



NATIONAL COLLEGE OF PHARMACY

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2.3.1 Student centric methods, such as experiential learning, participative learning and problem solving methodologies are used for enhancing learning experiences and teachers use ICT- enabled tools including online resources for effective teaching and learning process

At National College of Pharmacy (NCP), our teaching-learning process is focused on Outcome Based Education (OBE). It is designed to align with the institution's graduate attributes and program outcomes, ensuring that students not only acquire knowledge but also develop essential skills necessary for their academic and professional pursuits.

NCP is always in the forefront for implementing innovative student-centric methods for enhancing learning experiences such as

- **Experiential Learning**
- **ICT Integration**
- **Active Learning**
- **Participative Learning methodologies**
- **Interdisciplinary learning**
- **Blended Learning**
- **Problem-Solving method**
- **Community Based Learning**

Mentor mentee system is actively implemented in NCP, which aims to provide personalized guidance and assistance to students with different learning paces ie, **slow, average and advanced learners.**



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www.nationalcollegeofpharmacy.org



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1. Experiential Learning:

- NCP provides practical experiences alongside theoretical knowledge by combining theory with hands-on training for deeper understanding. Industrial visits, role-play exercises, field visits, internships, hospital postings, and community programs like "Family Pharmacist" program highlight the tangible real-world applications of knowledge and skills.
- Students learn about various medicinal plants from herbal garden visit.

2. ICT Integration:

- ICT enabled classrooms for integrated teaching learning process. NCP makes use of ICT tools such as Moodle, Google Classroom, and e-content created by our faculty through NCP YouTube channel.
- Animal Simulation Software like Ex-pharm facilitates pharmacology experiments.
- *CliniRex* application offers AI powered clinical documentation and drug Information.

3. Active Learning:

- Methods, such as the flipped classroom, seminars, case studies, and hands-on practical experiences are adopted for student engagement and interactive learning.

4. Participative Learning methodologies:

- Journal clubs, seminars, bed side teaching and case presentations enables students to experience real-world situations.

5. Interdisciplinary learning

- To achieve our vision we provide opportunity to learn different disciplines through our KMCT Medical College Hospital and KMCT Ayurveda Medical College. These include seminars, research initiatives, and invited lectures.
- The NCP hosts a local NPTEL SWAYAM chapter, where students eagerly engage in a diverse array of courses covering interdisciplinary subjects



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6. Blended Learning:

- Combine conventional classroom teaching with online resources and activities. Along with teaching sessions, we do follow online learning (video lectures), virtual simulations (Ex pharm) and clinical rotations.
- NCP is equipped with digital library (Delnet and Ebsco) which provides easy access to a wide range of resources.

7. Problem-Solving method:

- Teachers demonstrate experiments followed by problem assignments.
- Case study-based problems apply theoretical knowledge to real scenarios.
- UG - PG projects offer several benefits including Problem-Solving Skills.
- At NCP, students engage in **role-play** exercises to enhance communication skills, develop patient counseling abilities, practice clinical scenarios, and improve problem-solving skills.

8. Community based learning:

- Under our Family Pharmacist Program, we make use of the students to play a role as a pharmacist with the proper guidance from faculty as well as the senior students. This is done in Division 24 of Mukkam Municipality, Calicut. This is one of our best practices as this enriches the learning process for our graduates.



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LABORATORY

We employ advanced laboratory equipments in our laboratory, a strategy that can be advantageous for students



HPLC



FTIR SPECTROPHOTOMETER

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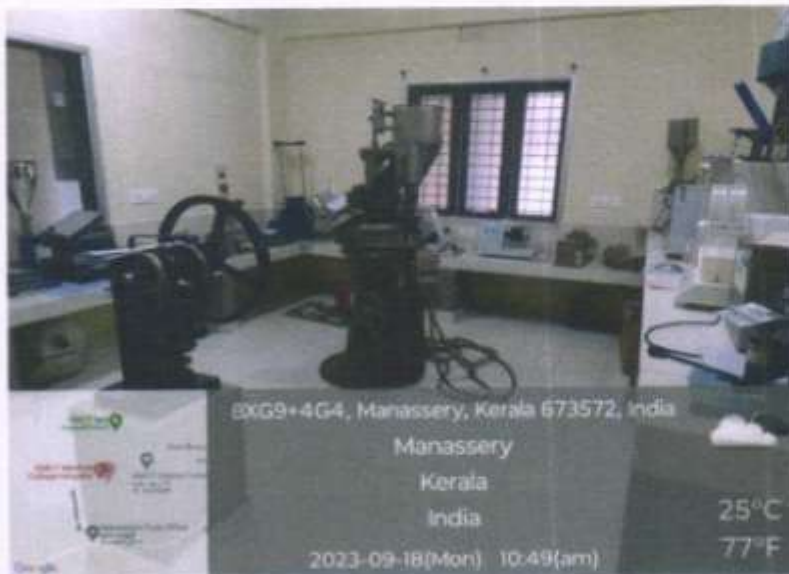


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SPRAY DRIER



TABLET PUNCHING MACHINE



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HANDS ON TRAINING

Hands-on training programs offer numerous benefits to students and can greatly enhance their educational experience. These programs provide practical and real-world experiences that complement classroom learning and help students develop valuable skills and knowledge that are applicable to their future careers. So we conduct several Hands on training programs every year.



National College of Pharmacy

28 Apr · 🌐

...

National College of Pharmacy recently hosted a two-day hands-on training program on molecular modeling techniques in drug discovery at it... See more



HANDS ON TRAINING PROGRAM ON MOLECULAR MODELLING TECHNIQUES IN DRUG DESIGN



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HANDS ON TRAINING OF DISSOLUTION APPARATUS



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HANDS ON TRAINING OF 16 STATION TABLET PUNCH



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INDUSTRIAL VISIT

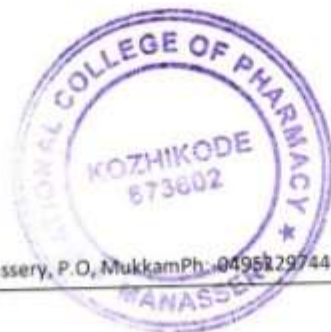
Each year, students from NCP are provided with a chance to tour a well-established pharmaceutical company, and a significant proportion of the student body takes advantage of this opportunity.

INDUSTRIAL VISIT OF 2023

The Industrial Visit for B Pharm Students has once again proved to be a resounding success, as 60 enthusiastic pharmacy students embarked on an immersive exploration of **PURE AND CURE HEALTH CARE Pvt Ltd, HARIDWAR, UTTARAKAND**. With a commitment to providing hands-on learning experiences, this industrial visit offered a unique opportunity for students to witness the real-world application of their classroom knowledge.

Highlights of the Visit:

1. **Insightful Industry Tours:** Students had the privilege of touring state-of-the-art manufacturing units, where they observed the intricate processes involved in producing a wide array of pharmaceutical products. From tablet compression to sterile manufacturing, the visit showcased the industry's dedication to precision and quality.
2. **Laboratory Excellence:** The visit included visits to quality control laboratories, where students witnessed firsthand the rigorous testing and analysis that pharmaceutical products undergo. The experience highlighted the industry's commitment to maintaining safety and efficacy standards.
3. **Engaging Workshops:** Interactive workshops facilitated by industry experts allowed students to engage deeply with topics such as regulatory compliance, formulation development, and drug analysis. These workshops bridged the gap between academic learning and practical application.
4. **Industry Professionals' Talks:** Renowned industry leaders and professionals shared their experiences, offering valuable insights into the diverse career paths within the pharmaceutical sector. Students gained a deeper understanding of the skills and qualities required to excel in the industry.



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INDUSTRIAL VISIT OF B PHARM STUDENTS IN PURE AND CURE HEALTH CARE Pvt.
LTD HARIDWAR AT 25 APRIL 2023



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NIPER Hyderabad

The students of National College of pharmacy have visited NIPER Hyderabad on 15th February 2023. The students were given orientation sessions on the Basics and the importance of research in developing new drug molecules. They also visited various facilities available in the institute. Dr Vasundra Bandari, Assistant professor NIPER assisted the students during the visit



NIPER Hyderabad ✓

6h · 🌐



#Students from the National College of Pharmacy, Kerala, visited NIPER Hyderabad's facilities and interacted with faculty members.

#Young minds were provided the #scientific insights to develop their profession in the field of research.

Department of Pharmaceuticals Mansukh Mandaviya Bhagwant Khuba



VISIT TO NIPER HYDERABAD ON 15TH FEBRUARY 2023



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APEX PHARMACEUTICALS INDUSTRY

The students also visited the Apex Pharmaceutical Industry at Alathur, Tamilnadu on 16th February. They have gained knowledge related to various regulatory requirements involved during drug manufacturing processes. Dr S Kathirvel, Professor of National College of Pharmacy has associated the students during the visit.



VISIT TO APEX PHARMACEUTICAL INDUSTRY AT ALATHUR, TAMILNADU ON
16TH FEBRUARY 2023



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FIELD VISIT

Each year, we encourage our students to participate in field visits.



BOTANICAL GARDEN VISIT AT MALABAR BOTANICAL GARDEN POOVANGAL,
KOZHIKODE ON 08/11/2022



[Signature]
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COMMUNITY PROGRAM



National College of Pharmacy

1 Oct 2022 · 🌐

#MedicalCamp
#NSSUnit
#nationalcollegeofpharmacy
#KMCTmedicalcollege



National College of Pharmacy

2 Apr 2022 · 🌐

The National College of Pharmacy's NSS unit paid a visit to the AMMA Charitable Trust Old age home, in Thazhicode village. Blood pressure monitors were used, as well as prescription dispensing, pharmacological information, and counselling. Financial aid was provided for everyday expenses, and inmates were interacted with during the day. Principal Dr Sujith Varma, NSS Coordinator, Mr.Vinod Thomas, Dr.Akash Marathakam, Mr.Rajeev P Thomas, Ms.Sareena, and Pharm.D interns Ms.Swetha, Ms.Nisha, Ms Hanna took part in this out reach event.



