



NATIONAL COLLEGE OF PHARMACY

Approved by Pharmacy Council of India, AICTE, DME & Govt of Kerala
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TO WHOMSOEVER IT MAY CONCERN

This is to certify that the information given in the attached documents are verified by me and is true to the best of my knowledge.

Dr. Sujith Varma.K **PRINCIPAL**
Principal National College of Pharmacy
National College of Pharmacy
Manassery, Mukkam, Kozhikode





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Criterion 1	CURRICULAR ASPECTS
Key Indicator: 1.1	Curricular Planning and Implementation
Metric No : 1.1.1	The institution ensures effective curricular planning and delivery through a well-planned and documented process including Academic calendar and conduct of continuous internal Assessment

Sr. No.	Particulars
1	CURRICULUM COMMITTEE MEETING MINUTES
2	ACADEMIC CALENDAR
3	LESSON PLAN SAMPLES
4	TIME TABLE SAMPLE



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CURRICULUM COMMITTEE MEETING MINUTES



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2022-2023



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Curriculum Committee Meeting Minutes

Date: 02/05/2022

Time: 10.15 AM

Venue: Conference room

Attendees:

Sl No	Name	Designation	Signature
1	Dr Sujith Varma (Chairman)	Principal	
2	Dr Akash Marathakam	Professor	
3	Dr Kathirvel S	Professor	
4	Mr.Sijo Pattam	Professor	
5	Mr Rajeev P Thomas	Professor	
6	Ms Jyothi M Joy	Professor	
7	Dr S Venkatesh	Professor	

Agenda:

1. Timetable Design
2. Lesson Plan Review
3. Academic Calendar Design
4. Selection of Add-On Course Topic for the Year

Meeting Proceedings

1. Timetable Design:



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- The meeting began by addressing the planning of the schedule for the forthcoming academic year. The Chairperson introduced a draft timetable and invited the committee members to provide their input.
- Members shared their thoughts and recommendations regarding class timetables, with a focus on ensuring an equitable distribution of courses across the week. They also took into account any unique needs for practical sessions or laboratory classes.
- Following a comprehensive discussion, it was agreed to make the required modifications to the initial timetable proposal and have it formally approved by 10/05/2022.

2. Lesson Plan Review:

- The committee reviewed the lesson plans for core courses in the curriculum. Faculty members were asked to equally divide the contents of the syllabus in accordance with each internal examination.
- It was decided that each faculty member would revise and update their lesson plans as per the feedback received. The revised lesson plans should be submitted by 07/05/2022.

3. Academic Calendar Design:

- The academic calendar for the upcoming year was discussed. Important dates such as the start and end of each semester, holidays, examination schedules and dates of value-added courses were reviewed.

Major health days to be observed in the college were also discussed. The final academic calendar will be published on the institution website.

4. Selection of Add-On Course Topic for the Year:

- The committee discussed potential topics for the add-on course for the upcoming academic year.
- After suggestions and discussions, it was decided that the add-on course topic for the year would be:

1. Model Informed Precision Overdosing: An Overview
2. IPR Awareness
3. Patient centered care in Community Pharmacy
4. The Changing World Of Health Care
5. Add On Course On Antibiotics and Antimicrobial Resistance



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The chairperson instructed the concerned staff to allocate dates for each add-on course and include it in the academic calendar.

Action Taken:

- Chairperson to finalize the timetable by 10/05/2022
- Faculty members to revise and submit updated lesson plans by 07/05/2022
- Chairperson to publish the final academic calendar on the college website.
- Chairperson to coordinate with the relevant faculty member to develop the add-on course materials.

Next Meeting:

- The next Curriculum Committee meeting will be scheduled after six months to review progress on the action items and address any additional agenda items.
- The meeting was adjourned at 10:55 AM.



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Curriculum Committee Meeting Minutes

Date: 03/11/2022

Time: 11:30AM

Venue: Conference room

Attendees:

Sl No	Name	Designation	Signature
1	Dr Sujith Varma (Chairman)	Principal	
2	Dr Akash Marathakam	Professor	
3	Dr Kathirvel S	Professor	
4	Mr.Sijo Pattam	Professor	
5	Mr Rajeev P Thomas	Professor	
6	Ms Jyothi M Joy	Professor	
7	Dr S Venkatesh	Professor	

Agenda:

- Follow -up on Add-On Course
- Follow- up on adherence of academic calendar and lesson plan

Meeting Proceedings:

1. During the meeting, the committee examined the content covered in the add-on courses and assessed whether they were completed within the designated time frame. The Chairperson instructed the development of course outlines and materials for any outstanding courses to ensure they are conducted according to the set schedule.
2. The committee also reviewed the adherence to the academic calendar, timetable, and lesson plans.



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Actions Taken:

- The Chairperson and committee members decided to communicate the importance of adhering to the academic calendar and lesson plans to all faculty members.
- The Chairperson worked closely with the relevant faculty member to ensure that the add-on course is conducted within the specified timeframe.

Next Meeting:

- The next Curriculum Committee meeting will be scheduled after six months to discuss the time table, academic calendar and add-on courses for the next academic year.
- The meeting was adjourned at 12.00 PM.



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2021-2022



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Curriculum Committee Meeting Minutes

Date: 05/05/2021

Time: 10.00 AM

Venue: Conference room

Attendees:

Sl No	Name	Designation	Signature
1	Dr. M K Unnikrishnan	Principal	
2	Dr Sujith Varma (Chairman)	Vice Principal	
3	Dr Akash Marathakam	Professor	
4	Dr Kathirvel S	Professor	
5	Mr.Sijo Pattam	Professor	
6	Mr Rajeev P Thomas	Professor	
7	Mr Vimal Mathew	Asso Professor	
8	Ms Sangeetha Sukumaran	Asso Professor	
9	Ms.Jereena E	Asst Professor	

Agenda:

1. Timetable Design
2. Lesson Plan Review
3. Academic Calendar Design
4. Selection of Add-On Course Topic for the Year

Meeting Proceedings

1. Timetable Design:



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- The meeting began by addressing the planning of the schedule for the forthcoming academic year. The Chairperson introduced a draft timetable and invited the committee members to provide their input.
- Members shared their thoughts and recommendations regarding class timetables, with a focus on ensuring an equitable distribution of courses across the week. They also took into account any unique needs for practical sessions or laboratory classes.
- Following a comprehensive discussion, it was agreed to make the required modifications to the initial timetable proposal and have it formally approved by 12/05/2021.

2. Lesson Plan Review:

- The committee reviewed the lesson plans for core courses in the curriculum. Faculty members were asked to equally divide the contents of the syllabus in accordance with each internal examination.
- It was decided that each faculty member would revise and update their lesson plans as per the feedback received. The revised lesson plans should be submitted by 10/05/2021.

3. Academic Calendar Design:

- The academic calendar for the upcoming year was discussed. Important dates such as the start and of each semester, holidays, examination schedules and dates of value-added courses were reviewed.

Major health days to be observed in the college were also discussed. The final academic calendar will be published on the institution website.

4. Selection of Add-On Course Topic for the Year:

- The committee discussed potential topics for the add-on course for the upcoming academic year.
- After suggestions and discussions, it was decided that the add-on course topic for the year would be:

1. Biopharmaceutical Production And Challenges
2. Herbal Drug Delivery Systems: Innovations And Challenges
3. Basics In Research
4. Drug Regulatory Affairs
5. Introduction To OTC Drug Regulation And Safety



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The chairperson instructed the concerned staff to allocate dates for each add-on course and include it in the academic calendar.

