

TILAK AYURVED MAHAVIDYALAYA
583/2, Rasta Peth, Pune 411011
Academic Term Planner-UG

Course/ Class: **II Professional BAMS (2021) 2023-2024 January 2025 Appearing**

Subject- **Dravyaguna Vigyan Theory**

Subject Code: **AyUG- DG**

First term

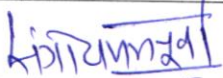
Duration: **From Oct 2023 to March 2024**

Name of the Dravyaguna Departmental Faculty:

Dr. Apoorva Sangoram Professor & HOD
Dr. Asmita Jadhav Associate Professor
Dr. Sneha Kulkarni Associate Professor
Dr. Pradnya Gathe Associate Professor
Dr. Gauri Gangal Assistant Professor

Sr No	List of Topics	Term	Month	Lecture hours	Non- Lecture hours
1	1. Dravyaguna Vigyana	1	Oct.2023	1	1
2	2. Dravya 2.1 Panchabhoutikatwa of Dravya Classification of Dravya based on Utpattibheda, Yonibheda, Prayogabheda, Prabhavbheda, Doshaghnabheda, Rasabheda and Karmbheda	1	Oct.2023	5	4
3	3. Guna 3.1 Panchabhoutikatva, characteristics and classification 3.2 Gurvadiguna and its karma on Dosha, Dhatu and Mala, clinical application and research updates Paradiguna with examples, clinical applications and research updates	1	Nov.2023	4	2
4	4. Rasa 4.1 Meaning of "Rasa" in various contexts 4.2 Shadrasa in relative correlation with taste of chemical constituents 4.3 Rasotpatti and Panchabhoutika constitution of Shadrasa 4.4 Rasopalabधि and pathway of taste perception & sites of taste receptors in the body 4.5 Rasa -Lakshana, Guna & Karmas of each Rasa on Dosha, Dhatu and Mala 4.6 Atiyogalakshana, 4.7 Clinical application and Research updates of Shadrasa Anurasa Rasa Sevanakrama of Aushadha	1	Dec.2023	7	4
5	5. Vipaka 5.1 Trividha Vipaka 5.2 Vipak karma on Dosha, Dhatu and Mala 5.3 Clinical application and Research updates	1	Jan.2024	3	1

	Vipakopalabdhi (Determination of Vipaka) & Taratamya (Degree of variation)				
6	6. Virya 6.1 Difference between Guna and Virya 6.2 Karmas of Virya on Dosha, Dhatu and Mala 6.3 Clinical application and Research updates Viryaopalabdhi (Determination of Virya) and understanding of Virya with respect to actions of active constituents	1	Jan.2024	2	2
7	7. Prabhava 7.1 Samanapratyayarabdha and Vichitrapratyayarabdha Clinical application of Prabhava and Research updates	1	Jan.2024	2	1
8	8. Interrelation of Rasa-Guna-Virya-Vipaka-Prabhava Interrelation of Rasa-Guna-Virya-Vipaka-Prabhava with respect to their strength- Pharmacodynamics	1	Feb.2024	1	2
9	Individual Karma, correlation with contemporary pharmacological action, examples, clinical application and research updates 9.1 Deepana 9.2 Pachana 9.3 Samshodhana 9.4 Samshamana 9.5 Anulomana 9.6 Sransana 9.7 Bhedana 9.8 Rechana 9.9 Chhedana 9.10 Lekhana 9.11 Grahi 9.12 Sthambhana 9.13 Madakari 9.14 Pramathi 9.15 Abhishyandi 9.16 Vyavayi 9.17 Vikashi 9.18 Rasayana 9.19 Vajeekarana 9.20 Medhya	1	Feb.2024- Mar.2024	9	5
10	Karmas of Dashemani Gana	1		12	3
	Total hour			46	25


Dr. Apoorva Sangoram
Professor & HOD
Dravyaguna Department

Head of the Department
Dravyaguna Vidnyan
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Academic Term Planner -UG

Course/ Class: II Professional BAMS (2021) 2023-2024 January 2025 Appearing
 Subject- Dravyaguna Vigyan Theory
 Second Term

Duration: From April 2024 to September 2024

Name of the Dravyaguna Departmental Faculty:

Dr. Apoorva Sangoram Professor & HOD
 Dr. Asmita Jadhav Associate Professor
 Dr. Sneha Kulkarni Associate Professor
 Dr. Pradnya Gathe Associate Professor
 Dr. Gauri Gangal Assistant Professor

Sr. No	List of Topics	Term	Months	Lecture hours	Non-Lecture hours
1.	1. Bsheshjavacharaniya (Criteria's to be considered for selection of drugs in vyadhis)	2	April 2024	12	6
2	2.1 Dravya (Drug) Nama-Guna-Karma Jnana Amalaki , Aragwadha , Arjuna	2	April 2024		10
3	Ashoka Ashwagandha Ativisha, Bilva ,Brahmi Ahiphena (NK), Ajamoda (DK)	2	June2024	12	
4	Bala Beejaka Bhallataka Bharangi Bhrungaraja Bhumyamalaki Chandana Chitraka, Dadima Dhataki Dhamasa Eranda Gokshura Guduchi Guggulu Haridra Haritaki Hingu Jambu Jyotishmati Kanchanara Katakari Kapikachhu Karkatshrungi	2	July2024	14	
5	Jatamansi Katuki Khadira Kumari Kutaja Latakaranja Lodhra Agnimanth Apamarga (DK) Asthishrunkhala Bakuchi Bruhati Chakramarda Dhanyaka Ela Gambhari Japa Jatiphala Jeeraka (DK) Kalamegha Kampillaka Kulatha (NK) Kumkum Lajjalu Lavanga	2	August 2024	10	
6	Madanphala Mandukaparni Manjishta Maricha Meshashrungi Methika Musta	2	Sep 2024	6	
	Total Hours			54	16

Note : As per NCISM Alloted lectures are 46 hrs

As per calculation 54 lectures in II term which are extra (8) should be adjusted in practical and III term.

(Signature)
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Academic Term Planner -UG

Course/ Class: II Professional BAMS (2021) 2023-2024 January 2025 Appearing

Subject- Dravyaguna Vigyan Theory

Third term From: Oct 2024 to January 2025

Name of the Dravyaguna Departmental Faculty:

1. Dr. Apoorva Sangoram HOD& Professor
2. Dr. Asmita Jadhav Associate Professor
3. Dr. Sneha Joshi Associate Professor
4. Dr. Pradnya Gathe Associate Professor
5. Dr. Gauri Gangal Assistant Professor

Sr.No	List of Topics	Term	Months	Lecture hours	Non- Lecture hours
1	Principles of General Pharmacology 11.11.1, 11.2,11.3, 11.4, 11.5. 11.6,11.7 11.8.11.9	3	Oct 2024	15	1
2	Mishraka Gana Mishrakagaa Its composition, guna karma and therapeutic uses. Brihatpanchamoola. Laghupanchamool Vallipanmol Kantakapanmoola. Trinapanchamoola. Panchavalkala. Triphala. Trikatu.	3	Oct 2024	6	2

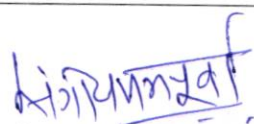
	Trimada. Chaturusana. Panchakola. Shadusana Chaturbeeja. Trijataka. Chaturajataka. Panchatikta. Chaturbhadra. Trikarshika.				
3	Nomenclatur of dravya as per Nighantu, Vedic taxonomy and Botany	3	Oct 2024	0	2
4	Prashasta Bheshaja, Bheshaja Pariksha and drug evaluation method with correlation as per Pharmacognos y	3	Oct 2024	1	2
5	Dravyasangraha ana and Drug collection methods as per GFCP (Good Field collection practices)	3	Oct 2024	1	0
6	Paper 2 Applied Dravyaguna 2.2 Dravya (Drugs) Nama -Guna- Karma-Jnana Nagkeshar Nimba Nirgundi Palasha Pashanabheda Patha Pippali Punarnava Rasna Rasona Sarapagandha Sairayak Sariva Shallaki	3	Nov 2024	29	20