👍 Sujith Varma and 43 others

4 comments · 2 shares



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HOSPITAL TRAINING

	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APRIL	MAY	JUNE	
GENERAL MEDICINE	LADITY BIL L NADA MADHA	T. JAYARAJ K. ANAND L. SURESH K. P L. SURESH K. ANAND	LADITY BIL L NADA MADHA	LADITY BIL L NADA MADHA	LADITY BIL L NADA MADHA	LADITY BIL L NADA MADHA	LADITY BIL L NADA MADHA	LADITY BIL L NADA MADHA	LADITY BIL L NADA MADHA	LADITY BIL L NADA MADHA	LADITY BIL L NADA MADHA
OPHTHALMOLOGY	LADITY BIL L NADA MADHA	LADITY BIL L NADA MADHA	LADITY BIL L NADA MADHA	LADITY BIL L NADA MADHA	LADITY BIL L NADA MADHA	LADITY BIL L NADA MADHA	LADITY BIL L NADA MADHA	LADITY BIL L NADA MADHA	LADITY BIL L NADA MADHA	LADITY BIL L NADA MADHA	LADITY BIL L NADA MADHA
NEUROLOGY	LADITY BIL L NADA MADHA	LADITY BIL L NADA MADHA	LADITY BIL L NADA MADHA	LADITY BIL L NADA MADHA	LADITY BIL L NADA MADHA	LADITY BIL L NADA MADHA	LADITY BIL L NADA MADHA	LADITY BIL L NADA MADHA	LADITY BIL L NADA MADHA	LADITY BIL L NADA MADHA	LADITY BIL L NADA MADHA
ENTHOLOGY	LADITY BIL L NADA MADHA	LADITY BIL L NADA MADHA	LADITY BIL L NADA MADHA	LADITY BIL L NADA MADHA	LADITY BIL L NADA MADHA	LADITY BIL L NADA MADHA	LADITY BIL L NADA MADHA	LADITY BIL L NADA MADHA	LADITY BIL L NADA MADHA	LADITY BIL L NADA MADHA	LADITY BIL L NADA MADHA
PSYCHIATRY	LADITY BIL L NADA MADHA	LADITY BIL L NADA MADHA	LADITY BIL L NADA MADHA	LADITY BIL L NADA MADHA	LADITY BIL L NADA MADHA	LADITY BIL L NADA MADHA	LADITY BIL L NADA MADHA	LADITY BIL L NADA MADHA	LADITY BIL L NADA MADHA	LADITY BIL L NADA MADHA	LADITY BIL L NADA MADHA
PHYSIOLOGY	LADITY BIL L NADA MADHA	LADITY BIL L NADA MADHA	LADITY BIL L NADA MADHA	LADITY BIL L NADA MADHA	LADITY BIL L NADA MADHA	LADITY BIL L NADA MADHA	LADITY BIL L NADA MADHA	LADITY BIL L NADA MADHA	LADITY BIL L NADA MADHA	LADITY BIL L NADA MADHA	LADITY BIL L NADA MADHA
PHARMACOLOGY	LADITY BIL L NADA MADHA	LADITY BIL L NADA MADHA	LADITY BIL L NADA MADHA	LADITY BIL L NADA MADHA	LADITY BIL L NADA MADHA	LADITY BIL L NADA MADHA	LADITY BIL L NADA MADHA	LADITY BIL L NADA MADHA	LADITY BIL L NADA MADHA	LADITY BIL L NADA MADHA	LADITY BIL L NADA MADHA
PEDIATRICS	LADITY BIL L NADA MADHA	LADITY BIL L NADA MADHA	LADITY BIL L NADA MADHA	LADITY BIL L NADA MADHA	LADITY BIL L NADA MADHA	LADITY BIL L NADA MADHA	LADITY BIL L NADA MADHA	LADITY BIL L NADA MADHA	LADITY BIL L NADA MADHA	LADITY BIL L NADA MADHA	LADITY BIL L NADA MADHA
DERMATOLOGY	LADITY BIL L NADA MADHA	LADITY BIL L NADA MADHA	LADITY BIL L NADA MADHA	LADITY BIL L NADA MADHA	LADITY BIL L NADA MADHA	LADITY BIL L NADA MADHA	LADITY BIL L NADA MADHA	LADITY BIL L NADA MADHA	LADITY BIL L NADA MADHA	LADITY BIL L NADA MADHA	LADITY BIL L NADA MADHA
ORTHODOX	LADITY BIL L NADA MADHA	LADITY BIL L NADA MADHA	LADITY BIL L NADA MADHA	LADITY BIL L NADA MADHA	LADITY BIL L NADA MADHA	LADITY BIL L NADA MADHA	LADITY BIL L NADA MADHA	LADITY BIL L NADA MADHA	LADITY BIL L NADA MADHA	LADITY BIL L NADA MADHA	LADITY BIL L NADA MADHA
ENT	LADITY BIL L NADA MADHA	LADITY BIL L NADA MADHA	LADITY BIL L NADA MADHA	LADITY BIL L NADA MADHA	LADITY BIL L NADA MADHA	LADITY BIL L NADA MADHA	LADITY BIL L NADA MADHA	LADITY BIL L NADA MADHA	LADITY BIL L NADA MADHA	LADITY BIL L NADA MADHA	LADITY BIL L NADA MADHA

Hospital Training Schedule For Students



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HERBAL GARDEN

The department of Pharmacognosy is maintaining the herbal garden in National College of Pharmacy, KMCT Medical College Campus and is a living museum of more than 300 different varieties of medicinal plants including rare and endangered medicinal plant species. The descriptive labels with their botanical names, vernacular names are displayed on each medicinal plant. The herbal garden is useful for the students in understanding the taxonomic knowledge, medicinal use and its identification features. The diverse collection of plant species facilitates visitors to experience new plants and enables opportunities for learning.



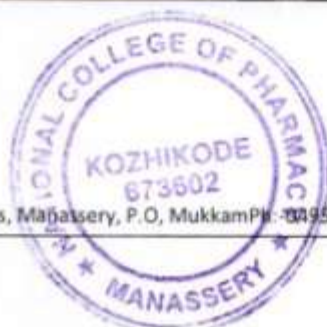
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LIST OF HERBS IN THE GARDEN

DEPARTMENT OF PHARMACOGNOSY

LIST OF MEDICINAL PLANTS SPECIES AVAILABLE IN HERBAL GARDEN

S.No	Malayalam Name/ Local Name	Sanskrit Name	Botanical Name	Family
1	അരതി	उदुम्बर	Ficus racemosa	Moraceae
2	അതിരാണി	Folk	Melastoma malabathricum	Melastomataceae
3	അരുകുരും	अश्वगन्ध	Withania somnifera	Solanaceae
4	അണലി വേഗം	विषग्नि	Alstonia venenata	Apocynaceae
5	അമ്പഴം	आम्रातक	Spondias pinnata L.f. Kurz	Anacardiaceae
6	അയ്യപ്പാന	अयापान	Eupatorium triplinerve	Asteraceae
7	അരിനെല്ലി	Folk	Phyllanthus acidus	Euphorbiaceae
8	അരയാൽ	पिप्पल	Ficus religiosa.L	Moraceae
9	അരിപ്പു	वनच्छेदी	Lantana camara L	Verbenaceae
10	അങ്കോലം	अंकोट	Alangium salvifolium	Alangiaceae
11	അശോകം	अशोक	Saraca indica	Caesalpiaceae
12	അല്ലം	Folk	Thottea siliquosa	Aristolochaceae
13	അടവികച്ചുരം	गन्धमूल	Curcuma zanthorrhiza	Zingiberaceae
14	അടമ്പുവള്ളി	सगरमेखल	Ipomoea pes-caprae	Convolvulaceae
15	അടപതിയൻ കിഴങ്ങ്	जीवन्दि	Holostemma ada-kodien Schult.	Asclepiadaceae
16	അടക്കാരണിയൻ	हपुष	Sepheranthus indicum	Asteraceae
17	ആമ്പൽ	कुमुद	Nymphaea nouchali Burm.f	Nymphaeaceae
18	ആന ചുണ്ട	Folk	Solanum torvum Sw.	Solanaceae
19	ആന ചുവടി	गोजिह	Elephantopus scaber.L	Asteraceae
20	ആന തീപ്പലി	गजपिप्पलि	Rhaphidophara pertusa	Araceae
21	ആന പന	सीताल	Caryota urens	Palmae
22	ആറ് വഞ്ചി	पाषाणभेद	Homonoia riparia	Euphorbiaceae
23	ആശാരിപ്പുളി	Folk	Antidesma acidum	Euphorbiaceae





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24	ആടലോടകം	വാസ	Adathoda vasica	Acathaceae
25	ആറ്റ് ദർഭ	दर्भ	Eragostis cynosuroides	Poaceae
26	ആപിൻ	चिरबिल्व	Holoptelia integrifolia	Ulmaceae
27	ആവണക്ക്	एरण्ड	Ricinus communis L	Euphorbiaceae
28	ആഫ്രിക്കൻ ജല്ലി	Folk	Eryngium foetidum	Apiaceae
29	ആടുകുതാടാപാല	कीटमारि	Aristolochia bracteata	Aristolochiaceae
30	ഇലക്കള്ളി	स्नुहि	Euphorbia nivulia	Euphorbiaceae
31	ഇരുമ്പൻ പൂളി	कारुकः	Averrhoa carambola	Oxalidaceae
32	ഇയ്യചേമ്പ്	Folk	Collocassia maerorrhiza	Araceae
33	ഇരുമ്പലി	ह्रीवेरं	Plectranthus vettiveroides	Lamiaceae
34	ഇലിപ്പ	मधुक	Madhuca longifolia	Burseraceae
35	ഇത്തി	प्लक्ष	Ficus microcarpa L.f	Moraceae
36	ഇടംപിരി വലമ്പിരി	आवर्तनि	Helicteres isora L.	Sterculiaceae
37	ഇഞ്ചി	आर्द्रक	Zingiber officinale Rose.	Zingiberaceae
38	ഇലവർഗ്ഗം	त्वक	Cinnamomum verum	Lauraceae
39	ഇലവ്	शाल्मलि	Bombax ceiba	Bombacaceae
40	ഇത്തിക്കണ്ണി	वुक्षादनी	Dendrophthoe falcata	Loranthaceae
41	ഇലഞ്ഞി	बकुल	Mimusops elengi L	Sapotaceae
42	ഇരുമ്പകം	Folk	Hopea perviflora.Bedd	Dipterocarpaceae
43	ഇറാൻ	हिन्ताल	Cycas circinalis	Cycadaceae
44	ഇലപ്പൊട്ടി	पर्णबीज	Bryophyllum calycimum Salish.	Crassuiaceae
45	ഉറാകം	वनबेण्ट	Urena lobata L.	Malvaceae
46	ഉപ്പുത്തി	Folk	Macaranga peltata	Euphorbiaceae
47	ഉഴിഞ്ഞ	इन्दवल्लि	Cardiospermum halicabum	Sapindaceae
48	ഉമ്മം	दत्तूर	Datura metel	Solanaceae
49	ഉടയാൻവള്ളി	Folk	Phyla nodiflora	Verberaceae
50	ഉണ്ണ	करज्च	Pongamia pinnata	Fabaceae
51	ഏടല	Folk	Olea dioica	Oleaceae



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52	ഏരുക്ക	अर्क	Calotropis procera	Asclepiadaceae
53	ഏരുക്ക നീല	अर्क	Calotropis gigantea	Asclepiadaceae
54	ഏലിച്ചെമ്പി	आखुकर्णी	Merremia emarginata	Convolvulaceae
55	ഏഴിലംപാല	सप्त पर्ण	Alstonia scholaris	Apocynaceae
56	ഏച്ചിൽ	Folk	Aporosa lindleyana	Euphorbiaceae
57	ഏലം	एल	Elettaria cardamomum	Zingiberaceae
58	ഏകനായകം	वैरी	Salacia reticulate Wight	Hippocrataceae
59	ഓരില	प्रिन्निपर्णि	Desmodium gangeticum L	Fabaceae
60	ഓട	इङ्गदी	Sarcostigma keleinii	Lcacinaceae
61	ഓടപുല്ല	Folk	Arundo donax	Poaceae
62	കരിമുത്തൽ	मण्डूकपर्नी	Geophila repens	Rubiaceae
63	കഞ്ഞി	तेकरज, भुयगज	Eclipta alba (L)Hassak.	Asteraceae
64	കറുക	दूर्व	Cynodon dactylon	Poaceae
65	കർപൂരതുളസി	वनबर्बरिक	Ocimum americanum Linn.	Lamiaceae
66	കർപൂരം	कपूर	Cinnamomum camphora.L	Lauraceae
67	കരിമഞ്ഞൽ	हरिद्रा भेद	Curcuma caesia	Zingiberaceae
68	കണ്ടകാരിച്ചുണ്ട	कण्टकारि	Solanum viarum Dunal	Solanaceae
69	കറമുസ, പ്പായ	एरण्डकर्कटी	Carica papaya Linn.	Caricaceae
70	കച്ചോലം	शठी	Kaempferia galangal Linn.	Zingiberaceae
71	കുന്നി [കറുപ്പ]	गुन्च	Abrus precatorius	Fabaceae
72	കല്ലാൽ	पारिश:	Ficus drupaceaea	Moraceae
73	കള്ളി	स्नुहि	Eurphobia tirucalli L	Euphorbiaceae
74	കല്ലൂർവണി	पाषाणभेद	Routia aquatica	Boraginaceae
75	കരിനൊച്ചി	निगुन्डि	Vitex nigundo	Verbinaceae
76	കണികൊന്ന	आरग्वध	Cassia fistula	Caesalpinaceae
77	കരിമരം	Folk	Diospyros ovalifolia	Ebenaceae
78	കരികുറിഞ്ഞി	सहचर भेद	Berleria prattensis	Acanthaceae
79	കമ്പിപ്പാല	स्वैतकुटज:	Wrightia tinctoria	Apocynaceae

