a fundamental knowledge on the principles and instrumentation of spectroscopic and chromatographic technique. This also emphasizes on theoretical and practical knowledge on modern analytical instruments that are used for drug testing.

Objectives: Upon completion of the course the student shall be able to

1. Understand the interaction of matter with electromagnetic radiations and its applications in drug analysis
2. Understand the chromatographic separation and analysis of drugs.
3. Perform quantitative & qualitative analysis of drugs using various analytical instruments.

Course Content:

UNIT –I

10 Hours

UV Visible spectroscopy

Electronic transitions, chromophores, auxochromes, spectral shifts, solvent effect on absorption spectra, Beer and Lambert's law, Derivation and deviations.

Instrumentation - Sources of radiation, wavelength selectors, sample cells, detectors- Photo tube, Photomultiplier tube, Photo voltaic cell, Silicon Photodiode.

Applications - Spectrophotometric titrations, Single component and multi component analysis

Fluorimetry

Theory, Concepts of singlet, doublet and triplet electronic states, internal and external conversions, factors affecting fluorescence, quenching, instrumentation and applications

UNIT –II

10 Hours

IR spectroscopy

Introduction, fundamental modes of vibrations in poly atomic molecules, sample handling, factors affecting vibrations

Instrumentation - Sources of radiation, wavelength selectors, detectors - Golay cell, Bolometer, Thermocouple, Thermister, Pyroelectric detector and applications

Flame Photometry-Principle, interferences, instrumentation and applications



BP 811 ET. ADVANCED INSTRUMENTATION TECHNIQUES

45 Hours

Scope: This subject deals with the application of instrumental methods in qualitative and quantitative analysis of drugs. This subject is designed to impart advanced knowledge on the principles and instrumentation of spectroscopic and chromatographic hyphenated techniques. This also emphasizes on theoretical and practical knowledge on modern analytical instruments that are used for drug testing.

Objectives: Upon completion of the course the student shall be able to

- understand the advanced instruments used and its applications in drug analysis
- understand the chromatographic separation and analysis of drugs.
- understand the calibration of various analytical instruments
- know analysis of drugs using various analytical instruments.

Course Content:

UNIT-I

10 Hours

Nuclear Magnetic Resonance spectroscopy

Principles of H-NMR and C-NMR, chemical shift, factors affecting chemical shift, coupling constant, Spin - spin coupling, relaxation, instrumentation and applications

Mass Spectrometry- Principles, Fragmentation, Ionization techniques – Electron impact, chemical ionization, MALDI, FAB, Analyzers-Time of flight and Quadrupole, instrumentation, applications

UNIT-II

10 Hours

Thermal Methods of Analysis: Principles, instrumentation and applications of Thermogravimetric Analysis (TGA), Differential Thermal Analysis (DTA), Differential Scanning Calorimetry (DSC)

X-Ray Diffraction Methods: Origin of X-rays, basic aspects of crystals, X-ray

Crystallography, rotating crystal technique, single crystal diffraction, powder diffraction, structural elucidation and applications.

UNIT-III

10 Hours

Calibration and validation- as per ICH and USFDA guidelines

Calibration of following Instruments

Electronic balance, UV-Visible spectrophotometer, IR spectrophotometer,





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A – PROJECT WORK

**K. K. WAGH COLLEGE OF PHARMACY****(B. Pharmacy & D. Pharmacy)****Hirabai Haridas Vidyanagari, Amrutdham, Panchavati, Nashik - 422 003. (Maharashtra) India.**☎ : 0253 - 2221121, 2517003, 2510262 Web : www.pharmacy.kkwagh.edu.inEmail: principal-bpharmacy@kkwagh.edu.in, disp-bpharmacy@kkwagh.edu.in

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SEM VIII Project Work details (2022-23)