Action Taken:

- Chairperson to finalize the timetable by 12/05/2020
- Faculty members to revise and submit updated lesson plans by 10/05/2020
- Chairperson to publish the final academic calendar on the college website.
- Chairperson to coordinate with the relevant faculty member to develop the add-on course materials.

Next Meeting:

- The next Curriculum Committee meeting will be scheduled after six months to review progress on the action items and address any additional agenda items.
- The meeting was adjourned at 10:40 AM.



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Curriculum Committee Meeting Minutes

Date: 08/11/2021

Time: 11:00AM

Venue: Conference room

Attendees:

Sl No	Name	Designation	Signature
1	Dr Sujith Varma (Chairman)	Principal	
2	Dr Akash Marathakam	Professor	
3	Dr Kathirvel S	Professor	
4	Mr.Sijo Pattam	Professor	
5	Mr Rajeev P Thomas	Professor	
6	Mr Vimal Mathew	Asso Professor	
7	Ms Sangeetha Sukumaran	Asso Professor	
8	Ms Jereena E	Asst Professor	

Agenda:

- Follow-up on Add-On Course
- Follow-up on adherence of academic calendar and lesson plan

Meeting Proceedings:

1. During the meeting, the committee examined the content covered in the add-on courses and assessed whether they were completed within the designated time frame. The Chairperson instructed the development of course outlines and materials for any outstanding courses to ensure they are conducted according to the set schedule.



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2. The committee also reviewed the adherence to the academic calendar, timetable, and lesson plans.


Actions Taken:

- The Chairperson and committee members decided to communicate the importance of adhering to the academic calendar and lesson plans to all faculty members.
- The Chairperson worked closely with the relevant faculty member to ensure that the add-on course is conducted within the specified timeframe.

Next Meeting:

- The next Curriculum Committee meeting will be scheduled after six months to discuss the time table, academic calendar and add-on courses for the next academic year.
- The meeting was adjourned at 11.25AM.




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2020-2021



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Curriculum Committee Meeting Minutes

Date: 06/05/2020

Time: 11.00 AM

Venue: Online mode (via Google meet)

Attendees:

Sl No	Name	Designation	Signature
1	Dr. M K Unnikrishnan	Principal	
2	Dr Sujith Varma (Chairman)	Vice Principal	
3	Dr R Saraswathi	Professor	
4	Dr Krishnan P	Professor	
5	Dr Akash Marathakam	Asso Professor	
6	Dr Kathirvel S	Professor	
7	Mr.Sijo Pattam	Asso Professor	
8	Mr Rajeev P Thomas	Asso Professor	
9	Mr Vimal Mathew	Asso Professor	
10	Ms Sangeetha Sukumaran	Asst Professor	
11	Ms.Jereena E	Asst Professor	

Agenda:

1. Timetable Design
2. Lesson Plan Review
3. Academic Calendar Design
4. Selection of Add-On Course Topic for the Year



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Meeting Proceedings

1. Timetable Design:

- The meeting began by addressing the planning of the schedule for the forthcoming academic year. The Chairperson introduced a draft timetable and invited the committee members to provide their input.
- Members shared their thoughts and recommendations regarding class timetables, with a focus on ensuring an equitable distribution of courses across the week. They also took into account any unique needs for practical sessions or laboratory classes.
- Following a comprehensive discussion, it was agreed to make the required modifications to the initial timetable proposal and have it formally approved by 12/05/2019.

2. Lesson Plan Review:

- The committee reviewed the lesson plans for core courses in the curriculum. Faculty members were asked to equally divide the contents of the syllabus in accordance with each internal examination.
- It was decided that each faculty member would revise and update their lesson plans as per the feedback received. The revised lesson plans should be submitted by 13/05/2020.

3. Academic Calendar Design:

- The academic calendar for the upcoming year was discussed. Important dates such as the start and end of each semester, holidays, examination schedules and dates of value-added courses were reviewed.
- The academic calendar was approved with minor adjustments to accommodate any faculty or student concerns. The final academic calendar will be published on the institution website.

4. Selection of Add-On Course Topic for the Year:

- The committee discussed potential topics for the add-on course for the upcoming year. Several suggestions were put forward by the members.
- After deliberation, it was decided that the add-on course topic for the year would be:
 1. Advancements In Transdermal Drug Delivery Systems
 2. Generic Drugs And Bioequivalence



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3. Sterile Manufacturing In Pharmaceuticals
4. Global Regulations On Herbal Medicines
5. Emerging Trends In Nano Medicine Research

The chairperson instructed the concerned staff to allocate dates for each add-on course and include it in the academic calendar.

Action Items:

- Chairperson to finalize the timetable by 12/05/2020
- Faculty members to revise and submit updated lesson plans by 13/05/2020
- Chairperson to publish the final academic calendar on the college website.
- Chairperson to coordinate with the relevant faculty member to develop the add-on course materials.

Next Meeting:

- The next Curriculum Committee meeting will be scheduled after six months to review progress on the action items and address any additional agenda items.
- The meeting was adjourned at 1.35 AM.



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Curriculum Committee Meeting Minutes

Date: 03/11/2020

Time: 10:00AM

Venue: Online mode (via Google meet)

Attendees:

Sl No	Name	Designation	Signature
1	Dr. M K Unnikrishnan	Principal	
2	Dr Sujith Varma (Chairman)	Vice Principal	
3	Dr R Saraswathi	Professor	
4	Dr Krishnan P	Professor	
5	Dr Akash Marathakam	Asso Professor	
6	Dr Kathirvel S	Professor	
7	Mr.Sijo Pattam	Professor	
8	Mr Rajeev P Thomas	Asso Professor	
9	Mr Vimal Mathew	Asso Professor	
10	Ms Sangeetha Sukumaran	Asst Professor	
11	Ms.Jereena E	Asst Professor	

Agenda:

- Follow -up on Add-On Course
- Follow- up on adherence of academic calendar and lesson plan

Meeting Proceedings:



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During the meeting, the committee examined the content covered in the add-on courses and assessed whether they were completed within the designated time frame. The Chairperson instructed the development of course outlines and materials for any outstanding courses to ensure they are conducted according to the set schedule.

The committee also reviewed the adherence to the academic calendar, timetable, and lesson plans.

Actions Taken:

- The Chairperson and committee members decided to communicate the importance of adhering to the academic calendar and lesson plans to all faculty members.
- The Chairperson worked closely with the relevant faculty member to ensure that the add-on course is conducted within the specified timeframe.

Next Meeting:

- The next Curriculum Committee meeting will be scheduled after six months to discuss the time table, academic calendar and add-on courses for the next academic year.
- The meeting was adjourned at 10.15AM.