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80	കരിംകുറിഞ്ഞി	सहचर	<i>Strobilanthes ciliatus</i>	Acathaceae
81	കറുവപ്പട്ട	त्वक्	<i>Cinnamomum zylanicum</i>	Lauraceae
82	കരിഞ്ഞൊട്ട	गुच्छकरञ्जः	<i>Samadinera dica</i>	Simaroubaceae
83	കസ്സുരി ഡെണ്ട	लताकस्तूरिका	<i>Abelmoschus moschatus</i>	Malvaceae
84	കസ്സുരി മഞ്ഞൾ	वनहरिद्र	<i>Curcuma aromatica</i>	Zingiberaceae
85	കവുങ്ങ്	क्रमुक	<i>Areca catechu</i>	Arecaceae
86	കടുക്ക	हरीतकि	<i>Terminalia chebula Retz</i>	Combretaceae
87	കടലാടി	अपामार्ग	<i>Achyranthes aspera</i>	Amaranthaceae
88	കടലാവണക്ക്	द्रवन्ती	<i>Jatropha curcas Linn.</i>	Euphorbiaceae
89	കശുമാവ്	वुक्कफल	<i>Anacardium occidentale</i>	Anacardiaceae
90	കറി വേപ്പ്	कैडर्य	<i>Murraya koenigi L.</i>	Rutaceae
91	കരളകം	ईश्वरी	<i>Aristolochia indica</i>	Aristolochiaceae
92	കടമ്പ	कदम्ब	<i>Anthocephalus cadamba</i>	Rubiaceae
93	കരിങ്ങാലി	खदिर	<i>Acacia catechu</i>	Mimosaceae
94	കരിന്തക്കാളി	Folk	<i>Solanum americanaum</i>	Solanaceae
95	കല്ലൂരുക്കി	पाषाणभेद	<i>Scoparia dulcis</i>	Scophularaceae
96	കാട്ടുമുളക്	चव्यः	<i>Piper brachystachyum</i>	Piperaceae
97	കാങ്ങ	Folk	<i>Drimia indica.L</i>	Hyacinthaceae
98	കാട്ടുപടവലം	पटोल	<i>Trichosanthes cucumerina</i>	Cucurbitaceae
99	കാട്ടു ഉഴുന്ന്	माषपर्णी भेद	<i>Vigna radiata</i>	Fabaceae
100	കാട്ടുതെച്ചി	पारन्ती भेद	<i>Ixora elongata</i>	Rubiaceae
101	കാട്ടുതീപ്പുലി	चव्य	<i>Phyla nodiflora</i>	Verbenaceae
102	കാക്കത്തൊണ്ടി	काकनासा	<i>Trichosanthes tricuspidata</i>	Cucurbitaceae
103	കാക്കാരിമുളക്	कटुवीर	<i>Capsicum frutescens L</i>	Solanaceae
104	കാരുമുളക്	गाङ्गोरुकी	<i>Canthium parviflorum Lam.</i>	Rubiaceae
105	കാട്ടുതുളസി	वन बर्बरिका	<i>Ocimum americanum</i>	Lamiaceae
106	കാട്ടപ്പ	विषमुष्टिः	<i>Ageratum conyzoides</i>	Asteraceae
107	കാലശ്ശേലം	किण्ठित्तक भेद	<i>Andrographis paniculata</i>	Acathaceae



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109	കാട്ടുമുതിര	कुलथः	Dolichos biflorus	Fabaceae
110	കാട്ട് ഉഴുന്ന്	माषः	Vigna mungo	Fabaceae
111	കാട്ടു വെള്ളരി	विशाल	Citrullus colocynthis	Cucurbitaceae
112	കാച്ചിൽ	आळुकं	Dioscorea alata	Dioscoreaceae
113	കാഞ്ഞിരം	कुपीलु	Strychnos nux vomica L	Loganiaceae
114	കീഴുല തെച്ചി	पारन्ती भेद	Ixora malabarica	Rubiaceae
115	കിലുകിലുപ്പ	शणपुष्पी	Crotalaria retusa L	Fabaceae
116	കിണറ്റ് വാഴ	Folk		
117	കൊടമ്പുള്ളി	वृक्षाम्ल	Garcinia gummi-gutta	Clusiaceae
118	കൊടുവേലി	चित्रक	Plumbago zeylanica	Plumbaginaceae
119	കൊടിത്തൂവ	दुस्पर्श	Tragia involucrate L	Euphorbiaceae
120	കൊല്ലം വള്ളി	Folk		
121	കോവൽ	बिम्बि	Coccinia grandis.L	Curcubitacea
122	കേശവർദ്ധിനി	Folk		
123	കുപ്പങ്ങി	Folk	Acalypha indica	Euphorbiaceae
124	കുരുമുളക്	मरिच	Piper nigrum	Piperaceae
125	കുരങ്ങ് മണൽ	सिन्दुरी	Bixa orellana L	Bixaceae
126	കരിംതൂവ	Folk	Anisomeles malabarica	Lamiaceae
127	കുവളം	बिल्व	Aegle marmelos	Rutaceae
128	കുന്നിരിക്കം	मन्दधूप	Canarum strictum	Burseraceae
129	കുറുഞ്ഞോട്ടി	बल	Sida acuta .Burm.f	Malvaceae
130	കുറുഞ്ഞോട്ടി ഭേദ	बल	Sida cordata Burm.f Borss	Malvaceae
131	കുമ്പിഴ	कश्मरु	Gmelina arborea Roxb.	Verbenaceae
132	കുടമുല്ല	कुन्द	Jasminium multiflorum	Oleaceae
133	കുടകപ്പാല	कुटज	Holarrhena antidysentrica	Apocynaceae
134	കുളവാഴ	Folk	Eichhornia crassipes	Pontederiaceae
135	കുരി	Folk	Cynometra travancorica	Fabaceae
136	കുവ	तुगाक्षीरि	Maranta arundinacea L	Marantaceae
137	കുരുള്ളി	Folk	Caesalpinia mimosoides	Fabaceae



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138	കൈപ്പനരച്ചി	Folk	Cipadessa baccifera	Malvaceae
139	കൈതച്ചക്ക	अननास	Ananas sativus	Bromeliaceae
140	കൈപ്പ	कारवेल्लक	Momordica charantia	Cucurbitaceae
141	ചെറുകൈത	केतकि	Hypolyrum nemorum	Cyperaceae
142	കീഴാർന്നെല്ലി	भुमि आमलकि	Phyllanthus niruri	Euphorbiaceae
143	കൃഷ്ണ തുളസി	सुरसा	Occimum sanctum	Lamiaceae
144	കൃഷ്ണ ശാരിബ	कुष्ण शारिब	Ichnocarpus frutesans	Apocynaceae
143	ഗരുഡപച്ച	Folk	Selaginella involvens	Selaginellaceae
144	ഗ്രാമ്പൂ	ग्राबु	Syzygium aromaticum L	Myrtaceae
145	ഗണപതി നാരകം	मातीफल	Cetrus medica	Rutaceae
146	ചതുര കള്ളി	वज्रकण्डक	Euphorbia antiquorum	Euphorbiaceae
147	ചട്ടുകകള്ളി	वज्रकण्डक	Euphorbia lactea	Euphorbiaceae
148	ചപ്പുങ്ങ	पत्मक (प्रतिनिधि)	Caesalpinia sappan	Caesalpiniaceae
149	ചണ്ണ കുവ	चण्ड	Costus speciosus	Zingiberaceae
150	ചതുരമുല്ല	हेममालती	Myxopyrum smilacifolium	Oleaceae
151	ചങ്ങലം പരണ്ട	अस्थिसिनाल	Cissus quadrangularis.L	Vitaceae
152	ചളിൻ , വയലത	अघोरी	Floucourtia indica	Flacourtiaceae
153	ചമര / പ്ലാശ്	पलाश	Butea monosperma L	Fabaceae
154	ചക്കരകൊല്ലി	मेषश्रुगि	Gymnema sylvestre	Asclepiadaceae
155	ചടച്ചി	धनुर्वुक्ष	Grewia tilifolia	Tiliaceae
156	ചന്ദനം	चन्दन	Santalum album.L	Santalaceae
157	ചാമ്പ	चाम्पेय:	Syzygium aquem	Myrtaceae
158	ചെങ്ങന്നൂർ കിഴങ്ങ്	चन्द्रमूल	Kaempferia rotunda L.	Zingiberaceae
159	ചെങ്ങര	रोहीतक	Aphanamixis polystachya	Meliaceae
160	ചെമ്പകം	चम्बक	Michelia champaca L.	Magnoliaceae
161	ചെറുനാരകം	निम्बु	Citrus limon	Rutaceae
162	ചെറുകൈതട്ടം	Folk		
163	ചെറുതേക്ക്	भार्गि	Clerodendrum serratum	Verbenaceae

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164	ചെറുതേക്ക് ഭേദ	Folk		
165	ചെറുകുടലാടി	रत्नापामार्ग	Cyathula prostrata	Amaranthaceae
166	ചെറു ചീര	तण्डुलीय	Amaranthus viridis	Amaranthaceae
167	ചെറുപുന്ന	ज्योतिष्मती	Celastrus paniculatus	Celastraceae
168	ചെമ്പരത്തി (ബുള്ള)	जप	Hibiscus Species	Malvaceae
169	ചെറുള	भद्र	Aerva lanata	Amaranthaceae
170	ചെമ്പുള്ളി	Folk	Ampelocissus indica	Vitaceae
171	ചേമ്പ	आलूकी	Colocasia esculenta	Araceae
172	ചേന	शुण	Amorphophaluscampanulatus	Araceae
173	ചേര്	भल्लातक	Semecarpus anacardium f.	Anacardiaceae
174	ചെമ്പരത്തി	जप	Hibiscus rosa-sinensis	Malvaceae
175	ചെത്തികൊടുബലി	चित्रक	Plumbago rosea	Rubiaceae
176	ചിറ്റരത്ത	रस्न	Alpinia calcarata	Zingiberaceae
177	ചിറ്റുരുത്	गुडूचि	Tinospora cordifolia	Menispermaceae
178	ചുവപ്പു കുന്നി	गुन्ज	Abrus precatorius	Fabaceae
179	ചുവന്ന മന്ദാരം	कान्चनार	Bauhinia varigata	Caesalpinaceae
180	ചുരക്കള്ളി	Folk	Jatropha multifida	Euphorbiaceae
181	ജാതി	जातीफल	Myristica fragrance	Myristicaceae
182	ഞാവൽ	जम्बु	Syzygium cumini L Skeel	Myrtaceae
183	ഞെട്ടാവിൽ	पूतीकरञ	Holoptelea integrifolia	Euphorbiaceae
184	ഞെട്ടിതെണ്ണ്	Folk	Arenga wightii	Arecaceae
185	ഞെട്ടുക	Folk		
186	ഞാറ	Folk	Syzygium macrophyllum	Verbenaceae
187	തച്ചുതാല	पुनर्नव	Boerhavia diffusa L.	Nyctaginaceae
188	താഴബു	Folk	Lilium neilgherrense	lillaceae
189	തലനീളി	प्रसारणी	Xenostegia tridentra	Convolvulaceae
190	താതീരി	घातकि	Woodfodia fruticossa	Lythraceae
191	താനി	विभीतकि	Terminalia bellirica	Combrataceae



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192	താർതാവൽ	വസൂക	Spermacoce hispida	Rubiaceae
193	തിരുതാളി	ലക്ഷ്മണ	Ipomoea marginata Verdc.	Convolvilaceae
194	തിപ്പുലി	പിപ്പലി	Piper longum	Piperaceae
195	ത്രീച്ചുട	Folk	Urica dioica	Uricaceae
196	തെങ്ങ	നാലീകേര	Cocos nucifera	Arecaceae
197	തച്ചി	പാറന്തി	ixora coccinea L.	Rubiaceae
198	തേൾക്കട	വുച്ഛികാലി	Heliotropium indicum	Boraginaceae
199	തേക്ക	ശാക	Tectona grandis L.f	Verbenaceae
200	തുമ്പ	ദ്രോണപുഷി	Leucas aspera Spreng.	Lamiaceae
201	തുമ്പസി	തുമ്പസി	Ocimum sanctum	Lamiaceae
202	തൊഴുകണ്ണി	Folk	Desmodium motorium	Fabaceae
203	തൊട്ടാൻവാടി	ലജ്ജാലു	Mimosa pudica	Mimosaceae
204	ദന്തപാല	സ്വേത കുടജ	Wrightia tinctoria	Apocynaceae
205	നന്താർവട്ടം	നന്ദിവുഷ	Tabernaemontana divaricata	Apocynaceae
206	നന്നാറി	അനന്തമൂല	Hemidesmus indicus	Periplocaceae
207	നാഗമുല്ല	Folk	Rhinacanthus nasutus	Acanthaceae
208	നാഗവള്ളി	Folk	Bauhinia scandens	Caesalpinaceae
209	നായ്കുരണ	കപികച്ചു	Mucuna pruriens DC.	Fabaceae
210	നാഗ താളി	Folk	Trichosanthes anamalaiensis	Cucurbitaceae
211	നാഗദന്തി	ദന്തി	Baliospermum montanum	Euphorbiaceae
212	നാഗപ്പു മരം	നാഗകേശ	Mesua ferrea	Clusiaceae
213	നാഡി ഹിഗു	നാഡീഹിഗു	Gardenia gummifera	Rubiaceae
214	നെല്ലി	അമലകി	Phyllanthus embilica	Euphorbiaceae
215	നിറുരി	കുറുണകാമോജി	Breynia vitis-idaea	Euphorbiaceae
216	നിലമ്പന	മുസലി	Curculigo orchoides.Gearn	Amaryllidaceae
217	നില നാരകം	ത്രിപണിക്ക	Naregamia afata Wight	Meliaceae
218	നിലമ്പരണ്ട	ത്രിപാദി	Desmodium triforum L. DC	Fabaceae