	Shalmali(Mocharasa)Shankhapushpi Shatavari Shigru Shunthi Talisapatra (NK) Trivrut Tulasi Twak Usheera Vacha Varuna Vasa Vatsanabh Vibhitaki Vidanga Yashtimadhu				
7	GCP (Good cultivation practices), seed bank, conservation of medicinal plants, knowledge about RET (Rear, Endangered & Threatened) medicinal plants.	3	Dec 2024	1	0
8	Abhava Pratinidhi Dravya (substitutes)	3	Dec 2024	1	1
9	Classifications and techniques of aqueous and alcoholic extracts	3	Dec 2024	0	2
10	Adverse drug reaction and Pharmacovigilance with recent updates	3	Dec 2024	1	2
11	NMPB (National Medicinal Plant Board), CCRAS (Central Council of Research in Ayurveda Sciences), API (Ayurvedic Pharmacopeia of India),	3	Dec 2024	1	0

	GCTM (Global Centre for Traditional Medicine), PCIMH (Pharmacopeia Commission of Indian Medicine and Homeopathy)				
12	Vrikshayurveda and Ethno-medicine	3	Dec 2024	1	1
13	Network pharmacology and Bioinformatics	3	Dec 2024	1	1
Total Hours				58	34

Total Theory Hours

	Lecture Hours	Non Lecture Hours
I term	46	25
II term	46	16
III term	58	34
Total	150	75


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Course/ Class: IInd Year BAMS (2021) 2023-2024 January 2025 appearing
Subject- Dravyaguna Vigyan Practical Term: I From Oct 2023 to March 2024
First term

Name of the Dravyaguna Departmental Faculty:

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2. Dr. Asmita Jadhav Associate Professor
3. Dr. Sneha Joshi Associate Professor
4. Dr. Pradnya Gathe Associate Professor
5. Dr. Gauri Gangal Assistant Professor

S.No	List of Topics	Hours
1	Assessment and Understanding the relation between Parthivatwa & subjective/ objective parametric tests	10
2	Assessment of objective parametric measures of Guna	12
3	Assessment of Rasa	6
4	Comparative organoleptic and macroscopic examination	23
5	Microscopic Identification of genuine and adulterated drug	4
6	Demonstration of skills to identify the medicinal plants in the college garden.	10
7	Out campus visit (Cultivated gardens, Tissue culture lab, Herbaria, Pharmacognosy lab, Quality control lab and Forest plant demonstration)	10
8	Dravya prayoga	12
	Total	87



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ATP-UG

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Subject- Dravyaguna Vigyan Practical Term : II From: April 2024 to September 2024
Second term

Name of the Dravyaguna Departmental Faculty:

- | | |
|-------------------------|---------------------|
| 1. Dr. Apoorva Sangoram | HOD& Professor |
| 2. Dr. Asmita Jadhav | Associate Professor |
| 3. Dr. Sneha Joshi | Associate Professor |
| 4. Dr. Pradnya Gathe | Associate Professor |
| 5. Dr. Gauri Gangal | Assistant Professor |

S.No	List of Topics	Hours
1.	Physico-chemical study	8
2.	Phytochemical	4
3.	Thin Layer Chromatography (TLC) technique	2
4.	Demonstration of skills to identify the medicinal plants in the college garden	10
5.	13. Out campus visit (cultivated gardens & In-situ plant demonstration)	10
6.	14. Ekala dravya prayoga	10
7.	15. Different Cultivation technique including methods mentioned in Vrikshayurveda	6
	Total	50



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Subject- Dravyaguna Vigyan Practical Term: III From: Oct 2024 to January 2025
Third term

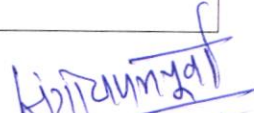
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3. Dr. Sneha Joshi Associate Professor
4. Dr. Pradnya Gathe Associate Professor
5. Dr. Gauri Gangal Assistant Professor

S.No	List of Topics	Hours
1.	Exercise on Network pharmacology	6
2.	Preparations of digital herbarium	2
3.	Demonstration of skills to identify the medicinal plants in the college garden	10
4.	Out campus visit (cultivated gardens & In-situ plant demonstration)	10
5.	Ekala dravya prayoga	10
	Total	38