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2019-2020



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Curriculum Committee Meeting Minutes

Date: 06/05/2019
Time: 11.30 AM
Venue: Seminar hall

Attendees:

Sl No	Name	Designation	Signature
1	Dr. M K Unnikrishnan	Principal	[Signature]
2	Dr Sujith Varma (Chairman)	Vice Principal	[Signature]
3	Dr R Saraswathi	Professor	[Signature]
4	Dr Krishnan P	Professor	[Signature]
5	Dr Akash Marathakam	Professor	[Signature]
6	Dr Kathirvel S	Professor	[Signature]
7	Mr.Sijo Pattam	Professor	[Signature]
8	Mr Rajeev P Thomas	Asso Professor	[Signature]
9	Mr Vimal Mathew	Asso Professor	[Signature]
10	Ms Sangeetha Sukumaran	Asst. Professor	[Signature]
11	Ms.Jereena E	Asst. Professor	[Signature]

Agenda:

1. Timetable Design
2. Lesson Plan Review
3. Academic Calendar Design
4. Selection of Add-On Course Topic for the Year

Meeting Proceedings

1. Timetable Design:

- The meeting began by addressing the planning of the schedule for the forthcoming academic year. The Chairperson introduced a draft timetable and invited the committee members to provide their input.
- Members shared their thoughts and recommendations regarding class timetables, with a focus on ensuring an equitable distribution of courses across the week. They also took into account any unique needs for practical sessions or laboratory classes.



[Signature]
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- Following a comprehensive discussion, it was agreed to make the required modifications to the initial timetable proposal and have it formally approved by 13/05/2019.

2. Lesson Plan Review:

- The committee reviewed the lesson plans for core courses in the curriculum. Faculty members provided feedback on the alignment of lesson plans with the course objectives and learning outcomes.
- It was decided that each faculty member would revise and update their lesson plans as per the feedback received. The revised lesson plans should be submitted by 10/05/2019.

3. Academic Calendar Design:

- The academic calendar for the upcoming year was discussed. Important dates such as the start and end of each semester, holidays, examination schedules and dates of value-added courses were reviewed.
- The academic calendar was approved with minor adjustments to accommodate any faculty or student concerns. The final academic calendar will be published on the institution website.

4. Selection of Add-On Course Topic for the Year:

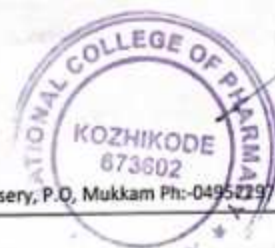
- The committee discussed potential topics for the add-on course for the upcoming year. Several suggestions were put forward by the members.
- After deliberation, it was decided that the add-on course topic for the year would be:
 1. Pharmacotherapy- Advancements and Innovations
 2. Pharmaceutical Analysis Excellence Programme
 3. Overview Of Pharmaceutical Validation
 4. Drug Design Aspects In Academic Sector
 5. Role Of Biotechnology In Pharmacy

Action Items:

- Chairperson to finalize the timetable by 13/05/2019
- Faculty members to revise and submit updated lesson plans by 10/05/2019
- Chairperson to publish the final academic calendar on the institution website.
- Chairperson to coordinate with the relevant faculty member to develop the add-on course materials.

Next Meeting:

- The next Curriculum Committee meeting will be scheduled after six months to review progress on the action items and address any additional agenda items.
- The meeting was adjourned at 12.45PM.



Sujitha
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Curriculum Committee Meeting Minutes

Date: 04/11/2019

Time: 10:00AM

Venue: Principal's room

Attendees:

Sl No	Name	Designation	Signature
1	Dr. M K Unnikrishnan	Principal	[Signature]
2	Dr Sujith Varma (Chairman)	Vice Principal	[Signature]
3	Dr R Saraswathi	Professor	[Signature]
4	Dr Krishnan P	Professor	[Signature]
5	Dr Akash Marathakam	Professor	[Signature]
6	Dr Kathirvel S	Professor	[Signature]
7	Mr.Sijo Pattam	Professor	[Signature]
8	Mr Rajeev P Thomas	Asso. Professor	[Signature]
9	Mr Vimal Mathew	Asso. Professor	[Signature]
10	Ms Sangeetha Sukumaran	Asst. Professor	[Signature]
11	Ms.Jereena E	Asst. Professor	[Signature]

Agenda:

- Follow-up on Add-On Course
- Follow-up on adherence of academic calendar and lesson plan

Meeting Proceedings:

1. During the meeting, the committee examined the content covered in the add-on courses and assessed whether they were completed within the designated time frame. The Chairperson instructed the development of course outlines and materials for any outstanding courses to ensure they are conducted according to the set schedule.
2. The committee also reviewed the adherence to the academic calendar, timetable, and lesson plans.

Actions Taken:

- The Chairperson and committee members decided to communicate the importance of adhering to the academic calendar and lesson plans to all faculty members.
- The Chairperson worked closely with the relevant faculty member to ensure that the add-on course is conducted within the specified timeframe.

Next Meeting:



[Signature]
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- The next Curriculum Committee meeting will be scheduled after six months to discuss the time table, academic calendar and add-on courses for the next academic year.
- The meeting was adjourned at 10.20 AM.



Sujitha

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2018-2019



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Curriculum Committee Meeting Minutes

Date: 08/05/2018
Time: 10AM
Venue: Seminar hall

Attendees:

Sl No	Name	Designation	Signature
1	Dr. M K Unnikrishnan	Principal	
2	Dr Sujith Varma (Chairman)	Vice Principal	
3	Dr R Saraswathi	Professor	
4	Dr Krishnan P	Professor	
5	Dr Akash Marathakam	Professor	
6	Dr Kathirvel S	Professor	
7	Mr.Sijo Pattam	Professor	
8	Mr Rajeev P Thomas	Asso Professor	
9	Mr Vimal Mathew	Asso Professor	
10	Ms Sangeetha Sukumaran	Asst Professor	
11	Ms.Jereena E	Assistant Professor	

Agenda:

1. Timetable Design
2. Lesson Plan Review
3. Academic Calendar Design
4. Selection of Add-On Course Topic for the Year

Meeting Proceedings

1. Timetable Design:

- The meeting commenced with a discussion on the timetable design for the upcoming academic year. The Chairperson presented a proposed timetable and sought feedback from the committee members.
- Faculty members shared their input and suggestions regarding class schedules, ensuring that courses were evenly distributed throughout the week and taking into consideration any specific requirements for practical classes or labs.



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- After a thorough discussion, it was decided to make necessary adjustments to the proposed timetable and finalize it by 15/05/2018.

2. Lesson Plan Review:

- The committee reviewed the lesson plans for core courses in the curriculum. Faculty members provided feedback on the alignment of lesson plans with the course objectives and learning outcomes.
- It was decided that each faculty member would revise and update their lesson plans as per the feedback received. The revised lesson plans should be submitted by 16/05/2018.

3. Academic Calendar Design:

- The academic calendar for the upcoming year was discussed. Important dates such as the start and of each semester, holidays, examination schedules and dates of value-added courses were reviewed.
- The academic calendar was approved with minor adjustments to accommodate any faculty or student concerns. The final academic calendar will be published on the college website.

4. Selection of Add-On Course Topic for the Year:

- The committee discussed potential topics for the add-on course for the upcoming year. Several suggestions were put forward by the members.
- After deliberation, it was decided that the add-on course topic for the year would be:
 1. Overview of pharmaceutical learning.
 2. Introduction to pharmaceutical industry.
 3. Role of pharmacognosy in drug formulation and development.
 4. Emerging concepts in pharma industry.
 5. The Role of metal ions in drug design.

The Chairperson will coordinate with the relevant faculty member to develop the course outline and materials.

Actions taken:

- Chairperson to finalize the timetable by 15/05/2018
- Faculty members to revise and submit updated lesson plans by 16/05/2018
- Chairperson to publish the final academic calendar on the college website.
- Chairperson to coordinate with the relevant faculty member to develop the add-on course materials and dates of conduct of the course.