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219	നീത്യകല്യാണം	नित्यकल्याणी	Catharanthus roseus	Apocynaceae
220	നീലമുളി	नीली	Indigofera tinctoria	Fabaceae
221	നീല കുറിഞ്ഞി	Folk	Barleria elata	Acanthaceae
222	നീലകാതളം	वरुण	Crataeva nurvala	Capparidaceae
223	നീലകടമ്പ	कदम्ब	Anthocephalus indicus	Rubiaceae
224	നീലമുളി	अर्जुन	Terminalia arjuna Rox.ex DC	Combretaceae
225	നീല ഉണം	दत्तूर	Datura fastuosa	Solanaceae
226	നോവുണ്ണി	Folk	Chonemorpha fragrans	Apocynaceae
227	നോമ്പി	Folk	Morinda citrifolia	Rubiaceae
228	പനിക്കുരുക്ക	पाषाणभेद	Coleus ambonicus Benth.	Lamiaceae
229	പലകപ്പയ്യം	शयानक	Oroxylum indicam L	Bignoniaceae
230	പനനീർ	तरुनी	Rosa damascena	Rosaceae
231	പല്ലുവേദന ചെടി	Folk	Spilanthes calva	Asteraceae
232	പരപ്പടകപ്പല്ല	पर्पटक	Oldenlandia corymbosa L.	Rubiaceae
233	പച്ചില	पर्पटी	Pogostemon heyneanus	Lamiaceae
234	പനിച്ചുക	नीलसारम्	Diospyros embryopteris	Ebenaceae
235	പയിൻ	सर्जक	Vateria indica	Dipterocarpaceae
236	പശുതാരകൊല്ലി	Folk	Muehlenbeckia platyclados	Polygonaceae
237	പാവട്ട	तिर्यक्फल	Pavetta indica	Rubiaceae
238	പാറക	काकोदुम्बरिका	Ficus hispida	Moraceae
239	പാണൽ	अश्व शाघोट	Glycosmis pentaphylla	Rutaceae
240	പാച്ചോറ്റി	लोद्र	Symplocos cochinchinensis	Symplocaceae
241	പാട കിഴങ്ങ്	पाठ	Cyclea peltata.Hook.f	Menispermaceae
242	പാരിജാതം	शोफ़ालिका	Nyctanthes arbortristis	Nyctanthaceae
243	പാൽമുതുക	क्षीरविदारी	Ipomoea mauritiana Jacq.	Convolvulaceae
244	പാൽവള്ളി	Folk	Ichnocarpus frutescens	Apocynaceae
245	പെപ്പർമിഡ്	पुतीन	Mentha piperata	Lamiaceae
246	പെരുങ്കുരുമ്പ	मूर्व	Chonemorpha fragrans	Apocynaceae



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247	പെരുന്തുക	भाण्डीर	Clerodndrum infortunatum	Verbenaceae
247	പേഴ	कटभि	Careya arborea Roxb	Lecythidaceae
248	പേരാൽ	न्यग्रोध	Ficus benghalensis	Moraceae
249	പേര	पालेवतम्	Psidium guajava	Myrtaceae
250	പൊന്നാനകര	कासमर्दः	Cassia sophera L.	Caesalpinaceae
251	പിച്ചുക	जाती	Jasminum grandiflorum	Oleaceae
252	പീനാനി	पुतिदारु	Sterculia guttata Roxb	Sterculiaceae
253	പുഴമുത്ത	अग्निमन्धः	Premna tomentosa	Verbenaceae
254	പുന്ന	पुन्नाग	Calophyllum inophyllum	Clusiaceae
255	പുഴക്കടിയകര	Folk	Senna alata L Roxb.	Caesalpinaceae
256	പുളി	अम्लिका	Tamarindus indicas	Caesalpinaceae
257	പുണാൽ മുരിങ്ങ	Folk	Sauropus quadrangularis	Euphorbiaceae
258	പുപാതിരി	पाडल	Stereospermum suaveolens	Bignoniaceae
259	പുവരസ്	पिप्पलः भेद	Thespesia populnea	Malvaceae
260	പുത്തരഞ്ഞി	पुत्रन्जीव	Drypetes roxburghi	Euphorbiaceae
261	പുത്തരിച്ചുണ്ട	बहती	Solanum indicum Hook.f	Solanaceae
262	പുളിയാനൽ	चाङ्गेरी	Oxalis corniculata	Oxalidaceae
263	പുവാങ്കുറുന്തൽ	सहदेवी	Vernonia cinerea	Asteraceae
264	പുള മരം	शाल्मलि	Bombax ceiba L.	Bombacaceae
265	പുഷ്പ മുല്ല	Folk	Psilanthus travancorensis	Rubiaceae
266	പ്രസാരണി	प्रसारणी	Merremia tridentata(L)Hall.f.	Convolvulaceae
267	പ്ലാവ്	पनस	Artocarpus heterophyllus	Moraceae
268	ഭദ്രാക്ഷം	Folk	Scaevola sericea	Goodeniaceae
267	ബദാം	वाताद	Prunus amygdalus	Rosaceae
268	ബ്രഹ്മി	ब्रह्मि	Bacopa monnieri	Scrophulariaceae
269	ബ്ലാത്തിച്ചുണ്	Folk	Alocasia macrorrhiza L G.Don	Araceae
270	ബലയിഞ്ചി	आर्दक भेद	Zingiber wightianum	Zingiberaceae
271	മധുര കിഴങ്	Folk	Ipomoea batatas Lam.	Convolvulaceae
272	മരോട്ടി	कम्बिल्लक	Hydnocarpus pentandra	Flacourtiaceae



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273	മരച്ചീനി	कल्पकन्द	Manihot esculenta Crantz	Euphorbiaceae
274	മൾബറി	तूतम्	Morus alba L.	Moraceae
275	മന്ദാരം	कान्चनार	Bauhinia purpuria.	Caesalpinaceae
276	മഞ്ഞമന്ദാരം	कान्चनार	Bauhinia tomentosa	Caesalpinaceae
277	മട്ടി		Alanthus malabarica	Simaroubaceae
278	മലങ്കാര	मदनफल	Randia dumetorum(Retz)Poir.	Rubiaceae
279	മലതാങ്ങി	पाठ भेद	Stephania wightii Arn. Dunn	Menispermaceae
280	മഞ്ഞ അരളി	करवीर	Thevetia peruviana	Apocynaceae
281	മറിക്കുന്നി	Folk	Zornia diphylla	Fabaceae
282	മഞ്ചട്ടി	मजिष्ठ	Rubia cordifolia	Rubiaceae
283	മർമ്മാണി	Folk		
284	മഞ്ചാടി	कुचन्दन	Adenathera pavonia	Mimosaceae
285	മഞ്ഞൾ	हरिद्र	Curcuma longa.L	Zingiberaceae
286	മണിത്തക്കാളി	काकमाचि	Solanum nigrum	Solanaceae
287	മധുര കൊഴുപ്പ്	Folk	Scoparia dulcis	Scrophulariaceae
288	മരൾ	नागधमन	Sansevie rabroxburghiana	Liliaceae
289	മാങ്ങാ ഇഞ്ചി	आर्द्रक भेद	Curcuma amada	Zingiberaceae
290	മാങ്ങാ നാനി	Folk	Limnophila aromatica	Scrophulariaceae
291	മാവ്	आम्र	Mangifera indica	Anacardiaceae
292	മാതളം	डाडिम	Punica granatum L.	Punicaceae
293	മേന്മാനനി	लान्गलि	Gloriosa superba	Colchicaceae
294	മൈലാഞ്ചി	मदयन्तिका	Lawsonia inermis L.	Lythraceae
295	മീനാങ്ങണി	मत्स्याक्षी	Alternathera sessilis	Amaranthaceae
296	മുത്തങ്ങ	मुस्त	Cyprus rotundus	Cyperaceae
297	മുനികൂട്ടിച്ചു	Folk	Hemigraphis colorata Hall.f	Acathaceae
298	മുല്ല	मालती	Jasminum sambac Ati.	Oleaceae
299	മുള	वंश	Bambusa arundinaceae	Poaceae
300	മുളള വേങ്ങ	Folk	Briedelia retusa	Euphorbiaceae



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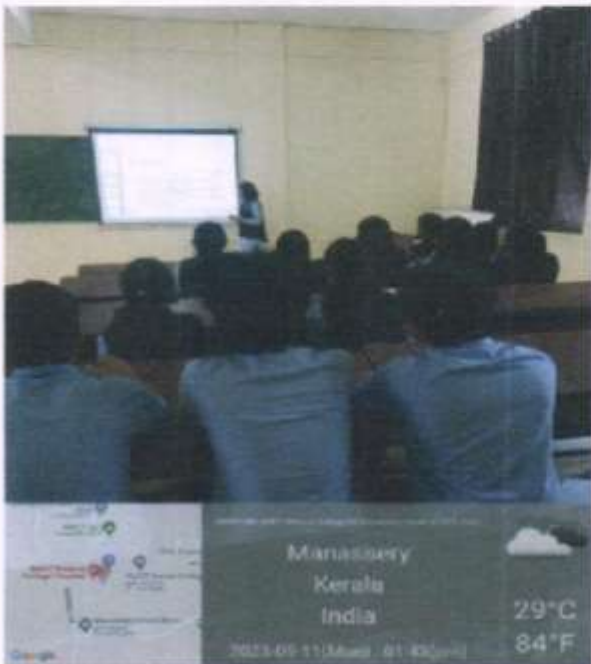


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ICT ENABLED CLASSROOM

PowerPoint presentations and video presentations are used by both faculty and students for easy understanding and proper comprehension of the acquired knowledge.



POWERPOINT PRESENTATION BY STUDENTS



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COMPUTER LABORATORY

A computer laboratory is available for the students, which have adequate computers, internet connectivity, and a projector to support practical sessions. In addition, the college provides access to software packages such as Ex-Pharm, which is used for pharmacology practical.



COMPUTER LAB



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 - D.Pharm
 - Pharm.D
- 2020 ADMISSION
 - B.Pharm
 - D.Pharm
 - Pharm.D
- 2021 ADMISSION
 - B.Pharm
 - D.Pharm
 - Pharm.D
- 2022 ADMISSION
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General

Announcements

- Topic 1
- Topic 2
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Topic 1



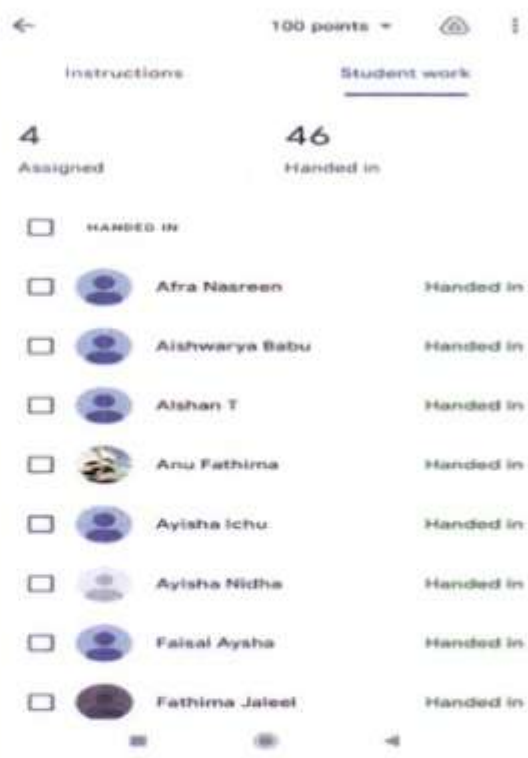
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ICT THROUGH GOOGLE CLASSROOM



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USE OF INFORMATION & COMMUNICATION TECHNOLOGY (ICT)

ICT USING YOUTUBE VIDEOS AND VIDEO LECTURES

URL of YouTube videos

<https://youtu.be/RnDydlfE3Ik>

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EX-Pharm

Ex-Pharm is a computer assisted learning (CAL) software, containing various programs which simulate animal experiments in pharmacology.