Roll No.	Name of Student	Title of Project	Name of Guide
01	Ashwini Balasaheb Tribhuwan	Synthesis of CADD based Anti-fungal activity of 2-benzimidazole derivatives.	M. G. Shinde
02	Kanchan Mahendrakumar Mishra	Formulation and Evaluation of Herbal Hair Oil.	S. D. Malode
03	Anshu Kumari	Formulation Development of herbal Lipstick and lipbalm.	K. P. Baviskar
04	Khalkar Akshay Shivaji	Formulation and Evaluation of Herbal cough syrup.	S. B. Jadhav
05	Bagul Priyanka Prabhakar	Formulation Development of herbal Lipstick and lipbalm.	K. P. Baviskar
06	Gavit Sulochana Sonya	Formulation and Evaluation of Herbal Hair Oil.	S. D. Malode
07	Pagar Sanket Balasaheb	Formulation and Evaluation of Herbal Antibacterial Soap.	S. S. Raut
08	Bhagwat Sakshi	Formulation and Evaluation of Herbal Antibacterial Soap.	S. S. Raut
09	Amogh Patil	Formulation and Evaluation of Herbal Tooth Foaming Tablets for Oral health.	S. D. Malode
10	Dahifale Mahesh Shrimant	In silico ADMET profiling and Docking Analysis of Phosphodiesterase V and Topoisomerase II Inhibitors for Treatment of Colon Cancer.	D. K. Kadam
11	Bhavesb Babanrao Satbhai	Miraculous Moringa: Potent Herbal Lozenges for Optimal Wellness.	K. P. Baviskar
12	Prachi Sanjay Jadhav	Synthesis of CADD based Anti-fungal activity of 2-benzimidazole derivatives.	M. G. Shinde
13	Atharva Shinde	In silico ADMET profiling and Molecular Docking of novel 2,3,6-trisubstituted quinazolin-4-one derivatives as an Antiviral Agent	Dr. R. D. Amrutkar
14	Wadhavane Kiran Bhausaheb	Study of Anti-haemolytic Activity of Different Varieties of Ocimum sanctum.	Dr. R. A. Patil
15	Samruddha Wavikar	Formulation and Evaluation of Organogel Containing Taila for Rheumatoid Arthritis.	Dr. A. P. Bedse
16	Mehul Rasal	Formulation and Evaluation of Polyherbal Mouthwash.	Dr. V. G. Bhamare
17	Gitesh Gopichand Patil	Comparative Study of Saponin Extracts obtained from Natural sources.	Dr. A. P. Bedse
18	Nishtha Gopal Marathe	In silico ADMET profiling and Docking Analysis of Phosphodiesterase V and Topoisomerase II Inhibitors for Treatment of Colon Cancer.	D. K. Kadam



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Roll No.	Name of Student	Title of Project	Name of Guide
19	Vasaikar Vaishnavi Tulshiram	Microwave Assisted Synthesis of Benzimidazole Derivatives & its Antimicrobial Activity.	M. G. Shinde
20	Anket Chhotu Pawar	In silico ADMET profiling and Molecular Docking of novel 2, 3, 6-trisubstituted quinazolin-4-one derivatives as an Antiviral Agent.	Dr. R. D. Amrutkar
21	Raut Anjali Kantilal	Formulation and Evaluation of Herbal Hair Oil.	S. D. Malode
22	Bhalsane Karuna Samadhan	Formulation and Evaluation of Polyherbal Mouthwash.	Dr. V. G. Bhamare S. S. Patil (Co-guide)
23	Pankesh Bhurmal Agrawal	In silico ADMET profiling and Docking Analysis of B- carboline/Acylhydrazone MDA-MB231 Inhibitors for Cancer.	D. K. Kadam
24	Shradha Ashok Kusalkar	Study of Anti-haemolytic Activity of Different Varieties of Ocimum sanctum.	Dr. R. A. Patil
25	Akash Kailas Ahire	Pharmacognostic study and development of quality parameter of Malvaviscus arboreus Cav.	Dr. A. R. Surana
26	Pooja Yadav Samindre	Formulation Development of Polyherbal Lipcare Product.	Dr. V. G. Bhamare
27	Kashaf Erphan Patel	Phytoconstituent Screening & Antioxidant Activity of Different Types of Millets.	Dr. R. A. Patil
28	Krishna Santosh Jagtap	In silico ADMET profiling and Molecular Docking of novel Quinazolinone derivatives as an Anticancer Agent.	Dr. R. D. Amrutkar
29	Aniket Sanjay Bahirat	Miraculous Moringa: Potent Herbal Lozenges for Optimal Wellness.	K. P. Baviskar
30	Pratima Sagar	Formulation Development of Polyherbal Lipcare Product.	Dr. V. G. Bhamare
31	Prajwal Sunil Pagare	Formulation and Evaluation of Organogel Containing Taila for Rheumatoid Arthritis.	Dr. A. P. Bedse
32	Monika Appasaheb Nimse	In silico ADMET profiling and Molecular Docking of novel 2,3,6-trisubstituted quinazolin-4-one derivatives as an Antiviral Agent	Dr. R. D. Amrutkar
33	Joshi Isha Dinesh	In silico ADMET profiling and Docking Analysis of Phosphodiesterase V and Topoisomerase II Inhibitors for Treatment of Colon Cancer.	D. K. Kadam