Next Meeting:

- The next Curriculum Committee meeting will be scheduled after six months to review progress on the action items and address any additional agenda items.
- The meeting was adjourned at 10.45AM.



Sujitha
Principal



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Next Meeting:

- The next Curriculum Committee meeting will be scheduled after six months to discuss the time table, academic calendar and add-on courses for the next academic year.
- The meeting was adjourned at 12.00 PM.



S. S. Srinivasan
PRINCIPAL
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Curriculum Committee Meeting Minutes

Date: 02/11/2018
Time: 9:30AM
Venue: Seminar hall

Attendees:

Sl No	Name	Designation	Signature
1	Dr. M K Unnikrishnan	Principal	
2	Dr Sujith Varma (Chairman)	Vice Principal	
3	Dr R Saraswathi	Professor	
4	Dr Krishnan P	Professor	
5	Dr Akash Marathakam	Professor	
6	Dr Kathirvel S	Professor	
7	Mr.Sijo Pattam	Professor	
8	Mr Rajeev P Thomas	Asso Professor	
9	Mr Vimal Mathew	Asso Professor	
10	Ms Sangeetha Sukumaran	Asst. Professor	
11	Ms.Jereena E	Asst. Professor	

Agenda:

- Follow -up on Add-On Course
- Follow- up on adherence of academic calendar and lesson plan

Meeting Proceedings:

1. The committee discussed the syllabus of topics of the add-on courses conducted and reviewed whether it was conducted in the stipulated time. The Chairperson gave instructions to develop the course outline and materials for the remaining courses and conduct it in the specified time.
2. Adherence of academic calendar, timetable and lesson plan were checked and evaluated.

Actions Taken:

- Chairperson and members decided to convey all faculties to adhere to academic calendar and lesson plan.



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- Chairperson coordinated with the relevant faculty member to conduct the add-on course in the specified time.

Next Meeting:

- The next Curriculum Committee meeting will be scheduled after six months to discuss the time table, academic calendar and add-on courses for the next academic year.
- The meeting was adjourned at 10.15AM.



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ACADEMIC CALENDAR



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2022-2023 ACADEMIC CALENDAR

Jun						
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- 05 Environmental Day
- 08 Add on Course 01
- 14 World Blood Donor
- 16 2nd Diploma 3rd Sessnl
- 21 International Yoga
- 22 3rd PharmD 3rd Sessnl
- 28 1st PharmD 2nd Sessnl

- 01 01 World AIDS Day
- 02 Add on Course 03
- 04 04 2nd PharmD
- 07 07 4thPhrmD 1st
- 12 Add on Course 04
- 19 19 5thPhrmD 1st
- 25 25 Christmas
- 27 27 4thsem Bpharm. 1st
- 27 27 5th Sem BP 2nd

Dec						
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- 05 5th PharmD 2nd PhmD
- 09 Bakrid / Eid ul-Adha
- 12 Add on Course 02
- 14 1st sem 2nd Sessnl
- 20 4th PhmD 1st PhmD
- 28 Karkidaka Vavu

- 02 Mannam Jayanti
- 03 4th Sem Bph 1st Sess.
- 04 2nd Sem BP 2nd Sess
- 16 7th Sem BP 2nd
- 23 5th Sem BP Tentative
- 26 Republic Day
- 24 National Girl child

Jan						
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- 15 15 Independence da
- 16 16 3rdPhrmD 3rd

- 03 4th Sem BP
- 04 World Cancer Day
- 13 3rdPharmD 1st
- 13 7th Sem BP University
- 18 Maha Shivaratri
- 20 4th Sem BP 2nd Sess.

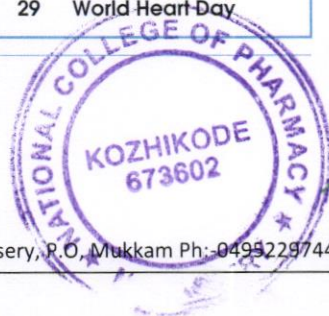
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- 07 07 First Onam
- 08 World FirstAid Day
- 08 08 Thiruvonam
- 11 11 5th Sem BP Uni.Tent
- 25 25 Pharmacist Day
- 29 World Heart-Day

- 06 5thPhrmD 2nd
- 08 World Kidney Day
- 13 1st Sem BP 1st
- 20 4thPharmD 2nd
- 24 World TB Day
- 27 4th Sem BP University
- 27 6th Sem BP 1st

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- 02 02 Gandhi Jayanti
- 04 04 Maha Navami
- 05 05 Vijaya Dashami
- 08 08 Milad-u-nabi
- 11 11 2nd Sem Mpharm
- 18 18 5th Sem BP 1st
- 24 24 Diwali

Apr						
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- 03 Add on Course 05
- 07 Good friday
- 09 Easter
- 22 World Earth Day
- 15 Vishu
- 21 Eid ul Fitr
- 24 6th Sem BP 1st Sess.

Nov						
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- 06 1st PharmD
- 14 Children's Day
- 15 World COPD Day
- 23 7th Sem BP 1st
- 28 2nd Sem BP 1st

May						
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- 01 Labour Day
- 05 World Asthma Day
- 08 1stsem BP 2nd Sessional
- 15 3rdPhrmD 2nd Sessional
- 15 6th Sem BP 2nd Sessionc
- 22 6th Sem BP 2ndSes.Prac
- 25 4thPhrmD 3rd Sessional
- 25 5thPhrmD 3rd sessional
- 31 Anti-Tobacco Day

Add on Courses:

- 01-Model informed Precision Overdosing: An Overview
- 02-IPR Awareness
- 03-Patient centered care in Community Pharmacy
- 04-The changing world of healthcare
- 05-Antibiotics and Antimicrobial Resistance.



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2021-2022 ACADEMIC CALENDAR

Jun						
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- 01 2nd Sem 2nd Sessnl
- 30 4th Sem Bpharm
- 25 Add on Course 01

25 Christmas

Dec						
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Jul						
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- 08 2nd Sem Bpharm
- 09 6th Sem Bpharm
- 20 Bakri Id / Eid ul-Adha
- 27 1st Sem 2nd Sessnl
- 12 2nd PhmD 2nd Sessnl

- 02 Mannam Jayanthi
- 03 2nd Diploma 2nd
- 05 2nd Diploma 2nd sess
- 05 5th PharmD 2nd sessnl
- 26 Republic Day

Jan						
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Aug						
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- 04 Add on Course 02
- 15 Independence Day
- 21 Onam
- 22 Thiruvonam
- 30 Janmashtami
- 19 Muharam
- 23 Onam
- 28 Ayyankali Jayanthi
- 30 SreeKrishna jayanthi

- 03 3rd PharmD 2nd Sessnl
- 07 4th PharmD 2nd Sessnl
- 18 1st PharmD 1st Sessnl
- 22 1st Sem 1st Sessnl
- 24 2nd Mpharm 1st Sessnl

Feb						
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- 01 Maha Shivaratri
- 04 Add on Course 03

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- 02 **Gandhi Jayanti**
- 14 **Mahanavami**
- 15 **Vijayadasami**
- 18 1st Sem. 1st Sessnl
- 19 **Milad-u-Nabi**