Virtual Lab Ex Pharm Series Software National

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Experimental Pharmacology Series

Experiments List

•	Study of muscle relaxant activity with the help of "Rota-Rod Apparatus"	
•	Study of cns depressants & stimulants using "actophotometer".	
•	Study of analgesic activity with the help of "tail flick apparatus".	
•	Study of antihistaminic drugs with the help of histamine chamber (Mast Cell Stabilization Assay).	
•	Study of analgesic activity with the help of "hot plate apparatus".	
•	Study of drugs acting on cns using "elevated plus maze".	
•	Study of anticonvulsant activity using "electro convulsometer".	
•	Experiment on effects of various drugs on rabbit's eye.	
•	To study analgesic activity by writhing test.	
•	To study PTZ induced convulsions in mice	
•	Effect of different drugs on frog's heart	



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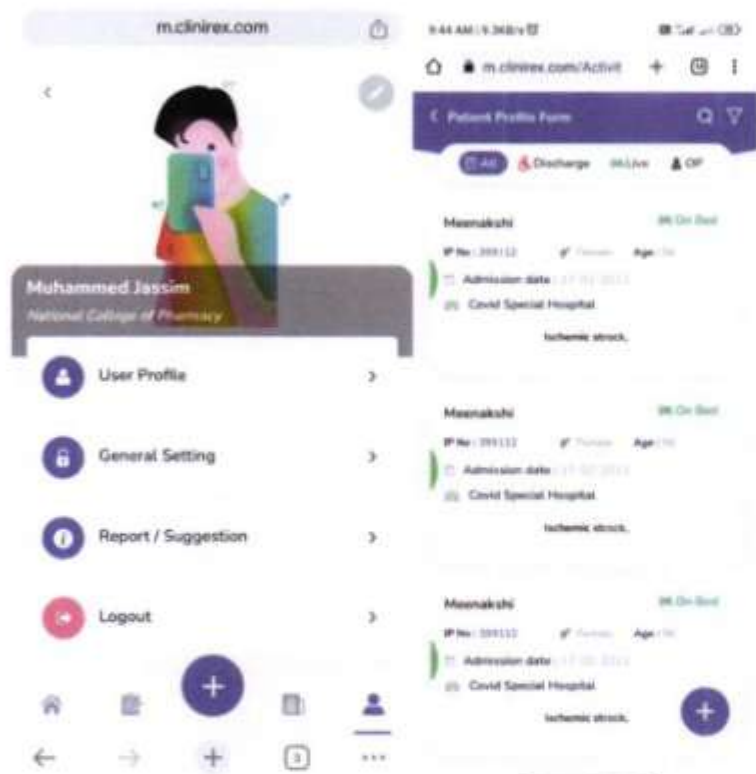


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CLINIREX

Clinirex, a software which is used by Pharm D graduates. It has the facility of E- log book, drug information, research articles, drug information, profile addition and also many more options.



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FLIP CLASS

Students receive notes before the class, and they subsequently take the class, with the faculty also instructing on that subject.



Student taking on a short session



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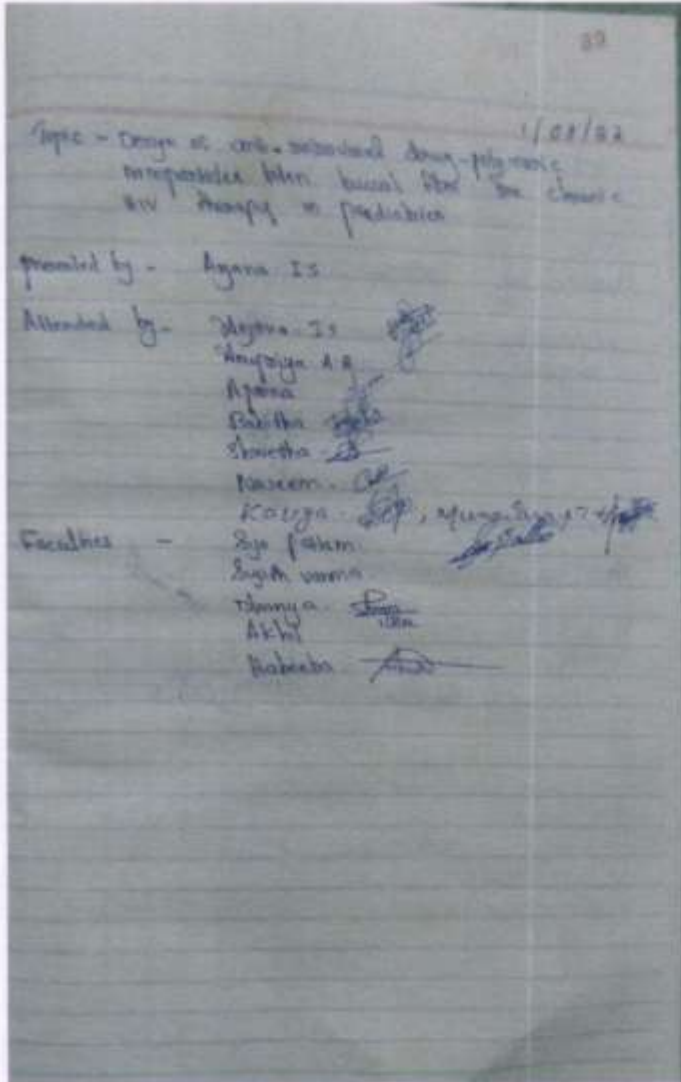


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JOURNAL CLUB PRESENTATIONS

In order to target a higher domain of learning, students are then expected to apply their literature-evaluation skills by selecting, evaluating and presenting in journal clubs.



LIST M PHARM PHARMACEUTICS STUDENTS AND FACULTIES ATTENDED
JOURNAL CLUB PRESENTATION OF M PHARM STUDENT



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JOURNAL CLUB PRESENTATION OF M PHARM PHARMACEUTICS STUDENT



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BED SIDE TEACHING

At our campus, we are having a medical college equipped with a facility comprising over 720 beds, providing our students with the invaluable opportunity to engage in comprehensive case report studies.



BED SIDE TEACHING



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DRUG INFORMATION CENTER (DIC)

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CASE STUDY

CASE STUDY ON EPILEPSY

Presented by :
Reg no : FT2421219

CLERKSHIP SITE : KMCT MEDICAL COLLEGE HOSPITAL

Sl. No	MONTH	DEPARTMENT	PATIENT COUNSELLING	MEDICAL HISTORY INTERVIEW	MEDICAL HISTORY REVIEW	DRUG INFORMATION SHEET	ADR REPORTING	PHARMACEUTICAL INTERESTS
1	DECEMBER	NEPHROLOGY	4	5	4	1	0	0
2	JANUARY	PULMONOLOGY	7	6	5	0	0	0
3	FEBRUARY	ENTRINOLOGY	4	5	7	0	0	0
4	MARCH	NEUROLOGY	10	5	3	0	1	0
5	APRIL	GENERAL MEDICINE	3	4	3	1	0	0
6	MAY	ORTHOPAEDICS	0	4	3	2	0	0
7	JUNE	EMERGENCY DEPARTMENT	3	3	2	0	0	0

DEFINITION

- Epilepsy is a neurological disorder marked by sudden recurrent episodes of sensory disturbances, loss of consciousness, or convulsions, associated with abnormal electrical activity in the brain.
- Epilepsy may occur as a result of genetic disorder or an acquired brain injury, such as trauma or stroke.



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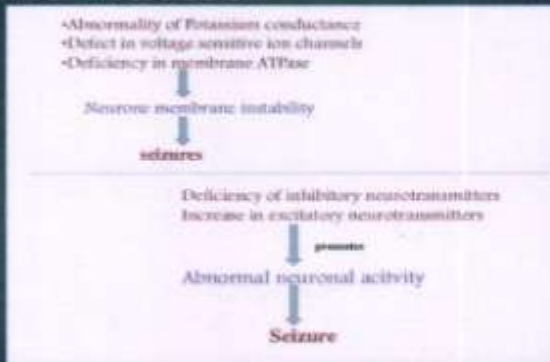


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PATHOPHYSIOLOGY



SUBJECTIVE



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PATIENT DEMOGRAPHIC DETAILS

NAME : Ms V
AGE : 22 yrs
SEX : female
OP No : 341428
DOA : 20/4/2022
DOD : 22/4/2022
DEPT : NEUROLOGY

Reason for admission:

C/O of seizure activity 3 times since morning, loss of consciousness, fever and diarrhoea since 2 days.

PHYSICAL EXAMINATION

TEMP : 102.7
PULSE : 90bpm
RR : 20 breaths/min
BP : 110/70 mm of Hg



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LABORATORY INVESTIGATION

Hb : 10mg/dl
PCV : 39%
Platelets : 3.0Lakhs/cu mm
TC : 7000 cells /cu mm
sodium : 139 mmol/L
Potassium : 3.6 mmol /L

ASSESSMENT

▶ SUBJECTIVE EVIDENCE

C/O 3 episodes of seizure since morning with fever and severe diarrhoea.

OBJECTIVE EVIDENCE

Patient was unconscious & temperature was increased.

EPILEPSY



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PLAN

SL NO	BRAND NAME	GENERIC NAME	DOSE	ROA	FREQ	DAY 1	DAY 2
1	INJ DIANTIN	Phenytoin	50 mg	IV	BD	Y	Y
2	INJ DIAZEPAM	Diazepam	4 mg	IV	SOS	Y	Y
3	INJ ISOLYTE P	Isolyte	16.7gpm	IV	SOS	Y	Y
4	IV fluid	(NSR)	100 ml	IV	BD	Y	Y
5	TAB LOPAMIDE	loperamide	2 mg	oral	BD	Y	Y
6	TAB CALPOL	Acetaminophen	500	oral	BD	Y	Y

Generic name	Pharmacological class	Indication	Drug related problems
INJ Phenytoin	ANTI EPILEPTIC		
	MCA: Suppress abnormal activity produced by nerve cell	EPILEPSY	DI - DIAZEPAM ADR: Increase serum level of phenytoin
INJ DIAZEPAM	SENZODIAZEPINES		
	MCA: Increase inhibitory action of GABA neurotransmitter	EPILEPSY	DI - PHENYTOIN ADR: Increase serum level of phenytoin



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Inj. Isolyte	Dextrose		
	MOA : Provides electrolytes, calories and source of water	Maintains electrolyte level	DI : NL ADR : NL
IV FLUIDS(NS, RL)	Normal saline & Ringer lactate solution	Dehydration	DI : NL ADR:NL
	MOA : replaces fluids and electrolyte with low blood volume		

TAB. LOPERAMIDE	ANTI DIARRHEAL AGENT.		
	MOA: Binds to opiate receptor and inhibit the release of Ach and PG.	DIARRHOEA	DI : NL ADR: NL
ACETAMINOPHEN	ANALGESIC AND ANTI PYRETIC .		
	MOA : Decrease production of prostaglandin .	FEVER AND PAIN	DI : NL ADR : NL

PROGRESS CHART :

DAY :1

Seizure present .Patient was unconscious.

DAY:2

C/O fever and diarrhea .
Decreased episodes of seizure.

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DISCHARGE MEDICATION

Tab.Lopamide 2mg/oral/bid (1 day).
Tab.Calpof 500mg/oral/bid (2 days).
Tab.Dilantin 7mg/kg/bid (7 days).

PATIENT COUNSELLING

Do not stop taking any drug if
feeling better .
Consult your physician immediately
when any ADR is noticed .
Maintain good hygiene .