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34	Sakshi Anil Pawar	Miraculous Moringa: Potent Herbal Lozenges for Optimal Wellness.	K. P. Baviskar
35	Jagtap Mayuri Dipak	In silico ADMET profiling and Docking Analysis of B- carboline/Acylhydrazone MDA-MB231 Inhibitors for Cancer.	D. K. Kadam
36	Manish Yadav	Formulation and Evaluation of Polyherbal Mouthwash.	Dr. V. G. Bhamare
37	Rushikesh Divekar	Formulation and Evaluation of Herbal cough syrup.	S. B. Jadhav
38	Saurav Vilas Karanjkar	In silico ADMET profiling and Molecular Docking of novel Quinazolinone derivatives as an Anticancer Agent.	Dr. R. D. Amrutkar
39	Ayush Anil Jain	Method Development and Validation of Safinamide Mesylate in bulk Drug and Dosage form byusing RP-HPLC.	D. V. Jain
40	Vaishnavi Keshavrao Kadam	Study of Anti-haemolytic Activity of Different Varieties of Ocimum sanctum.	Dr. R. A. Patil
41	Soni Riddhi Sunil	Formulation Development of herbal Lipstick and lipbalm.	K. P. Baviskar
42	Shingade Disha Chhabu	Formulation Development of Polyherbal Lipcare Product.	Dr. V. G. Bhamare
43	Aher Gita Sanjay	Formulation Development of Polyherbal Lipcare Product.	Dr. V. G. Bhamare
44	Akash Anil Bavaskar	Pharmacognostic study and development of quality parameter of Malvaviscus arboreus Cav.	Dr. A. R. Surana
45	Rohan Bhausahab Shelke	Miraculous Moringa: Potent Herbal Lozenges for Optimal Wellness.	K. P. Baviskar
46	Hindavi Gujarathi	Formulation and Evaluation of Polyherbal Mouthwash.	Dr. V. G. Bhamare
47	Tejas Ramesh Chaudhari	Formulation and Evaluation of Herbal Tooth Foaming Tablets for Oral health.	S. D. Malode
48	Jadhav Amar Anil	In silico ADMET profiling and Molecular Docking of novel Quinazolinone derivatives as an Anticancer Agent.	Dr. R. D. Amrutkar
49	Bhikan Kamlakar Thakur	In silico ADMET profiling and Molecular Docking of novel Quinazolinone derivatives as an Anticancer Agent.	Dr. R. D. Amrutkar
50	Pooja Balkrushna Kathe	Synthesis of CADD based Anti-fungal activity of 2-benzimidazole derivatives.	M. G. Shinde