Total Practical Hours

	Practical Hours
I term	87
II term	50
III term	38
Total	175


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Academic Term Planner-UG

Course/ Class: II Professional BAMS (2021) 2024-2025 December 2025 Appearing

Subject- Dravyaguna Vigyan Theory

Subject Code: AyUG- DG

First term

September 2024 to January 2025

Name of the Dravyaguna Departmental Faculty:

Dr. Apoorva Sangoram Professor & HOD

Dr. Asmita Jadhav Associate Professor

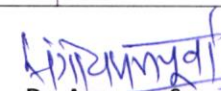
Dr. Sneha Kulkarni Associate Professor

Dr. Pradnya Gathe Associate Professor

Dr. Gauri Gangal Assistant Professor

Sr No	List of Topics	Term	Month	Lecture hours	Non- Lecture hours
1	1. Dravyaguna Vigyana	1	Sep 2024	1	1
2	2. Dravya 2.1 Panchabhoutikatwa of Dravya Classification of Dravya based on Utpattibheda, Yonibheda, Prayogabheda, Prabhavbheda, Doshaghnabheda, Rasabheda and Karmbheda	1	Sep 2024	5	4
3	3. Guna 3.1 Panchabhoutikatva, characteristics and classification 3.2 Gurvadiguna and its karma on Dosha, Dhatu and Mala, clinical application and research updates Paradiguna with examples, clinical applications and research updates	1	Oct 2024	4	2
4	4. Rasa 4.1 Meaning of "Rasa" in various contexts 4.2 Shadrasa in relative correlation with taste of chemical constituents 4.3 Rasotpatti and Panchabhoutika constitution of Shadrasa 4.4 Rasopalabdhi and pathway of taste perception & sites of taste receptors in the body 4.5 Rasa -Lakshana, Guna & Karmas of each Rasa on Dosha, Dhatu and Mala 4.6 Atiyogalakshana, 4.7 Clinical application and Research updates of Shadrasa Anurasa Rasa Sevanakrama of Aushadha	1	Nov 2024	7	4
5	5. Vipaka 5.1 Trividha Vipaka 5.2 Vipak karma on Dosha, Dhatu and Mala 5.3 Clinical application and Research updates	1	Dec 2024	3	1

	Vipakopalabdhi (Determination of Vipaka) & Taratamya (Degree of variation)				
6	6. Virya 6.1 Difference between Guna and Virya 6.2 Karmas of Virya on Dosha, Dhatu and Mala 6.3 Clinical application and Research updates Viryaopalabdhi (Determination of Virya) and understanding of Virya with respect to actions of active constituents	1	Dec 2024	2	2
7	7. Prabhava 7.1 Samanapratyayarabdha and Vichitrapratyayarabdha Clinical application of Prabhava and Research updates	1	Dec 2024	2	1
8	8. Interrelation of Rasa-Guna-Virya-Vipaka-Prabhava Interrelation of Rasa-Guna-Virya-Vipaka-Prabhava with respect to their strength- Pharmacodynamics	1	Dec 2024	1	2
9	Individual Karma, correlation with contemporary pharmacological action, examples, clinical application and research updates 9.1 Deepana 9.2 Pachana 9.3 Samshodhana 9.4 Samshamana 9.5 Anulomana 9.6 Sransana 9.7 Bhedana 9.8 Rechana 9.9 Chhedana 9.10 Lekhana 9.11 Grahi 9.12 Sthambhana 9.13 Madakari 9.14 Pramathi 9.15 Abhishyandi 9.16 Vyavayi 9.17 Vikashi 9.18 Rasayana 9.19 Vajeekarana 9.20 Medhya	1	Dec 2024- Jan 2025	9	5
10	Karmas of Dashemani Gana	1	Jan 2025	12	3
	Total hour			46	25


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Course/ Class: II Professional BAMS (2021) 2024-2025 December 2025 Appearing Subject-
Dravyaguna Vigyan Theory
Second Term

Duration: From February 2025 to July 2025

Name of the Dravyaguna Departmental Faculty:

Dr. Apoorva Sangoram	Professor & HOD
Dr. Asmita Jadhav	Associate Professor
Dr. Sneha Kulkarni	Associate Professor
Dr. Pradnya Gathe	Associate Professor
Dr. Gauri Gangal	Assistant Professor