- 01 **Add on Course 04**
- 04 2nd Sem Mpm 2nd Ses
- 08 2nd PharmD 1st sessnl
- 14 **Maundry Thursday**
- 15 **Vishu, Good Friday**
- 17 **Easter**
- 19 1st Diploma 3rd Sessnl
- 21 5th PharmD 3rd Sessnl

Apr						
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Nov						
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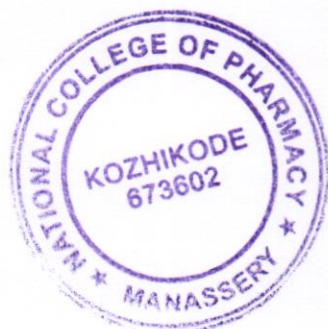
- 04 **Diwali / Deepavali**
- 03 3rd PharmD 1st Sessnl
- 03 4th PharmD 1st Sessnl
- 05 5th PharmD 1st Sessnl
- 15 2nd Diploma

- 01 **May Day**
- 02 **Eid-ul-Fitar**
- 20 4th PharmD 3rd Sessnl
- 23 2nd PharmD 2nd Sessnl
- 30 **Add on Course 05**

May						
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Add on Courses:

- 01-Biopharmaceutical Production and challenges
- 02-Herbal drug delivery systems: innovations and challenges
- 03-Basics in Research
- 04- Drug regulatory affairs
- 05-Introduction to OTC Drug Regulation and Safety.



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2020-2021 ACADEMIC CALENDAR

Jun						
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- 05 Environmental Day
- 14 World Blood Donor
- 21 International Yoga

Dec						
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- 01 World AIDS Day
- 04 Add on Course 03
- 18 3rd Sem Mpm 1st Sess
- 25 CHRISTMAS

Jul						
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- 20 Karkidaka Vavu
- 24 Add on Course 01

Jan						
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- 02 MANNAM JAYANTHI
- 03 2nd Diploma 2nd Sessn
- 11 1st Diploma 2nd Sessn
- 16 Mprm 3rd Sem 1st Sess
- 24 National Girl child
- 25 3rd PhmD 2nd Sessnl
- 25 4th PhmD 2nd Sessnl
- 26 REPUBLIC DAY

Aug						
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- 15 INDEPENDENCE DAY
- 28 AYYANKALI JAYANTHI
- 29 MUHARAM
- 30 1ST ONAM
- 31 THIRUVONAM

Feb						
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- 02 Mpm 1st sem 2nd Sess
- 04 3rd Sem 2nd Sessnl
- 04 World Cancer Day
- 12 Mprm 3rd sem 2nd Sess
- 18 1st Pharm D
- 19 3rd Pharm D

Sep						
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- 08 World FirstAid Day
- 25 Add on Course 02
- 25 Pharmacist Day
- 29 World Heart Day

Mar						
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- 01 1st Diploma 3rd Sessnl
- 08 World Kidney Day
- 09 Add on Course 04
- 11 MAHA SHIVARATRI
- 22 2nd PhmD 1st Sessnl
- 22 2nd Sem 1st Sessnl
- 24 3rd Sem Mpharm



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- 02 GANDHI JAYANTI
- 24 MAHANAVAMI
- 25 VIJAYA DASAMI
- 29 MILAD-U-NABI
- 26 4th PharmD 1st Sessnl

- 01 MAUNDY THURSDAY
- 02 GOOD FRIDAY
- 04 EASTER
- 06 1st sem 1st Sessnl
- 07 2nd Diploma
- 12 3rd PhmD 3rd Sessnl
- 14 VISHU
- 22 World Earth Day

Apr						
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Nov						
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- 09 1st Diploma 1st Sessnl
- 13 Mpm 2nd Sem 2nd Ses
- 14 DIWALI / DEEPAVALI
- 15 2nd Diploma 1st Sessnl
- 15 World COPD Day

- 01 MAY Day
- 01 Add on Course 05
- 05 World Asthma Day
- 13 Eid-ul-Fitar
- 15 4th PhmD 3rd Sessnl

May						
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Add on Courses:

- 01-Advancements in transdermal drug delivery systems
- 02-Generic drugs and bioequivalence
- 03-Sterile manufacturing pharmaceuticals
- 04-Global regulations on herbal medicine
- 05- Emerging trends in Nano medicine research



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2019-2020 ACADEMIC CALENDAR

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- 05 **Eid-ul-Fitar**
- 05 Environmental Day
- 14 World Blood Donor
- 20 2ND SEM BP 2ND SES
- 20 2ND SEM BP 2ND SES
- 21 International Yoga
- 24 4TH SEM BP 2ND SES
- 17 **Add on Course 01**

- 01 World AIDS Day
- 02 3rd Sem BP 2nd Sess
- 02 **Add on course 04**
- 05 1st PhrmD 2nd Sess
- 13 1st sem BP 2nd Sess
- 13 Final Yr BP 2nd Sess
- 16 2nd DPhm 2nd Sess
- 25 **Christmas**

Dec						
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Jul						
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- 31 **Karkidaka vavu**

- 02 **Mannam Jayanthi**
- 06 1st DPhm 2nd Sess
- 15 5th Sem BP University
- 20 3rd Sem BP university
- 24 National Girl child
- 26 **Republic Day**
- 27 3rd PhrmD 2nd sess

Jan						
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Aug						
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- 05 2nd Sem BP University
- 05 4th Sem MPharm Uni
- 05 **Add on course 02**
- 11 **Bakrid/ Eid ul-Adha**
- 15 **Independence day**
- 23 **Sreekrishna Jayanthi**
- 28 **SriAyyankali Jayanth**

- 04 World Cancer Day
- 21 **Maha Shivaratri**
- 24 2nd PhrmD 2nd Sess
- 24 Final Yr Bp 3rd Sess
- 24 1st Sem BP Uni

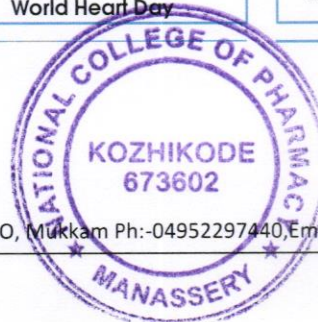
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Sep						
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- 02 3rd PhrmD 1st sess
- 02 Final Yr BP 1st sess
- 08 World FirstAid Day
- 10 **Muharram**
- 11 **Onam**
- 15 1st PhrmD 1st sess
- 23 1st Sem BP 1st Sess
- 25 Pharmacist Day
- 29 World Heart Day

- 02 1st DPhm 3rd Sess
- 02 MPharm 1st Sem Univ
- 07 2nd PhrmD 3rd Sess
- 08 World Kidney Day
- 13 **Add on course 05**
- 25 6th Sem BP 1st Sess
- 25 4th Sem BP 2nd Sess
- 24 World Tuberculosis

Mar						
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Oct						
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- 02 **Gandhi Jayanti**
- 07 **Maha navami**
- 07 **2nd DPhrm 1st Sess**
- 14 **5th Sem BP 1st Sess**
- 27 **Deepavali**
- 05 **Vijaya dasami**

01	2 nd Sem BP 1 st Sess
01	3 rd PhrmD 3 rd Sess
10	Good Friday
12	Easter
14	Vishu
20	Final BP University
22	World Earth Day
09	Maundy thursday
23	1 st PhrmD 3 rd Sess

Apr						
S	M	T	W	T	F	S
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30		

Nov						
S	M	T	W	T	F	S
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30

- 04 **2nd PhrmD 1st Sess**
- 10 **Milad un Nabi**
- 11 **1st DPhrm 1st sess**
- 11 **Add on Course 03**
- 15 **World COPD Day**