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Roll No.	Name of Student	Title of Project	Name of Guide
51	Mitali Suhas Patil	In silico ADMET profiling and Molecular Docking of novel 2,3,6-trisubstituted quinazolin-4-one derivatives as an Antiviral Age	Dr. R. D. Amrutkar
52	Khushi Dinesh Patil	Phytoconstituent Screening & Antioxidant Activity of Different Types of Millets.	Dr. R. A. Patil
53	Aniket Parashram Gaikwad	Formulation and Evaluation of Herbal Gel Containing <i>Artocarpus Heterophyllus</i> Lam.	Dr. A. R. Surana
54	Shruti Lone	Miraculous Moringa: Potent Herbal Lozenges for Optimal Wellness.	K. P. Baviskar
55	Vismay Vijay Pawar	Formulation and Evaluation of Herbal Gel Containing <i>Artocarpus Heterophyllus</i> Lam.	Dr. A. R. Surana
56	Vaibhavi Shinde	Comparative Study of Saponin Extracts obtained from Natural sources.	Dr. A. P. Bedse
57	Jagruti Hari Pawar	Validation of Developed Method of Flucanazole in Solid dosage form by RP-HPLC.	D. V. Jain
58	Chaudhari Vaishnavi Gajanan	Phytoconstituent Screening & Antioxidant Activity of Different Types of Millets.	Dr. R. A. Patil
59	Muskan Najeer Shaikh	Formulation and Evaluation of Herbal Gel Containing <i>Artocarpus Heterophyllus</i> Lam.	Dr. A. R. Surana
60	Arshad Akil Shaikh	Formulation and Evaluation of Herbal Tooth Foaming Tablets for Oral health.	S. D. Malode
61	Sakshi Dange	Formulation Development of Polyherbal Lipcare Product.	Dr. V. G. Bhamare
62	Gaikwad Ashvini Anil	Microwave Assisted Synthesis of Benzimidazole Derivatives & its Antimicrobial Activity.	M. G. Shinde
63	Snehal Sanjay Borse	Formulation and Evaluation of Polyherbal Mouthwash.	Dr. V. G. Bhamare
64	Hitesh Sharad Sangale	Validation of Developed Method of Flucanazole in Solid dosage form by RP-HPLC.	D. V. Jain
65	Vaibhav Bhaskar Rakshe	Validation of Developed Method of Flucanazole in Solid dosage form by RP-HPLC.	D. V. Jain
66	Manisha Lohakare	In silico ADMET profiling and Docking Analysis of B- carboline/Acylhydrazone MDA-MB231 Inhibitors for Cancer.	D. K. Kadam





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67	Aaman Sayyed	Method Development and Validation of Safinamide Mesylate in bulk Drug and Dosage form by using RP-HPLC.	D. V. Jain
68	Sakshi Vishwasrao Pawar	Pharmacognostic study and development of quality parameter of <i>Malvaviscus arboreus</i> Cav.	Dr. A. R. Surana
69	Shrinivas Somnath Jadhav	<i>Barnyard Millet: Phytochemical Screening And process Optimization.</i>	Dr. D. D. Patil
70	Rutuja Durgude	Validation of Developed Method of Flucanazole in Solid dosage form by RP-HPLC.	D. V. Jain
71	Aarti Narayan Wable	Formulation and Evaluation of Organogel Containing Taila for Rheumatoid Arthritis.	Dr. A. P. Bedse
72	Kureshi Nazmeen Iqbal	Synthesis of CADD based Anti-fungal activity of 2-benzimidazole derivatives.	M. G. Shinde
73	Harshada Pandurang Sonawane	Phytoconstituent Screening & Antioxidant Activity of Different Types of Millets.	Dr. R. A. Patil
74	Samiksha Pagar	Formulation and Evaluation of Organogel Containing Taila for Rheumatoid Arthritis.	Dr. A. P. Bedse
75	Sayali Sharad Shinde	Formulation and Evaluation of Herbal Gel Containing <i>Artocarpus Heterophyllus</i> Lam.	Dr. A. R. Surana
76	Shweta Bapusaheb Rokade	Comparative Study of Saponin Extracts obtained from Natural sources.	Dr. A. P. Bedse
77	Manish Jangale	Validation of Developed Method of Flucanazole in Solid dosage form by RP-HPLC.	D. V. Jain
78	Ronak Ashish Khilosiya	Study of Anti-haemolytic Activity of Different Varieties of <i>Ocimum sanctum</i> .	Dr. R. A. Patil
79	Sakshi Anil Patil	Microwave Assisted Synthesis of Benzimidazole Derivatives & its Antimicrobial Activity.	M. G. Shinde
80	Tejas Dilip Wadje	Evaluation and Comparison of Baby Diapers.	Dr. D. D. Patil
81	Gayatri Ashok Thube	Study of Anti-haemolytic Activity of Different Varieties of <i>Ocimum sanctum</i> .	Dr. R. A. Patil
82	Shaikh Zohra Avesh	Phytoconstituent Screening & Antioxidant Activity of Different Types of Millets.	Dr. R. A. Patil