Sr. No	List of Topics	Term	Months	Lecture hours	Non-Lecture hours
1.	1. Bheshjavacharaniya (Criteria's to be considered for selection of drugs in vyadhis)	2	Feb 2025	12	6
2	2.1 Dravya (Drug) Nama-Guna-Karma Jnana Amalaki , Aragwadha , Arjuna	2	Feb 2025		10
3	Ashoka Ashwagandha Ativisha, Bilva ,Brahmi Ahiphena (NK), Ajamoda (DK)	2	March 2025	12	
4	Bala Beejaka Bhallataka Bharangi Bhrungaraja Bhumyamalaki Chandana Chitraka, Dadima Dhataki Dhamasa Eranda Gokshura Guduchi Guggulu Haridra Haritaki Hingu Jambu Jyotishmati Kanchanara Kantakari Kapikachhu Karkatshrungi	2	April 2025	14	
5	Jatamansi Katuki Khadira Kumari Kutaja Latakaranja Lodhra Agnimanth Apamarga (DK) Asthishrunkhala Bakuchi Bruhati Chakramarda Dhanyaka Ela Gambhari Japa Jatiphala Jeeraka (DK) Kalamegha Kampillaka Kulatha (NK) Kumkum Lajjalu Lavanga	2	May 2025- June 2025	10	
6	Madanphala Mandukaparni Manjishta Maricha Meshashrungi Methika Musta	2	June 2025- July 2025	6	
	Total Hours			54	16

Note : As per NCISM Alloted lectures are 46 hrs

As per calculation 54 lectures in II term which are extra (8) should be adjusted in practical and III term.

(Handwritten Signature)

Head of the Department
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Course/ Class: II Professional BAMS (2021) 2024-2025 December 2025 Appearing
Subject- Dravyaguna Vigyan Theory
Third Term

Duration From: August 2025 to December 2025

Name of the Dravyaguna Departmental Faculty:

1. Dr. Apoorva Sangoram HOD& Professor
2. Dr. Asmita Jadhav Associate Professor
3. Dr. Sneha Joshi Associate Professor
4. Dr. Pradnya Gathe Associate Professor
5. Dr. Gauri Gangal Assistant Professor

Sr.No	List of Topics	Term	Months	Lecture hours	Non- Lecture hours
1	Principles of General Pharmacology 11.11.1, 11.2,11.3, 11.4, 11.5. 11.6,11.7 11.8.11.9	3	August 2025	15	1
2	Mishraka Gana Mishrakagaa Its composition, guna karma and therapeutic uses. Brihatpanchamoola. Laghupanchamool Vallipanmol Kantakapanhmoola. Trinapanchamoola. Panchavalkala. Triphala. Trikatu. Trimada.	3	August 2025	6	2

	Chaturusana. Panchakola. Shadusana Chaturbeeja. Trijataka. Chaturajataka. Panchatikta. Chaturbhadra. Trikarshika.				
3	Nomenclatur of dravya as per Nighantu, Vedic taxonomy and Botany	3	Sep 2025	0	2
4	Prashasta Bheshaja, Bheshaja Pariksha and drug evaluation method with correlation as per Pharmacognos y	3	Sep 2025	1	2
5	Dravyasangrah ana and Drug collection methods as per GFCP (Good Field collection practices)	3	Sep 2025	1	0
6	Paper 2 Applied Dravyaguna 2.2 Dravya (Drugs) Nama -Guna- Karma-Jnana Nagkeshar Nimba Nirgundi Palasha Pashanabheda Patha Pippali Punarnava Rasna Rasona Sarapagandha Sairayak Sariva Shallaki Shalmali(Mocharasa)Shankhapushpi Shatavari Shigru Shunthi	3	Sep 2025 Oct 2025 Nov 2025	29	20

	Talisapatra (NK) Trivrut Tulasi Twak Usheera Vacha Varuna Vasa Vatsanabh Vibhitaki Vidanga Yashtimadhu				
7	GCP (Good cultivation practices), seed bank, conservation of medicinal plants, knowledge about RET (Rear, Endangered & Threatened) medicinal plants.	3	Nov 2025	1	0
8	Abhava Pratinidhi Dravya (substitutes)	3	Nov 2025	1	1
9	Classifications and techniques of aqueous and alcoholic extracts	3	Nov 2025	0	2
10	Adverse drug reaction and Pharmacovigilance with recent updates	3	Nov 2025	1	2
11	NMPB (National Medicinal Plant Board), CCRAS (Central Council of Research in Ayurveda Sciences), API (Ayurvedic Pharmacopeia of India),	3	Nov 2025	1	0