01	May Day
05	World Asthma Day
25	2 nd Sem BP 2 nd Sess
25	4 th Sem BP 2 nd Sess
24	Eid-ul-Fitar
25	6 th Sem BP 1 st Sess
31	Anti-Tobacco Day

May						
S	M	T	W	T	F	S
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

Add on Course:

- 01 Pharmacotherapy- Advancements and innovations
- 02- Pharmaceutical Analysis excellence Program
- 03-Overview of pharmaceutical validation
- 04-Drug design aspects in academic sector
- 05- Role of biotechnology in pharmacy



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2018-2019 ACADEMIC CALENDAR

Jun						
S	M	T	W	T	F	S
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30

- 05 Environmental Day
- 11 Add on Course -01
- 16 Eid-ul-Fitar
- 14 World Blood Donor
- 21 International Yoga Day

Dec						
S	M	T	W	T	F	S
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

- 01 World AIDS Day
- 03 Add on Course 03
- 25 Christmas

Jul						
S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

Jan						
S	M	T	W	T	F	S
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

- 02 Mannam Jayanthi
- 14 FINAL YEAR BP 2ND SE
- 15 3RD PHARMD 1ST SESS
- 15 1ST SEM MPHARM UNI
- 21 3RD YEAR BP 2ND SESS
- 24 National Girl child Day
- 26 Republic Day

Aug						
S	M	T	W	T	F	S
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

- 15 Independence Day
- 22 Bakri Id / Eid ul-Adha
- 25 Onam
- 27 Sree Narayana Guru jayanthi
- 28 Ayyankali jayanthi

Feb						
S	M	T	W	T	F	S
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28		

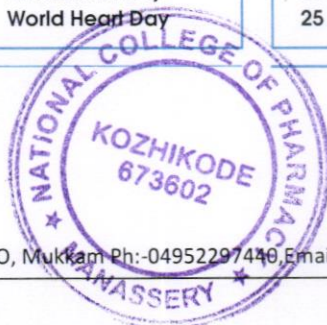
- 04 World Cancer Day
- 06 4TH PHARMD 2ND SES

Sep						
S	M	T	W	T	F	S
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30						

- 04 Add on course 02
- 20 Muharram
- 21 Sree Narayana guru samadhi
- 25 Pharmacist Day
- 29 World Heart Day

Mar						
S	M	T	W	T	F	S
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

- 04 Maha Shivaratri
- 08 World Kidney Day
- 11 5TH PHARMD 2ND SES
- 11 Add on course 04
- 22 4TH SEM BP 1ST SES
- 22 2ND SEM BP 2ND SES
- 22 1ST PHARMD 2ND SES
- 24 World Tuberculosis Day
- 25 FINAL YEAR BP 3RD SE



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Oct						
S	M	T	W	T	F	S
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

- 02 **Gandhi Jayanti**
- 01 2ND YR PHARMD 1ST SE
- 03 1ST SEM BP 1ST SESS
- 03 2ND DPharm 2ND SESS
- 08 3RD SEM BP 1ST SESS
- 08 1ST YEAR BP UNIVERS
- 18 **Maha Navami**
- 19 **Vijaya dasami**
- 22 FINAL YEAR BP 1ST SES

- 08 3RD YEAR BP 3RD SES
- 15 **Vishu**
- 16 3RD PHARMD 2ND SES
- 18 **Maundy Thursday**
- 19 **Good Friday**
- 21 **Easter**
- 22 World Earth Day

Apr						
S	M	T	W	T	F	S
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30				

Nov						
S	M	T	W	T	F	S
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	

- 01 3RD YEAR BP 1ST SESS
- 01 4TH PHARMD 1ST SESS
- 06 **Diwali / Deepavali**
- 15 World COPD Day
- 20 **Milad un Nabi**

- 01 **May Day**
- 05 World Asthma Day
- 08 **Add on course 05**
- 13 FINAL BP UNIVERSITY
- 13 2ND PHARMD 3RD SES
- 14 4TH PHARMD 3RD SES
- 31 Anti-Tobacco Day

May						
S	M	T	W	T	F	S
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

Add on courses :

- 01-Overview of Pharmaceutical learning.
- 02-Introduction to Pharmaceutical Industry.
- 03- Role of Pharmacognosy in drug formulation and development.
- 04- Emerging concepts in Pharma industry, 05- Role of metal ions in drug design.



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LESSON PLAN SAMPLE



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Lesson Plan

Year: IInd year Pharm D

Sub: Pathophysiology

First sessional examination portions:

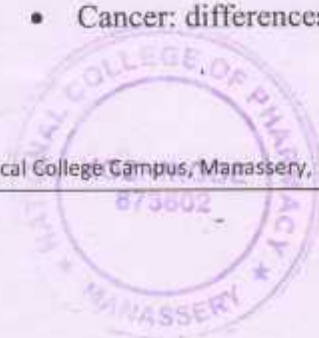
- Basic principles of cell injury and Adaptation a) Causes, Pathogenesis and morphology of cell injury b) Abnormalities in lipoproteinaemia, glycogen infiltration and glycogen infiltration and glycogen storage diseases.
- Pathophysiology of common diseases: Hypertension, Stroke (ischaemic and hemorrhage), Peptic ulcer and inflammatory bowel diseases, Cirrhosis and Alcoholic liver diseases, Acute and chronic renal failure, Asthma and chronic obstructive airway diseases.
- Infectious diseases: Sexually transmitted diseases (HIV, Syphilis, Gonorrhoea), Urinary tract infections, Pneumonia, Typhoid, Tuberculosis, Leprosy, Malaria Dysentery (bacterial and amoebic), Hepatitis- infective hepatitis.

Second sessional examination portions:

- Inflammation a) Pathogenesis of acute inflammation, Chemical mediators in inflammation, Types of chronic inflammation. b) Repairs of wounds in the skin, factors influencing healing of wounds.
- Diseases of Immunity a) Introduction to T and B cells b) MHC proteins or transplantation antigens c) Immune tolerance - Hypersensitivity type I, II, III, IV, Biological significance, Allergy due to food, chemicals and drugs - Autoimmunity Criteria for autoimmunity, Classifications of autoimmune diseases in man, mechanism of autoimmunity, Transplantation and immunologic tolerance, allograft rejections, transplantation antigens, mechanism of rejection of allograft. - Acquired immune deficiency syndrome (AIDS) - Amyloidosis.
- Pathophysiology of common diseases: Parkinsonism, Schizophrenia, Depression and mania, Angina, CCF, Atherosclerosis, Myocardial infarction, Diabetes Mellitus.

Third sessional examination portions:

- Cancer: differences between benign and malignant tumors, Histological diagnosis of



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- malignancy, invasions and metastasis, patterns of spread, disturbances of growth of cells, classification of tumors, general biology of tumors, spread of malignant tumors, etiology and pathogenesis of cancer.
- Types of shock, mechanisms, stages and management
- Biological effects of radiation
- Environmental and nutritional diseases:
 - i. Air pollution and smoking- SO₂, NO, NO₂, and CO
 - ii. Protein calorie malnutrition, vitamins, obesity, pathogenesis of starvation.