**K. K. WAGH COLLEGE OF PHARMACY**

(B. Pharmacy & D. Pharmacy)

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Roll No.	Name of Student	Title of Project	Name of Guide
83	Prasad Borase	In silico ADMET profiling and Molecular Docking of novel Quinazolinone derivatives as an Anticancer Agent.	Dr. R. D. Amrutkar
84	Deepa U. Singh	Formulation and Evaluation of Organogel Containing Taila for Rheumatoid Arthritis.	Dr. A. P. Bedse
85	Aakanksha Vilas Dargude	Formulation and Evaluation of Herbal Tooth Foaming Tablets for Oral health.	S. D. Malode
86	Utkarsha Suhas Kulkarni	In silico ADMET profiling and Molecular Docking of novel 2,3,6-trisubstituted quinazolin-4-one derivatives as an Antiviral Agent	Dr. R. D. Amrutkar
87	Bhamare Shruti Nanaji	Formulation Development of herbal Lipstick and lipbalm.	K. P. Baviskar
88	Aishwarya Chandrabhan Aher	Comparative Study of Saponin Extracts obtained from Natural sources.	Dr. A. P. Bedse
89	Manisha Dnyaneshwar Buchakul	Method Development and Validation of Safinamide Mesylate in bulk Drug and Dosage form by using RP-HPLC.	D. V. Jain
90	Rohit Shridhar Chavan	Barnyard Millet: Phytochemical Screening And process Optimization.	Dr. D. D. Patil
91	Akash Babasaheb Daunde	Evaluation and Comparison of Baby Diapers.	Dr. D. D. Patil
92	Akshay Sanjay Deore	Formulation And Evaluation of Herbal Sunscreen Cream.	S. S. Raut
93	Mayuri Rajendra Dhumal	Evaluation and Comparison of Baby Diapers.	Dr. D. D. Patil
94	Gaikwad Sayli Babasaheb	Formulation And Evaluation of Herbal Sunscreen Cream.	S. S. Raut
95	Gaika Abhishek Eknath	Evaluation and Comparison of Baby Diapers.	Dr. D. D. Patil
96	Shubham Prakash Gaikwad	Formulation and Evaluation of Herbal Antibacterial Soap.	S. S. Raut
97	Mahesh Namdev Galdhar	Formulation And Evaluation of Herbal	S. D. Malode
98	Vishal Dinkar Gavit	Method Development and Validation of Safinamide Mesylate in bulk Drug and Dosage form by using RP-HPLC.	D. V. Jain
99	Jadhav Arati Bhagwan	Comparative Study of Saponin Extracts obtained from Natural sources.	Dr. A. P. Bedse
100	Jadhav Kiran Yenunath	Formulation And Evaluation of Herbal	S. D. Malode
101	Niraj Jadhav	Formulation and Evaluation of Herbal cough syrup.	S. B. Jadhav