DRUG RELATED COUNSELLING

Phenytoin :

Report if the patient experience headache,
hypersensitivity ,dizziness, tremor.

Diazepam :

Report if fatigue ,sedation occurs .



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Drug interaction :

Diazepam increases serum level
of phenytoin

DISEASE RELATED COUNSELING

Take food on time .

Avoid driving .

Should get adequate sleep .

Avoid exposure to sunlight .

THANK YOU

CASE STUDY PRESENTATION OF PHARM D STUDENT



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RESEARCH OF M PHARM PHAMACY PRACTICE

Sl.No	Reg. No	Name	Topic approved by University	Name of Guide	Signature of the Guide	Co-Guide(If any)	Signature of the Candidate
1	202810101	AMJADA JASSON E	Association Between Urinary Tract Infection In Pregnancy And Risk Of Pre-eclampsia - a Case Control Study	SAREENA A			
2	202810102	ASNA SHERIN E	Assessment Of Sarcopenia Among Chronic Disease Patients In North Kerala - a Cross Sectional Study	RAJEEV P THOMAS			
3	202810103	ADWATHY A	Cost effectiveness Of Topical 1% Lubricant And Topical 1% Tetracycline In Localized Dermatoses	ANJU T S			
4	202810104	GALFA NARAI N A	Obstacles And Clinical Pharmacokinetic Interactions To Injunctive Medication Adherence Among Covid Patients	VINOD THOMAS			
5	202810105	JADEEDA X	Impact Of Clinical Pharmacokinetic Interactions In Improving Medication Adherence And Quality Of Sleep In Patients Receiving Psychotropic Drugs	SARITHA P			
6	202810106	MIZU JASRA V	Assessment Of Efficacy And Safety Of Triple Drug Therapy In Treatment Of Severe Covid Exacerbations	JERENA E			
7	202810107	SHEENTHA M	Study On The Effect Of Antipsychotics On Cognition In Elderly Patients - a Retrospective Study	RAJEEV P THOMAS			



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RESEARCH OF PHARM D STUDENTS

10/6/22, 10:41 AM 9082 pg

POST COVID RESPIRATORY SEQUELAE AND THEIR MANAGEMENT IN A TERTIARY CARE TEACHING HOSPITAL

Dissertation submitted to
KERALA UNIVERSITY OF HEALTH SCIENCES



Dissertation carried out, in partial fulfillment for the award of the degree of
DOCTOR OF PHARMACY

Submitted by

NANDHITHA SATHEESAN	Reg. No: 172820200
FATHIMA NAJIYA KOVILAKAM PARAMBA	Reg. No: 172820196
ARSHINA K	Reg. No: 172820192

Under the Guidance of

MR. RAJEEV P THOMAS Professor Department of Pharmacy Practice National College of Pharmacy Manassery, Mulkam, Kozhikode	Prof Dr. BINURAJ C MBBS, MD, DTCO Department of Pulmonology, KMCT Medical College Manassery, Mulkam, Kozhikode
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Prof. Sanjeev Manhas
Coordinator, Continuing Education Centre
IIT Roorkee

Aug-Sep 2022

(4 week course)

Priti Maheshwari

Prof. Priti Maheshwari
NPTEL Coordinator
IIT Roorkee



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Library has a seating capacity of more than 50 students at a time. 12 computer terminals with the latest software and free internet facility are available for student use. Internet facility with free downloading is provided to the students. More than 388 online journals and other E-resources are available from the NDL Digital library for the students through library subscription and national and international printed journals are made available for the students free of cost for their literature survey.



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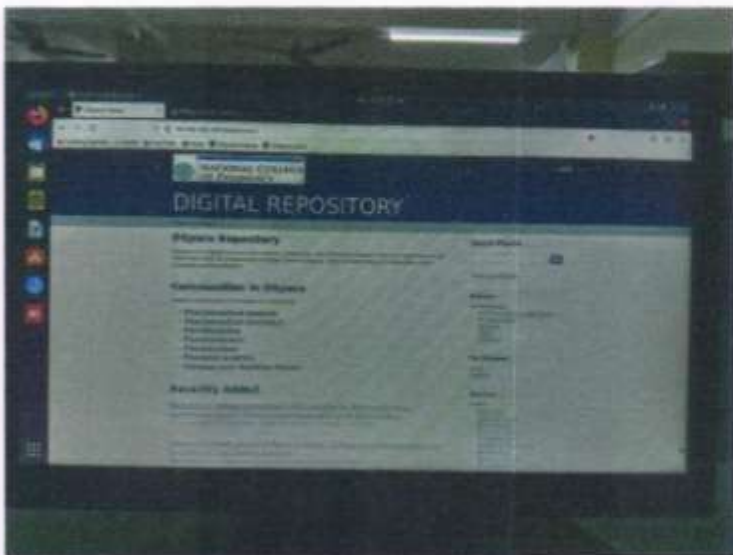


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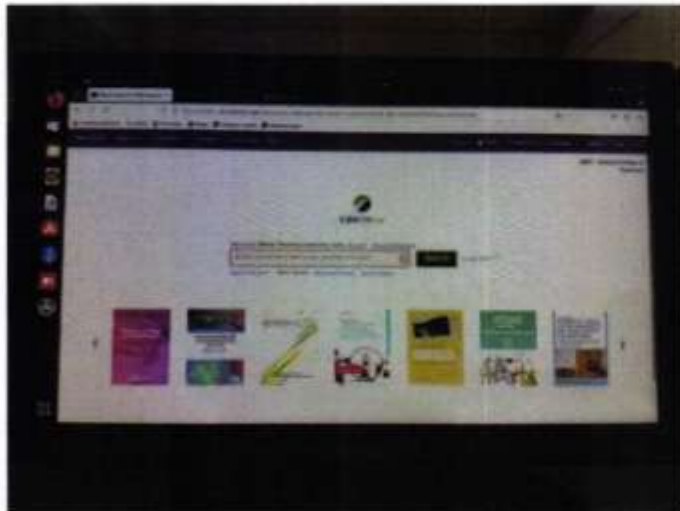


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DEL-NET



EBSCO



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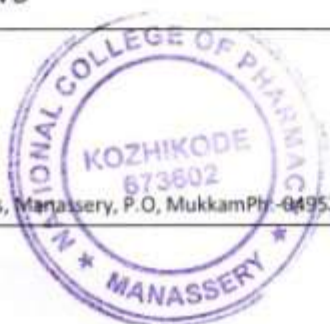


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AUTOMATION	SERVICES	FACILITIES
<ul style="list-style-type: none">• Open Source Library Automation Software KOHA(Version 19.05)• Online Public Access Catalogue (OPAC)facility• Institutional repository software DSpace(Version6.3)	<ul style="list-style-type: none">• Circulation section• Reference service• Periodical section• Digital Library• Access to previous year question papers• Printing service• Online reservation of books through OPAC.	<ul style="list-style-type: none">• Book Lending• Reference• OPAC• Reprographic facility• Remote access to digital contents• Remote access to institutional repository• Access to EBSCO and DELNET databases for e-journals.• Reading Room.

NAME	COUNT
Books	9875
Gift books	478
Non-Books	165
Magazines	15
Newspapers	2
Subject magazines	33
E-books	199000
E-Journals	972
CD/DVD	150



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PROBLEM SOLVING METHOD FINAL YEAR B PHARM PROJET

Project Learning Detail




Kerala University of Health Sciences
Thrissur - 680 596

Project Details (Generated On: 13-07-2023 16:13:23)

P17 - National College of Pharmacy, Kozhikode

Course	B.Pharm
Examination	English Language (B.Pharm Degree Regular Examinations 2019 Admission), July 2023

Sl. No	Register No. & Name	Department	Elective Subject 1	Elective Subject 2	Project Title	Name of Supervising Faculty	Name of Co-guide	Entry Date
1	HESSIANI ADAR FATHMA B.P	PHARMACEUTICS	General Science - Theory	Quality Control and Standardization of Tablets - Theory	PREPARATION AND EVALUATION OF CREAM CONTAINING CAPSAICIN PEPPER FOR USE AS AN ANTI-ITCHING	P11402 SUDHIN K		04-07-2023
2	HESSIANI ADAR FATHMA	PHARMACEUTICS	General Science - Theory	Quality Control and Standardization of Tablets - Theory	FORMULATION AND EVALUATION OF MEDICAL SOAP	P10940 SUDHIN K		04-07-2023
3	HESSIANI ALABLA P	PHARMACEUTICS	General Science - Theory	Quality Control and Standardization of Tablets - Theory	DEVELOPMENT AND EVALUATION OF A NATURAL MOUTH WASH FOR GINGIVITIS	P11441 JITHIN M J		04-07-2023
4	HESSIANI ANNA SARDIN	PHARMACEUTICS	General Science - Theory	Quality Control and Standardization of Tablets - Theory	PREPARATION AND EVALUATION OF ANTERIOR POSTERIOR GEL FOR GONORRHOEA AND URETRITIS	P10999 SUDHIN K		04-07-2023
5	HESSIANI ARIYAN K	PHARMACEUTICS	General Science - Theory	Quality Control and Standardization of Tablets - Theory	PREPARATION AND EVALUATION OF MEDICATED CREAM	P10222 SUDHIN K		04-07-2023
6	HESSIANI ASHRAF	PHARMACY PRACTICE	General Science - Theory	Pharmaceuticals - Theory	ANALYSIS OF MEDICATOR CONCENTRATIONS IN A TERTIARY CARE HOSPITAL	P10204 SUDHIN K		04-07-2023
7	HESSIANI ASHRAF	PHARMACEUTICS	General Science - Theory	Quality Control and Standardization of Tablets - Theory	DEVELOPMENT AND EVALUATION OF A NATURAL MOUTH WASH FOR GINGIVITIS	P11441 JITHIN M J		04-07-2023
8	HESSIANI ASHRAF	PHARMACY PRACTICE	General Science - Theory	Pharmaceuticals - Theory	STUDY ON KNOWLEDGE ATTITUDE AND PRACTICE OF SELF-MEDICATION AMONG MEDICAL AND PHARMACY STUDENTS	P10224 SUDHIN K		04-07-2023
9	HESSIANI ASHRAF	PHARMACY PRACTICE	General Science - Theory	Pharmaceuticals - Theory	STUDY ON KNOWLEDGE ATTITUDE AND PRACTICE OF SELF-MEDICATION AMONG MEDICAL AND PHARMACY STUDENTS	P10225 SUDHIN K		04-07-2023
10	HESSIANI ASHRAF	PHARMACY PRACTICE	General Science - Theory	Pharmaceuticals - Theory	PATIENTS KNOWLEDGE ATTITUDE AND PRACTICE OF SELF-MEDICATION AMONG MEDICAL AND PHARMACY STUDENTS	P10226 SUDHIN K		04-07-2023
11	HESSIANI ASHRAF	PHARMACEUTICS	General Science - Theory	Quality Control and Standardization of Tablets - Theory	FORMULATION AND EVALUATION OF POLYMERAL SOLUBLE GEL	P11106 SUDHIN K		04-07-2023
12	HESSIANI ASHRAF	PHARMACEUTICS	General Science - Theory	Quality Control and Standardization of Tablets - Theory	FORMULATION AND EVALUATION OF POLYMERAL SOLUBLE GEL	P10227 SUDHIN K		04-07-2023