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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

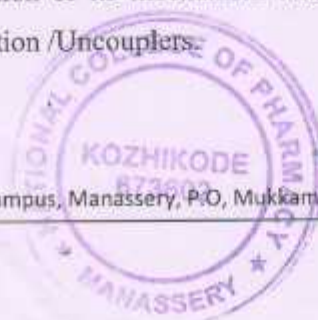
Carbohydrate metabolism

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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LESSON PLAN
SUBJECT: PHARMACOGNOSY AND PHYTOCHEMISTRY-II
Year: Fifth Semester B Pharm

SESSIONALS	SYLLABUS	HOURS
1 ST SESSIONAL EXAMINATION	UNIT-I :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	7
	UNIT-II :Study of the biological source, cultivation (marked only), commercial varieties, chemical constituents, chemistry & chemical classes, substitutes, adulterants, Diagnostic, macroscopic and microscopic (marked only) features, specific chemical tests, general methods of extraction & analysis, therapeutic uses and commercial applications of following secondary metabolites: Alkaloids: Vinca, Rauwolfia, Belladonna, Opium, Ephedra, Cinchona 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	16
2 ND SESSIONAL EXAMINATIONS	UNIT-II Glycosides: Senna, Aloes, Bitter Almond Iridoids, Other terpenoids & Naphthaquinones: Gentian, Artemisia, Taxus, Carotenoids	4
	UNIT-III Industrial production, estimation and utilization of the following phytoconstituents: Forskolin, Sennoside, Artemisinin, Diosgenin, Digoxin, Atropine, Podophyllotoxin, Caffeine, Taxol, Vincristine and Vinblastine	10
	UNIT IV 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.	8

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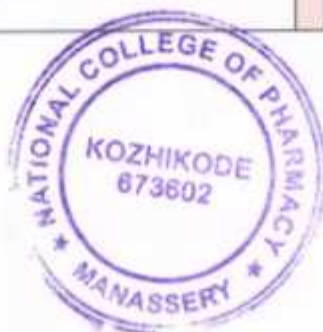
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TIME TABLE SAMPLE

NATIONAL COLLEGE OF PHARMACY TIME TABLE 2018-19

MONDAY

CLASS	09:00-10:00	10:00-11:00	11:00-12:00	01:00-02:00	02:00-03:00	03:00-04.00
S2A	HAP (HK)	PATHO (ATS)	BIOCHEM (AJ)	A: HAP LAB (HK) B: BIOCHEM LAB (AJ)		
S2B	A: HAP (NK) B: BIOCHEM (IK)			HAP (NK)	PATHO (VT)	BIOCHEM (IK)
S4A	POC (AKR)	PHYSICAL PHARMACY (DA)	MED CHEM (AM)	A: P. COLOGY (HB) B: P. COGNOSY (SS)		
S4B	A: P. COLOGY (EJD) B: P. COGNOSY (AA)			PHYSICAL PHARMACY (SV)	TUTORIAL	MED. CHEM (VD)
III B PHARM	P.COLOGY (ML)	P. COGNOSY (SB)	CNP (AKR)	BIOPHARM (AH)	JURIS (NH)	IBM (DA)
IV B PHARM	MED.CHEM (AJ)	P. CEUTICS (VM)	PHARMACY PRACTICE (ZM)	A: P. CEUTICS (SJI) C: P. ANALYSIS (KV) B: MED. CHEMISTRY (SD) D: PHARMACY PRACTICE (ZM)		
I pharm. D	POC (RJ)	HAP (SA)	P.CEUTICS (VM)	PHARMACEUTICS PRACTICAL (VM)		
II pharm. D	PATHO (JE)	TUTORIAL	P.THERAPEUTICS (HK)	P. THERAPEUTICS PRACTICAL (SL)		
III pharm. D	JURIS (DS)	P. COLOGY (NM)	P. ANALYSIS (PA)	P. THERAPEUTICS PRACTICAL (EJD)		
IV pharm. D	BIOPHARMACEUTICS PRACTICAL (AH)			TUTORIAL	P. THERAPEUTICS (SA)	BIOPHARM (AH)
V pharm. D	HOSPITAL POSTING			CLINICAL RESEARCH(VT)	CLERKSHIP	



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NATIONAL COLLEGE OF PHARMACY TIME TABLE 2018-19

TUESDAY

CLASS	09:00-10:00	10:00-11:00	11:00-12:00	01:00-02:00	02:00-03:00	03:00-04.00
S2A	A: POC (RJ) B: HAP (HK)			BIOCHEM(IK)	POC (RJ)	EVS (AA)
S2B	P. CHEM (SD)	EVS (NH)	PATHO (VT)	A: P. CHEM (SD) B: HAP (NK)		
S4A	A: MED. CHEM (AM) B: PHYSICAL PHARMACY (DA)			P. COLOGY (HB)	P. COGNOSY (SS)	PHYSICAL PHARMACY (DA)
S4B	P. COLOGY (EJD)	P. COGNOSY (AA)	PHYSICAL PHARMACY (SV)	A: MED. CHEM (VD) B: PHYSICAL PHARMACY (JP)		
III B PHARM	A: P. COGNOSY (SB) C: MICRO (SP) B: BIOPHARM (AH) D: CNP (AJ)			CNP (AKR)	JURIS (NH)	TUTORIAL
IV B PHARM	P. ANALYSIS (KV)	P. COLOGY (NM)	P. CEUTICS(SJI)	A: P. COLOGY (NM) C: PHARMACY PRACTICE (SL) B: P. COGNOSY (SB) D: P.CEUTICS (SJI)		
I pharm. D	BIOCHEMISTRY PRACTICAL (RPT)			HAP (SA)	PIC (DD)	BIOCHEM (RPT)
II pharm. D	MICRO (SJI)	COMMUNITY PHARMACY (SA)	P. COLOGY (EJD)	HOSPITAL DUTY		
III pharm. D	P. ANALYSIS (PA)	FORMULATION (VM)	P.COLOGY (NM)	FORMULATION PRACTICAL (VM)		
IV pharm. D	HOSPITAL PHARMACY PRACTICAL (JE)			CLINICAL PHARMACY (RPT)	BIOSTATISTICS (DS)	HOSPITAL PHARMACY (JE)
V pharm. D	HOSPITAL PHARMACY			TDM(EJD)	CLERKSHIP	CLERKSHIP

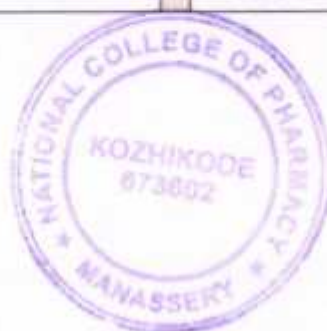


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NATIONAL COLLEGE OF PHARMACY TIME TABLE 2018-19