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LIST OF STUDENTS COMPLETING PROJECT WORK

Roll No.	Name of Student	Title of Project	Name of Guide
102	Jadhav Saloni Rajkumar	Formulation and testing of herbal mosquito fabric roll-on from <i>Polianthes tuberosa L.</i>	Dr. A. R. Surana
103	Nikita Milind Jain	In silico ADMET profiling and Docking Analysis of Phosphodiesterase V and Topoisomerase II Inhibitors for Treatment of Colon Cancer.	D. K. Kadam
104	Madhuri Dipak Jamdhade	Formulation And Evaluation of Herbal Sunscreen Cream.	S. S. Raut
105	Kadam Pravin Bhausaheb	Formulation and Evaluation of Herbal Antibacterial Soap.	S. S. Raut
106	Pratiksha Narendra Kardak	Formulation and Evaluation of Herbal cough syrup.	S. B. Jadhav
107	Kedar Priyanka Balasaheb	Formulation and Evaluation of Herbal cough syrup.	S. B. Jadhav
108	Vrushali Kohokade	Formulation and testing of herbal mosquito fabric roll-on from <i>Polianthes tuberosa L.</i>	Dr. A. R. Surana
109	Rutuja Kokate	Formulation and testing of herbal mosquito fabric roll-on from <i>Polianthes tuberosa L.</i>	Dr. A. R. Surana
110	Korde Shrutika Rajendra	Evaluation and Comparison of Baby Diapers.	Dr. D. D. Patil
111	Shravan Loya	Barnyard Millet: Phytochemical Screening And process Optimization.	Dr. D. D. Patil
112	Mahale Rajesh Subhash	Microwave Assisted Synthesis of Benzimidazole Derivatives & its Antimicrobial Activity.	M. G. Shinde
113	Ghansham Rakhmaji Nachan	Formulation And Evaluation of Herbal Toothpaste.	S. D. Malode
114	Patil Pankaj Nitin	Formulation And Evaluation of Herbal Sunscreen Cream.	S. S. Raut
115	Patil Roshani Kantilal	Barnyard Millet: Phytochemical Screening And process Optimization.	Dr. D. D. Patil
116	Monika Barkusinng Rajput	Formulation and Evaluation of Herbal Antibacterial Soap.	S. S. Raut
117	Ketan Keshav Rathod	Synthesis of CADD based Anti-fungal activity of 2-benzimidazole derivatives.	M. G. Shinde
118	Rathod Nilesh Mulchand	Formulation And Evaluation of Herbal Sunscreen Cream.	S. S. Raut
119	Prasad Sunil Sagar	Barnyard Millet: Phytochemical Screening And process Optimization.	Dr. D. D. Patil





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LIST OF STUDENTS COMPLETING PROJECT WORK

Roll No.	Name of Student	Title of Project	Name of Guide
120	Maijabeen Sattar Shah	In silico ADMET profiling and Docking Analysis of B- carboline/Acylhydrazone MDA-MB231 Inhibitors for Cancer.	D. K. Kadam
121	Shaikh Sohel Jamil	Formulation Development of herbal Lipstick and lipbalm.	K. P. Baviskar
122	Prathamesh Anil Sinkar	Method Development and Validation of Safinamide Mesylate in bulk Drug and Dosage form by using RP-HPLC.	D. V. Jain
123	Ubale Sakshi Chandrakant	In silico ADMET profiling and Docking Analysis of B- carboline/Acylhydrazone MDA-MB231 Inhibitors for Cancer.	D. K. Kadam

S. S. Patil has worked as Co Guide with Dr. V. G. Bhamre

S. N. Kulkarni has worked as Co Guide with S. B. Jadhav

P. S. Pagar has worked as Co Guide with Dr. A. P. Bedse

Dr. V. G. Bhamare
Sem VIII Project Coordinator



Dr. D. D. Patil
Principal



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B – INTERNSHIP



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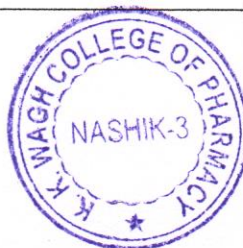
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Internship 2022-23