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Project Submitted Details						Project	Date
13	1800240 ADARSH E P	PHARMACY PRACTICE	Cosmetic Science - Theory	Pharmacognosy - Theory	DISPENSING PATTERN OF OTC DRUGS IN COMMUNITY PHARMACIES	P1028 VINOD THOMAS	06-07-2023
14	1800242 ATHIRA E	PHARMACEUTICS	Cosmetic Science - Theory	Quality Control and Standardizations of Herbs - Theory	FORMULATION AND EVALUATION OF HERBAL HAIR GEL	P1031 SHARDEEN K	06-07-2023
15	1800247 AYISHA HEDRIN	PHARMACEUTICS	Cosmetic Science - Theory	Quality Control and Standardizations of Herbs - Theory	DESIGN, DEVELOPMENT AND EVALUATION OF ANTI CRACK CREAM	P1074 JINGHA P	06-07-2023
16	1800249 BASILA SHERIN	PHARMACEUTICS	Cosmetic Science - Theory	Quality Control and Standardizations of Herbs - Theory	FORMULATION AND EVALUATION OF POLYHERBAL HAIR OIL	P1086 SIX C	06-07-2023
17	1800249 DHATHANVI R	PHARMACY PRACTICE	Cosmetic Science - Theory	Pharmacognosy - Theory	PATIENTS KNOWLEDGE, ATTITUDE AND PERCEPTION CONCERNING ANTIBIOTIC RESISTANCE IN A TERTIARY CARE HOSPITAL	P12017 JERINA E	06-07-2023
18	1800240 C RISHNA	PHARMACY PRACTICE	Cosmetic Science - Theory	Pharmacognosy - Theory	PRESCRIPTION AUDIT AT A TERTIARY CARE TEACHING HOSPITAL	P1105 SARITHA P	06-07-2023
19	1800241 DILNA NASAR	PHARMACY PRACTICE	Cosmetic Science - Theory	Pharmacognosy - Theory	ANALYSIS OF MEDICATION ERRORS IN A TERTIARY CARE HOSPITAL	P12016 SAREENA A	06-07-2023
20	1800242 FARHA SATHAR	PHARMACY PRACTICE	Cosmetic Science - Theory	Pharmacognosy - Theory	PRESCRIPTION AUDIT AT A TERTIARY CARE TEACHING HOSPITAL	P1106 SARITHA P	06-07-2023
21	1800243 FARIS M K	PHARMACEUTICS	Cosmetic Science - Theory	Quality Control and Standardizations of Herbs - Theory	DEVELOPMENT AND EVALUATION OF A NATURAL MOUTH WASH AGAINST DENTAL CARIES	P11445 JYOTHI M JOY	06-07-2023
22	1800243 FATHIMA SIDRA P	PHARMACEUTICS	Cosmetic Science - Theory	Quality Control and Standardizations of Herbs - Theory	FORMULATION AND EVALUATION OF HERBAL ORAL GEL	P1085 JAMHEEYA E	06-07-2023
23	1800243 FATHIMA HASSAN K A	PHARMACY PRACTICE	Cosmetic Science - Theory	Pharmacognosy - Theory	PRESCRIPTION AUDIT AT A TERTIARY CARE TEACHING HOSPITAL	P1108 SARITHA P	06-07-2023
24	1800243 FATHIMA THAVIS	PHARMACEUTICS	Cosmetic Science - Theory	Quality Control and Standardizations of Herbs - Theory	FORMULATION AND EVALUATION OF HERBAL FARMERS FACE PASTE	P1033 DEEPTHI O	06-07-2023
25	1800244 FACI AYOOB T K	PHARMACEUTICS	Cosmetic Science - Theory	Quality Control and Standardizations of Herbs - Theory	PREPARATION AND EVALUATION OF AFTER SHOWER HAIR EMULSION FOR DANDRUFF AND PSORIASIS USING WRIGHTIA TINCTORIA Root RB	P1309 SANGEETHA DULRANJAN	06-07-2023
26	1800241 HADHA HANNA	PHARMACEUTICS	Cosmetic Science - Theory	Quality Control and Standardizations of Herbs - Theory	FORMULATION AND EVALUATION OF POLYHERBAL HAIR SERUM	P2236 NIPAL P	06-07-2023
27	1800244 HEENA ENGR E	PHARMACEUTICS	Cosmetic Science - Theory	Quality Control and Standardizations of Herbs - Theory	FORMULATION AND EVALUATION OF POLY HERBAL FACE TONER	P15275 HABEEDA RAHMAN P	13-07-2023
28	1800244 JASEEL KARIEM	PHARMACEUTICS	Cosmetic Science - Theory	Quality Control and Standardizations of Herbs - Theory	PREPARATION AND EVALUATION OF AFTER SHOWER HAIR EMULSION FOR DANDRUFF AND PSORIASIS USING WRIGHTIA TINCTORIA Root RB	P1309 SANGEETHA DULRANJAN	06-07-2023
29	1800244 JASMIN P	PHARMACEUTICS	Cosmetic Science - Theory	Quality Control and Standardizations of Herbs - Theory	PREPARATION AND EVALUATION OF CREAM CONTAINING DRACENA REFLEXA FOR USE AS SKIN PROTECTANT	P11952 SUDHIN VARMA K	06-07-2023
30	1800249 JHANA T	PHARMACEUTICS	Cosmetic Science - Theory	Quality Control and Standardizations of Herbs - Theory	FORMULATION AND EVALUATION OF HERBAL HAIR SERUM	P1046 SULO PKTAM	06-07-2023
31	1800240 KORAN PRABASH M P	PHARMACEUTICS	Cosmetic Science - Theory	Quality Control and Standardizations of Herbs - Theory	PREPARATION AND EVALUATION OF MEDICATED LOTION BAR	P1235 ANIL VARMA	06-07-2023



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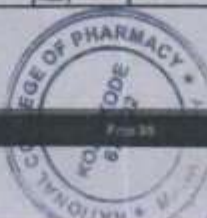
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Project Submitted Details

Report

32	18002401	LIJIMAN AL P	PHARMACOLOGY	Cosmetic Science - Theory	Quality Control and Standardizations of Herbs - Theory	DEVELOPMENT AND EVALUATION OF A NATURAL MOUTH WASH AGAINST DENTAL CARIES	P11445	JYOTHI M JOY	13-07-2023
33	18002402	MANJIMA MANJU	PHARMACY PRACTICE	Cosmetic Science - Theory	Pharmacognosy - Theory	ANALYSIS OF MEDICATION ERRORS IN A TERTIARY CARE HOSPITAL	P10018	SARADHA A	06-07-2023
34	18002403	NAJLIANA FARVEEN V	PHARMACEUTICS	Cosmetic Science - Theory	Quality Control and Standardizations of Herbs - Theory	DESIGN, DEVELOPMENT AND EVALUATION OF ANTI CRACK CREAM	P10476	JINDRA P	06-07-2023
35	18002404	MEGHAK P	PHARMACY PRACTICE	Cosmetic Science - Theory	Pharmacognosy - Theory	SURVEY ON KNOWLEDGE, ATTITUDE AND PRACTICE OF SELF-MEDICATION AMONG MEDICAL AND PHARMACY STUDENTS	P10574	ANUJ S	06-07-2023
36	18002405	MEDHA O M	PHARMACEUTICS	Cosmetic Science - Theory	Quality Control and Standardizations of Herbs - Theory	FORMULATION AND EVALUATION OF POLYHERBAL HAIR OIL	P10690	SLA C	13-07-2023
37	18002401	MOHAMMED JACEEL	PHARMACEUTICS	Cosmetic Science - Theory	Quality Control and Standardizations of Herbs - Theory	DESIGN, DEVELOPMENT AND EVALUATION OF ANTI CRACK CREAM	P12474	JINDRA P	06-07-2023
38	18002403	MOHAMMED SHEEER	PHARMACEUTICS	Cosmetic Science - Theory	Quality Control and Standardizations of Herbs - Theory	FORMULATION AND EVALUATION OF POLY HERBAL FACE TONER	P10272	HAREESA RAJWAN P	06-07-2023
39	18002404	MUBASHIRA	PHARMACEUTICS	Cosmetic Science - Theory	Quality Control and Standardizations of Herbs - Theory	FORMULATION AND EVALUATION OF HERBAL ORAL GEL	P10683	JANSHYKA E	06-07-2023
40	18002405	MUHAMMED FATH P K	PHARMACEUTICS	Cosmetic Science - Theory	Quality Control and Standardizations of Herbs - Theory	FORMULATION AND EVALUATION OF HERBAL FAIRNESS FACE PACK	P10632	DEEPTHA D	06-07-2023
41	18002405	MUHAMMED RIFAN V P	PHARMACOLOGY	Cosmetic Science - Theory	Quality Control and Standardizations of Herbs - Theory	PREPARATION AND EVALUATION OF AFTER SHOWER HAIR EMULSION FOR DANDRUFF AND PSORIASIS USING TRICHOTIA TRICHOSPERMUM OIL	P12003	SANGEETHA SURESHWARAN	06-07-2023
42	18002470	MUHAMMAD SALAM	PHARMACEUTICS	Cosmetic Science - Theory	Quality Control and Standardizations of Herbs - Theory	FORMULATION AND EVALUATION OF POLYHERBAL HAIR OIL	P10690	SLA C	06-07-2023
43	18002471	NAPALA SALEEM	PHARMACEUTICS	Cosmetic Science - Theory	Quality Control and Standardizations of Herbs - Theory	FORMULATION AND EVALUATION OF HERBAL HAIR GEL	P12031	PRASEENA K	06-07-2023
44	18002472	NAPALATHA	PHARMACEUTICS	Cosmetic Science - Theory	Quality Control and Standardizations of Herbs - Theory	FORMULATION AND EVALUATION OF POLYHERBAL SCRUB GEL	P11196	DIANVA K P	06-07-2023
45	18002474	SALLA P	PHARMACEUTICS	Cosmetic Science - Theory	Quality Control and Standardizations of Herbs - Theory	FORMULATION AND EVALUATION OF HERBAL ORAL GEL	P10683	JANSHYKA E	06-07-2023
46	18002475	NUSOL	PHARMACEUTICS	Cosmetic Science - Theory	Pharmacognosy - Theory	FORMULATION AND EVALUATION OF CREAM FOR ATOPIC DERMATITIS	P23218	ATHIRA A	06-07-2023
47	18002475	NEETHA V K	PHARMACEUTICS	Cosmetic Science - Theory	Quality Control and Standardizations of Herbs - Theory	FORMULATION AND EVALUATION OF HERBAL FAIRNESS FACE PACK	P10632	DEEPTHA D	06-07-2023
48	18002480	PARASMANAND A P	PHARMACEUTICS	Cosmetic Science - Theory	Quality Control and Standardizations of Herbs - Theory	FORMULATION AND EVALUATION OF POLY HERBAL FACE TONER	P10272	HAREESA RAJWAN P	06-07-2023
49	18002401	RAJASNA K P	PHARMACOLOGY	Cosmetic Science - Theory	Quality Control and Standardizations of Herbs - Theory	DEVELOPMENT AND EVALUATION OF A NATURAL MOUTH WASH AGAINST DENTAL CARIES	P11445	JYOTHI M JOY	06-07-2023