WEDNESDAY

CLASS	09:00-10:00	10:00-11:00	11:00-12:00	01:00-02:00	02:00-03:00	03:00-04.00
S2A	BIOCHEM (AJ)	HAP (HK)	PATHO (ATS)	A: BIOCHEM (AJ) B: P. CHEM (RJ)		
S2B	A: BIOCHEM (IK) B: P. CHEM (SD)			EVS (NH)	COMPUTER	(HAP)TUTORIAL
S4A	A: P.COGNOSY (SS) B: MED CHEM (AM)			P.COLOGY (HB)	PHYSICAL PHARMACY (DA)	POC (AKR)
S4B	MED CHEM (VD)	P.COGNOSY (AA)	POC (AJ)	A: P.COGNOSY (AA) B: P. COLOGY (EJD)		
III B PHARM	IBM (DA)	P. COLOGY (ML)	BIOPHARM (AH)	TUTORIAL	MICRO (SP)	TUTORIAL
IV B PHARM	P. COLOGY (NM)	P. ANALYSIS (KV)	PHARMACY PRACTICE (ZM)	A: P. ANALYSIS (KV) C: P.CEUTICS (NH) B: PHARMACY PRACTICE (ZM) D: COGNOSY (ATS)		
I pharm. D	POC (RJ)			HAP (SA)	TUTORIAL	BIOCHEM (RPT)
II pharm. D	PATHO (JE)	COGNOSY (SB)	P.THERAPEUTICS (HK)	PHARMACOGNOSY PRACTICAL (SB)		
III pharm. D	JURIS (DS)	COLOGY (NM)	FORMULATION (VM)	P. COLOGY PRACTICAL (NM)		
IV pharm. D	HOSPITAL POSTING			BIOPHARM (AH)	HOSPITAL PHARMACY (JE)	BIOSTATISTICS (DS)
V pharm. D	HOSPITAL POSTING			CLINICAL RESEARCH (VT)	TUTORIAL	



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NATIONAL COLLEGE OF PHARMACY TIME TABLE 2018-19

THURSDAY

CLASS	09:00-10:00	10:00-11:00	11:00-12:00	01:00-02:00	02:00-03:00	03:00-04.00
S2A	COMPUTER	TUTORIAL	TT	P.CHEM (RJ)	PATHO (ATS)	EVS (AA)
S2B	A: P.CHEM (SD)	PATHO (VT)	EVS (NH)	EVS(NH)	COMPUTER	TUTORIAL
S4A	POC (AKR)	MED CHEM (AM)	COGNOSY (SS)	A: PHYSICAL PHARMACY (DA) B: P. COLOGY (HB)		
S4B	TUTORIAL	TUTORIAL	TUTORIAL	POC (AJ)	COLOGY (EJD)	PHYSICAL PHARMACY (SV)
III B PHARM	A: P. COLOGY (ML) B: COGNOSY (SB)		C: BIOPHARM (AH) D: MICRO (JYA)	MICRO (SP)	P. COGNOSY (SB)	P. COLOGY (ML)
IV B PHARM	P. COGNOSY (SS)	TUTORIAL	P.CEUTICS (SJI)	A: MED. CHEM (DD) C: P. COGNOSY (SA) B: P.CEUTICS (JYA) D: P. COLOGY (NM)		
I pharm. D	HAP PRACTICAL (SA)			TUTORIAL	P.CEUTICS (VM)	TUTORIAL
II pharm. D	PATHO (JE)	TUTORIAL	P.THERAPEUTICS (HK)	JOURNAL CLUB		P. COLOGY (EJD)
III pharm. D	MED. CHEM (AM)	P.THERAPEUTICS (HK)	P. ANALYSIS (PA)	P. ANALYSIS PRACTICAL (PA)		
IV pharm. D	P. THERAPEUTICS PRACTICAL (DS)			TUTORIAL	TOXICOLOGY (SL)	CLINICAL PHARMACY (RPT)
V pharm. D	HOSPITAL POSTING			CLINICAL RESEARCH (VT)	EPIDEMIOLOGY (DS)	TUTORIAL



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NATIONAL COLLEGE OF PHARMACY TIME TABLE 2018-19

FRIDAY

CLASS	09:00-10:00	10:00-11:00	11:00-12:00	01:00-02:00	02:00-03:00	03:00-04.00
S2A	HAP (HK)	P. CHEM (RJ)	BIOCHEM (AJ)		EVS (AA)	COMPUTER
S2B	COMPUTER PRACTICAL				HAP (NK)	BIOCHEM (IK)
S4A	MED. CHEM (AM)	P. COLOGY (HB)	TUTORIAL	TUTORIAL		
S4B	POC (AJ)	MED. CHEM (VD)	TUTORIAL		P. COLOGY (EJD)	P. COGNOSY (AA)
III B PHARM	A: MICRO (JYA) B: P. COLOGY (VT)		C: P. COGNOSY (AA) D: BIOPHARM (NH)		P. COGNOSY (SB)	CNP (AKR)
IV B PHARM	MED. CHEM (AM)	P. COGNOSY (SS)	P. COLOGY (NM)	A: P. COGNOSY (ATS) B: P. ANALYSIS (PA)		C: P. COLOGY (ML) D: MED. CHEM (DD)
I pharm. D	BIOCHEM (RPT)	TUTORIAL	PIC (DD)		POC (RJ)	TUTORIAL
II pharm. D	MICRO (SJI)	P. COGNOSY (SB)	COMMUNITY PHARMACY (SA)		TUTORIAL	COLOGY (EJD)
III pharm. D	TUTORIAL	MED CHEM (AM)	P. THERAPEUTICS (HK)	MED. CHEMISTRY (AM)		
IV pharm. D	CLINICAL PHARMACY PRACTICAL (AMP)				P. THERAPEUTICS (SA)	TOXICOLOGY (SL)
V pharm. D	HOSPITAL PHARMACY				P. EPIDEMIOLOGY (DS)	TUTORIAL



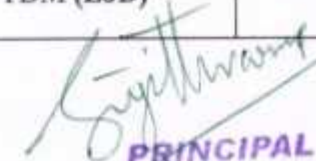
Sujitha
PRINCIPAL
 National College of Pharmacy
 Manassery, Kozhikode

NATIONAL COLLEGE OF PHARMACY TIME TABLE 2018-19

SATURDAY

CLASS	09:00-10:00	10:00-11:00	11:00-12:00	01:00-02:00	02:00-03:00	03:00-04.00
S2A	COMPUTER PRACTICAL			TUTORIAL	TUTORIAL	TUTORIAL
S2B	HAP (NK)	COMPUTER	TUTORIAL	P. CHEM (SD)	COMPUTER	
S4A	P. COGNOSY (SS)	TUTORIAL	TUTORIAL	TBL		
S4B	A: PHYSICAL PHARMACY (JP)		B: MED CHEM (VD)	TUTORIAL		
III B PHARM	A: CNP (SD) B: CNP (RJ)		C: P. COLOGY (ML) D: P. COGNOSY (AA)	A: BIOPHARM (PR) B: MICRO (SP)		C: CNP (AKR) D: P. COLOGY (VT)
IV B PHARM	MED. CHEM (AJ)	GPAT COACHING (AR)		A: PHARMACY PRACTICE (ZM) B: P. COLOGY (ML)		C: MED. CHEM (PA) D: P. ANALYSIS (KV)
I pharm. D	PIC PRACTICAL (DD)			POC (RJ)	BIOLOGY / MATHS	
II pharm. D	MICRO BIOLOGY PRACTICAL (SJI)			P. COGNOSY (SB)	TUTORIAL	MICRO (SJI)
III pharm. D	HOSPITAL POSTING			MED. CHEM (AM)	P. THERAPEUTICS (HK)	TUTORIAL
IV pharm. D	CLINICAL PHARMACY (RPT)	BIOPHARM (AH)	TUTORIAL	TUTORIAL	P. THERAPEUTICS (SA)	TUTORIAL
V pharm. D	HOSPITAL POSTING			TUTORIAL	TDM (EJD)	P. EPIDEMIOLOGY (DS)




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