LIST OF STUDENTS COMPLETING INTERNSHIP

Sr. No.	Name of Student	Name and Address of Firm	Duration
1.	Chavan Shweta Bapurav	Glenmark Pharmaceuticals Ltd, Nashik	Aug 2023 – Sept 2023
2.	Gaikwad Sakshi Bapusaheb	Reliance Life Sciences Thane, Mumbai.	Aug 2023 – Sept 2023
3.	Bhalerao Lokesh Ajay	Emcure Pharmaceuticals Ltd, MIDC Bhosari, Pune.	Aug 2023 – Sept 2023
4.	Sonawane Aniket Dilip	Koral Pharma MIDC Satpur, Nashik.	Aug 2023 – Sept 2023
5.	Chavan Lokesh Bapu	Koral Pharma, MIDC Satpur, Nashik.	Aug 2023 – Sept 2023
6.	Amesar Mehul Vijay	Koral Pharma MIDC Satpur, Nashik.	Aug 2023 – Sept 2023
7.	Baviskar Nilesh Sanjay	Koral Pharma MIDC Satpur, Nashik.	Aug 2023 – Sept 2023
8.	Kajale Samarth Shailendra	Koral Pharma, MIDC Satpur Nashik	Aug 2023 – Sept 2023
9.	Naik Vaibhav Sanjay	Koral Pharma, Satpur, Nashik	Aug 2023 – Sept 2023
10.	Golhar Saurabh Eknath	Koral Pharma, Satpur, Nashik	Aug 2023 – Sept 2023
11.	Korde Kaveri Kiran	Reve Pharma, Sinner, Nashik	Aug 2023 – Sept 2023
12.	Gawali Shraddha Ashokrao	Reve Pharma, Sinnar, Nashik	Aug 2023 – Sept 2023
13.	Wagh Akash Ashok	Shriniwasa Ayurvedic Pvt. Ltd., Dindori, Nashik,	Aug 2023 – Sept 2023
14.	Chavan Akshay Sanjay	Shriniwasa Ayurvedic Pvt. Ltd., Dindori, Nashik,	Aug 2023 – Sept 2023
15.	Jadhav Darshan Ratan	Shriniwasa Ayurvedic Pvt. Ltd., Dindori, Nashik,	Aug 2023 – Sept 2023
16.	Patil Dhiraj Ankush	Vighnaharta Medical, Pimpalgaon Baswant, Nashik	Aug 2023 – Sept 2023
17.	Avhad Dhiraj Ajay	Shriniwasa Ayurvedic Pvt. Ltd., Dindori, Nashik,	Aug 2023 – Sept 2023
18.	Patil Digambar Suresh	Shriniwasa Ayurvedic Pvt. Ltd., Dindori, Nashik,	Aug 2023 – Sept 2023
19.	Deore Janhvi Ramrao	Advanced Enzyme Technologies Ltd., Sinnar, Nashik.	Aug 2023 – Sept 2023