	GCTM (Global Centre for Traditional Medicine), PCIMH (Pharmacopeia Commission of Indian Medicine and Homeopathy)				
12	Vrikshayurveda and Ethno-medicine	3	Nov 2025	1	1
13	Network pharmacology and Bioinformatics	3	Nov 2025	1	1
Total Hours				58	34

Total Theory Hours

	Lecture Hours	Non Lecture Hours
I term	46	25
II term	46	16
III term	58	34
Total	150	75


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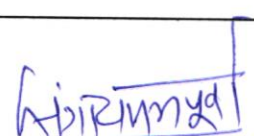
**Course/ Class: IInd Year BAMS(2021) 2024-2025 Batch: December 2025 Appearing
Subject- Dravyaguna Vigyan Practical Term: I From: September 2024 to January 2025**

First term

Name of the Dravyaguna Departmental Faculty:

1. Dr. Apoorva Sangoram HOD& Professor
2. Dr. Asmita Jadhav Associate Professor
3. Dr. Sneha Joshi Associate Professor
4. Dr. Pradnya Gathe Associate Professor
5. Dr. Gauri Gangal Assistant Professor

S.No	List of Topics	Hours
1	Assessment and Understanding the relation between Parthivatwa & subjective/ objective parametric tests	10
2	Assessment of objective parametric measures of Guna	12
3	Assessment of Rasa	6
4	Comparative organoleptic and macroscopic examination	23
5	Microscopic Identification of genuine and adulterated drug	4
6	Demonstration of skills to identify the medicinal plants in the college garden.	10
7	Out campus visit (Cultivated gardens, Tissue culture lab, Herbaria, Pharmacognosy lab, Quality control lab and Forest plant demonstration)	10
8	Dravya prayoga	12
	Total	87


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Second term

Name of the Dravyaguna Departmental Faculty:

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3. Dr. Sneha Joshi Associate Professor
4. Dr. Pradnya Gathe Associate Professor
5. Dr. Gauri Gangal Assistant Professor

S.No	List of Topics	Hours
1.	Physico-chemical study	8
2.	Phytochemical	4
3.	Thin Layer Chromatography (TLC) technique	2
4.	Demonstration of skills to identify the medicinal plants in the college garden	10
5.	13. Out campus visit (cultivated gardens & In-situ plant demonstration)	10
6.	14. Ekala dravya prayoga	10
7.	15. Different Cultivation technique including methods mentioned in Vrikshayurveda	6
	Total	50

Dr Apoorva Sangoram
Professor & HOD

Dravyaguna Department
Tilak Ayurved Mahavidyalaya,
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Head of the Department
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583/2, Rasta Peth, Pune-411011.

TILAK AYURVED MAHAVIDYALAYA

583/2, Rasta Peth, Pune 411011

ATP-UG

Course/ Class: IInd Year BAMS (2021) 2024-2025 Batch: December 2025 Appearing
Subject- Dravyaguna Vigyan Practical Term: III From: August 2025 to December 2025
Third term

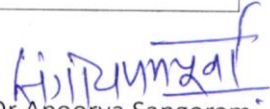
Name of the Dravyaguna Departmental Faculty:

1. Dr. Apoorva Sangoram HOD& Professor
2. Dr. Asmita Jadhav Associate Professor
3. Dr. Sneha Joshi Associate Professor
4. Dr. Pradnya Gathe Associate Professor
5. Dr. Gauri Gangal Assistant Professor

S.No	List of Topics	Hours
1.	Exercise on Network pharmacology	6
2.	Preparations of digital herbarium	2
3.	Demonstration of skills to identify the medicinal plants in the college garden	10
4.	Out campus visit (cultivated gardens & In-situ plant demonstration)	10
5.	Ekala dravya prayoga	10
	Total	38

Total Practical Hours

	Practical Hours
I term	87
II term	50
III term	38
Total	175


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