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PCMS Management Solutions



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Project Summary Details

Result

Sl. No.	Roll No.	Name	Department	Subject	Project Title	Project Supervisor	Result	
30	18002483	SABAREESH P	PHARMACEUTICS	Cosmetic Science - Theory	Quality Control and Standardizations of Herbs - Theory	FORMULATION AND EVALUATION OF POLYHERBAL DORUB GEL	P11196 DHANYA K P	06-07-2023
31	18002485	SAFANA YASMIN K	PHARMACEUTICS	Cosmetic Science - Theory	Quality Control and Standardizations of Herbs - Theory	FORMULATION AND EVALUATION OF HERBAL HAIR GEL	P12331 PRADENNA K	06-07-2023
32	18002488	SALVAMARIVAN T C	PHARMACEUTICS	Cosmetic Science - Theory	Quality Control and Standardizations of Herbs - Theory	FORMULATION AND EVALUATION OF POLYHERBAL HAIR SERUM	P2326 NEHAL P	06-07-2023
33	18002489	SANA PM	PHARMACEUTICS	Cosmetic Science - Theory	Quality Control and Standardizations of Herbs - Theory	FORMULATION AND EVALUATION OF POLYHERBAL HAIR SERUM	P2336 NEHAL P	06-07-2023
34	18002491	SARANYA N	PHARMACEUTICS	Cosmetic Science - Theory	Quality Control and Standardizations of Herbs - Theory	PREPARATION AND EVALUATION OF MEDICATED LOTION BAR	P10236 AMAL HARE	13-07-2023
35	18002492	SHARADHESH P P	PHARMACEUTICS	Cosmetic Science - Theory	Quality Control and Standardizations of Herbs - Theory	PREPARATION AND EVALUATION OF CREAM CONTAINING DRACACINA REFLEXA FOR USE AS SKIN PROTECTANT	P11452 SUTHI VINMAY K	06-07-2023
36	18002493	SHARMA P RATHNAN M	PHARMACEUTICS	Cosmetic Science - Theory	Quality Control and Standardizations of Herbs - Theory	DESIGN DEVELOPMENT AND EVALUATION OF ANTI CRACK CREAM	P1314 JRDNA P	06-07-2023
37	18002494	SHARMA	PHARMACOGNOSY	Cosmetic Science - Theory	Quality Control and Standardizations of Herbs - Theory	FORMULATION AND EVALUATION OF AFTER SHOWER HAIR EMULSION FOR DANDRUFF AND PSORIASIS USING WRIGHTIA TINCTORIA Root Rev	P13585 SANGEETHA SUDHAKARAN	06-07-2023
38	18002495	SHARMA SHERIN	PHARMACEUTICS	Cosmetic Science - Theory	Quality Control and Standardizations of Herbs - Theory	FORMULATION AND EVALUATION OF POLYHERBAL HAIR OIL	P18882 S S R C	06-07-2023
39	18002497	SHARMA	PHARMACEUTICS	Cosmetic Science - Theory	Quality Control and Standardizations of Herbs - Theory	FORMULATION AND EVALUATION OF HERBAL ORAL GEL	P18883 JAMSHYKA E	06-07-2023
40	18002498	SHARMSYA MUSTHAFA	PHARMACEUTICS	Cosmetic Science - Theory	Quality Control and Standardizations of Herbs - Theory	PREPARATION AND EVALUATION OF MEDICATED LOTION BAR	P10225 AMAL HARE	06-07-2023
41	18002499	SHARMA SHERIN C K	PHARMACEUTICS	Cosmetic Science - Theory	Quality Control and Standardizations of Herbs - Theory	FORMULATION AND EVALUATION OF HERBAL HAIR SERUM	P10840 SUDHATTAN	06-07-2023
42	18002501	SHREYA K	PHARMACEUTICS	Cosmetic Science - Theory	Quality Control and Standardizations of Herbs - Theory	PREPARATION AND EVALUATION OF CREAM CONTAINING DRACACINA REFLEXA FOR USE AS SKIN PROTECTANT	P11452 SUTHI VINMAY K	06-07-2023
43	18002503	SHREEMIN R	PHARMACY PRACTICE	Cosmetic Science - Theory	Pharmacovigilance - Theory	STUDY ON KNOWLEDGE AND PRACTICE OF RATIONAL USE OF DRUGS IN RURAL POPULATION	P18873 ABOL RAHMAN P	06-07-2023
44	18002518	SHRUTHI C	PHARMACY PRACTICE	Cosmetic Science - Theory	Pharmacovigilance - Theory	DISPENSING PATTERN OF OTC DRUGS AMONG COMMUNITY PHARMACIES	P10286 VINOD THOMAS	06-07-2023
45	18002621	SIDHA SARGA	PHARMACY PRACTICE	Cosmetic Science - Theory	Pharmacovigilance - Theory	ANALYSIS ON KNOWLEDGE, ATTITUDE AND PRACTICE OF SELF-MEDICATION AMONG MEDICAL AND PHARMACY STUDENTS	P10574 RAJU T S	06-07-2023

The details furnished above are true and correct to the best of my knowledge and belief.

Dated Signature of Head of the Department

Dated Signature of the Principal



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Signature of the Principal
National College of Pharmacy
Manassery

Sujithamma





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FORMULATION AND EVALUATION OF POLYHERBAL SCRUB GEL



By

SABAREESHILP [180092483]

NAHALATH.N [180092472]

ANWAR SADIQUE.MC [180092421]

Project Report submitted to

Kerala University of Health Sciences

in partial fulfilment of the requirements for the award of the

Degree of Bachelor of pharmacy

Under the guidance of

DHANYA K.P

Associate Professor

Department of Pharmaceutics

National College of Pharmacy

FACULTY OF PHARMACEUTICAL SCIENCES

KERALA UNIVERSITY OF HEALTH SCIENCES

THRISSUR - 680596

AUGUST 2023



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ROLE PLAY METHOD

Role-play is an effective teaching method in pharmacy education. Role-play a scenario where student act a patient, and other as the pharmacist.



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FAMILY PHARMACIST

The Family Pharmacist program at National College of Pharmacy(NCP) aims to create a symbiotic relationship between the academic institution and the local community. With an objective to enhance health awareness, improve medication adherence, health care screening and promote preventive measures. The program seeks to bridge the gap between theoretical knowledge and practical application while fostering a sense of social responsibility among students. This practice stands as a testament to NCP's commitment to experiential learning, social engagement, and fostering future pharmacists who are well-equipped to serve the holistic healthcare needs of the community.



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MENTOR-MENTEE SYSTEM

NATIONAL COLLEGE OF PHARMACY, MANASSERY MENTORSHIP PROGRAMME	
Mentor:	XXXXXXXXXXXX
Designation:	XXXXXXXXXXXX
Department:	XXXXXXXXXXXX
	
Mentee details	
Name:	XXXXXXXXXXXX
Sex:	MALE
DOB:	XXXXXXXXXX
Course:	B.Pharm
Type of admission:	Direct Graduate
12 th syllabus:	CBSE
12 th mark percentage:	84%
Mobile no.:	XXXXXXXXXX
Hobbies:	Reading
Parents details	
Father Name:	XXXXXXXXXX
Occupation:	XXXXXXXXXX
Mobile No.:	XXXXXXXXXX
Mother Name:	XXXXXXXXXX
Occupation:	XXXXXXXXXX
Mobile No.:	XXXXXXXXXX
Address for correspondence:	
XXXXXXXXXX XXXXXXXXXX XXXXXXXXXX	
Name and address of local guardian (if any):	

Marks secured - Semester System

1st Year B.Pharm

Subject	Semester course				Mini-project		Attendance
	Y	X	Y	X	Y	X	
Pharmacology I	10	10	10	10	10	10	75
Pharmacology II	10	10	10	10	10	10	75
Pharmacology III	10	10	10	10	10	10	75
Pharmacology IV	10	10	10	10	10	10	75
Pharmacology V	10	10	10	10	10	10	75
Pharmacology VI	10	10	10	10	10	10	75

2nd Year B.Pharm

Subject	Semester course				Mini-project		Attendance
	Y	X	Y	X	Y	X	
Pharmacology VII	10	10	10	10	10	10	75
Pharmacology VIII	10	10	10	10	10	10	75
Pharmacology IX	10	10	10	10	10	10	75
Pharmacology X	10	10	10	10	10	10	75
Pharmacology XI	10	10	10	10	10	10	75
Pharmacology XII	10	10	10	10	10	10	75

3rd Year B.Pharm

Subject	Semester course				Mini-project		Attendance
	Y	X	Y	X	Y	X	
Pharmacology XIII	10	10	10	10	10	10	75
Pharmacology XIV	10	10	10	10	10	10	75
Pharmacology XV	10	10	10	10	10	10	75
Pharmacology XVI	10	10	10	10	10	10	75




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1st year Examinee

Subject	Theoretical Exam				Max. marks		Passing %
	V	W	X	Y	100	40	
Microbiological aspects	10	10	10	10	40	16	40%
Pharmacology I	10	10	10	10	40	16	40%
Pharmacology II	10	10	10	10	40	16	40%
Pharmacology and pharmaceutical I	10	10	10	10	40	16	40%

2nd year Examinee

Subject	Theoretical Exam				Max. marks		Passing %
	V	W	X	Y	100	40	
Microbiological aspects II	10	10	10	10	40	16	40%
Pharmacology III	10	10	10	10	40	16	40%
Pharmacology and pharmaceutical II	10	10	10	10	40	16	40%

3rd year Examinee

Subject	Theoretical Exam				Max. marks		Passing %
	V	W	X	Y	100	40	
Microbiological aspects III	10	10	10	10	40	16	40%
Pharmacology IV	10	10	10	10	40	16	40%
Pharmacology and pharmaceutical III	10	10	10	10	40	16	40%

4th year Examinee

Subject	Theoretical Exam				Max. marks		Passing %
	V	W	X	Y	100	40	
Microbiological aspects of	10	10	10	10	40	16	40%
Pharmacology V	10	10	10	10	40	16	40%
Pharmacology and pharmaceutical IV	10	10	10	10	40	16	40%

5th year Examinee

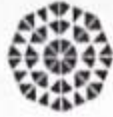
Subject	Theoretical Exam				Max. marks		Passing %
	V	W	X	Y	100	40	
Microbiological aspects	10	10	10	10	40	16	40%
Pharmacology VI	10	10	10	10	40	16	40%
Pharmacology and pharmaceutical V	10	10	10	10	40	16	40%

6th year Examinee

Subject	Total marks	
	V	W
Microbiological aspects	10	10
Pharmacology VII	10	10
Pharmacology and pharmaceutical VI	10	10
Pharmaceutical aspects	10	10
Pharmacy I	10	10
Pharmacy II	10	10
Pharmacy III	10	10
Pharmacy IV	10	10
Pharmacy V	10	10
Pharmacy VI	10	10
Pharmacy VII	10	10
Pharmacy VIII	10	10
Pharmacy IX	10	10
Pharmacy X	10	10

[Signature]
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LESSON PLAN SAMPLE



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SECOND SEMESTER BPHARM

LESSON PLAN – BIOCHEMISTRY

FIRST SESSIONAL TOPICS:

UNIT I : Enzymes

Enzymes Introduction, properties, nomenclature and IUB classification of enzymes, Enzyme kinetics (Michaelis plot, Line Weaver Burke plot), Enzyme inhibitors with examples. Regulation of enzymes: enzyme induction and repression, allosteric enzymes, regulation, therapeutic and diagnostic applications of enzymes and isoenzymes. Coenzymes – Structure and biochemical functions.

UNIT II :

Biomolecules

Biomolecules Introduction, classification, chemical nature and biological role of carbohydrate, lipids, nucleic acids, amino acids and proteins. • Bioenergetics Concept of free energy, endergonic and exergonic reaction, Relationship between free energy, enthalpy and entropy; Redox potential. Energy rich compounds; classification; biological significances of ATP and cyclic AMP.

Bioenergetics

Concept of free energy, endergonic and exergonic reaction, Relationship between free energy, enthalpy and entropy; Redox potential. Energy rich compounds; classification; biological significances of ATP and cyclic AMP.

UNIT III

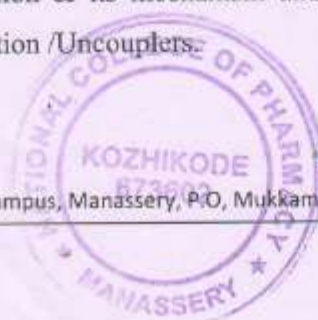
Carbohydrate metabolism

Glycolysis-Pathway, energetics and significance, Citric acid cycle-Pathway, energetics and significance. HMP shunt and its significance; Glucose-6-Phosphate dehydrogenase (G6PD) deficiency Glycogen metabolism Pathways and glycogen storage diseases (GSD) Gluconeogenesis- Pathway and its significance. Hormonal regulation of blood glucose level and Diabetes mellitus

SECOND SESSIONAL TOPICS:

UNIT III

Biological oxidation: Biological oxidation Electron transport chain (ETC) and its mechanism. Oxidative phosphorylation & its mechanism and substrate level phosphorylation. Inhibitors, ETC and oxidative phosphorylation /Uncouplers.



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UNIT IV

Lipid metabolism

β -Oxidation of saturated fatty acid (Palmitic acid) Formation and utilization of ketone bodies; ketoacidosis De novo synthesis of fatty acids (Palmitic acid) Biological significance of cholesterol and conversion of cholesterol into bile acids, steroid hormones and vitamin D Disorders of lipid metabolism: Hypercholesterolemia, atherosclerosis, fatty liver and obesity.

Amino acid metabolism

General reactions of amino acid metabolism: Transamination, deamination & decarboxylation, urea cycle and its disorders Catabolism of phenylalanine and tyrosine and their metabolic disorders (Phenylketonuria, Albinism, alkaptonuria, tyrosinemia) Synthesis and significance of biological substances; 5-HT, melatonin, dopamine, noradrenaline, adrenaline Catabolism of heme; hyperbilirubinemia and jaundice

UNIT V

Nucleic acid metabolism and genetic information transfer

Biosynthesis of purine and pyrimidine nucleotides Catabolism of purine nucleotides and Hyperuricemia and Gout disease Organization of mammalian genome Structure of DNA and RNA and their functions DNA replication (semi conservative model) Transcription or RNA synthesis Genetic code, Translation or Protein synthesis and inhibitors of protein synthesis.



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