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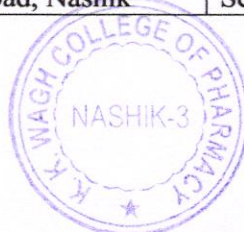
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Sr. No.	Name of Student	Name and Address of Firm	Duration
20.	Giri Jayendra Nitinkumar	Shriniwasa Ayurvedic Pvt. Ltd., Dindori, Nashik,	July 2023 – Aug 2023
21.	Chavan Nikhil Dadaji	Shriniwasa Ayurvedic Pvt. Ltd., Dindori, Nashik,	Aug 2023 – Sept 2023
22.	Jadhav Prashant Dadaji	Shriniwasa Ayurvedic Pvt. Ltd., Dindori, Nashik,	Aug 2023 – Sept 2023
23.	Khurda Saloni Mangesh	Shriniwasa Ayurvedic Pvt. Ltd., Dindori, Nashik,	July 2023 – Aug 2023
24.	Kamankar Shraddha Nivrutti	Shriniwasa Ayurvedic Pvt. Ltd., Dindori, Nashik,	July 2023 – Aug 2023
25.	Khandare Tejas Shrikrushna	Shriniwasa Ayurvedic Pvt. Ltd., Dindori, Nashik,	July 2023 – Aug 2023
26.	Gatkal Tejas Sanjay	Shriniwasa Ayurvedic Pvt. Ltd., Dindori, Nashik,	Aug 2023 – Sept 2023
27.	Wankhede Vaibhav Rajesh	Shriniwasa Ayurvedic Pvt. Ltd., Dindori, Nashik,	Aug 2023 – Sept 2023
28.	Chavan Krushna Uttam	Shree Ganesh Medical and Druggist Store, Amrutdham, Nashik	Aug 2023 – Sept 2023
29.	Binnar Mahesh Samadhan	General Hospital Malegaon, Nashik.	Aug 2023 – Sept 2023
30.	Jadhav Mitesh Avadhut	Shree Ganesh Medical And General Store, Amrutdham, Nashik	Aug 2023 – Sept 2023
31.	Waghmode Nilesh Arun	Yashwant Medical, At. Post Kati, Pune	Aug 2023 – Sept 2023
32.	Indaij Parth Sanjay	Shree Ganesh Medical and Druggist Store. Amrutdham, Nashik	Aug 2023 – Sept 2023
33.	Chaudhari Rohit Gangadhar	Radhika medical store, Chemist and Druggist, At post Vani, Nashik	Aug 2023 – Sept 2023
34.	Ambre Rushikesh Shivaji	Swapnil Medical, Chemists and Drugist Store, Ahamadnagar	Aug 2023 – Sept 2023
35.	Rayate Sakshi Pralhad	Ashirwad Chemists and Druggist, Satpur, Nashik	Aug 2023 – Sept 2023
36.	Deore Saloni Keval	Vijay Medical, Nampur, Satana, Diat. Nashik	July 2023 – Aug 2023
37.	Shelar Shruti Dnyaneshwar	Joganiya Medicals, Dwarka, Nashik	Aug 2023 – Sept 2023
38.	Yash Hemant Gurav	Mama's Medical, Chemists and Druggist Store, Jail Road, Nashik	Aug 2023 – Sept 2023





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Sr. No.	Name of Student	Name and Address of Firm	Duration
39.	Kothawade Yashashree Jitendra	Royal Chemist. Ashok Stambh Nashik	July 2023 – Aug 2023
40.	Bagul Komal Kantilal	Prassan Medical, Ashok Sthambh Nashik	Aug 2023 – Sept 2023
41.	Chaudhari Madhuri Uttam	Birsa Munda Medical store, mhasrul, Nashik	July 2023 – Aug 2023
42.	More Avinash Raju	New Dr Shinde Medical Store, Saraswati Nagar, Nashik	Aug 2023 – Sept 2023
43.	More Gayatri Sanjay	Ranjendra Medical Store, CIDCO, Nasik.	Aug 2023 – Sept 2023
44.	Pawar Sarika Ramsing	Navkar Medical Store, At Post Kajgaon, Jalgaon.	Aug 2023 – Sept 2023
45.	Salunkhe Priyanka Ganesh	Vighanharta Medical, Pachora, Jalgaon	Aug 2023 – Sept 2023
46.	Thube Harshali Bhausaheb	Prassanna Medical Store, Ashok Stambh, Nashik	Aug 2023 – Sept 2023

K. P. Baviskar
Internship Coordinator

Dr. V. G. Bhamre
T and P Officer

Dr. K. S. Salunkhe

PRINCIPAL

K.K. Wagh College of Pharmacy
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