

**NCRD'S STERLING INSTITUTE OF PHARMACY,**  
**NERUL, NAVI MUMBAI**

**Innovative Methods by Faculty (A.Y 2021-22)**

<b>Sr. No.</b>	<b>Name of faculty</b>	<b>Innovative teaching method</b>	<b>Class and Sem (Syllabus)</b>	<b>Subject</b>	<b>Topic Title</b>	<b>Source (link / website)/course file</b>
1.	Dr.Suvarna Phadatare	Teaching through video (online lab)	Third Yr.B.Pharm Sem V (R-19)	Industrial pharmacy	Preparation of Paracetamol granules-Part 1 Vit C injection	<a href="https://www.youtube.com/channel/UCQjnDFDCozAgU2NPRBwN6lw">https://www.youtube.com/channel/UCQjnDFDCozAgU2NPRBwN6lw</a> <a href="https://www.youtube.com/watch?v=Te_VTY2ucwo">https://www.youtube.com/watch?v=Te_VTY2ucwo</a>
2.	Dr. Gitika Dhingra	Teaching through video (online lab)	S. Y. B. Pharm Sem III (R-19)	Physical Pharmaceutics- I	Experimental work of practical To determine the Freundlich and Langmuir constants using activated charcoal.	<a href="https://youtu.be/sL1z48oOES4">https://youtu.be/sL1z48oOES4</a>
		Teaching through video (online lab)	S. Y. B. Pharm Sem III (R-19)	Physical Pharmaceutics- I	Experimental techniques in practical determination of partition coefficient of Benzoic acid in benzene and water.	<a href="https://youtu.be/ACQfP0OhEHA">https://youtu.be/ACQfP0OhEHA</a>
3.	Dr. Archana Gorle	Flipped Classroom	T.Y. B.Pharm	Herbal Drug Technology	Case study on Curcuma	available in the Course file
4.	Mrs. Varsha Vaze	Flipped classroom (Classroom discussion and presentation)	Final Year B. Pharm, Sem VIII	Clinical Pharmacy	ICH-GCP guidelines, Thalidomide tragedy and Pharmacovigilance.	available in the Course file

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5.	Mrs. Vijaya S. Rode	Microbiology practicals conducted through videos.	S.Y.B.Pharm., Sem III (R 2019)	Microbiology Practical	Preparation of Smear Sterility Testing Preparation of Media Aseptic Technique Study of Microscope	<a href="https://youtu.be/zRjfy6M1LzM">https://youtu.be/zRjfy6M1Lz M</a> <a href="https://youtu.be/Z8AteA_930M">https://youtu.be/Z8AteA_930 M</a> <a href="https://youtu.be/EUOZINNZBu4">https://youtu.be/EUOZINNZ Bu4</a> <a href="https://youtu.be/tx3SC-5YPr8">https://youtu.be/tx3SC- 5YPr8</a> <a href="https://youtu.be/wn3wOBlnkRQ">https://youtu.be/wn3wOBlnk RQ</a>
6.	Mr.Pritish Kurumkar	Fliped Classroom	T.Y. B.Pharm	Biopharmaceutic s and Pharmacokinetic s	Bioavailability and Bioequivalence	Course file
7.	Shrikant Bahurupi	1)Video 2) flip classroom	F.Y.B.pharm F Y. B.pharm	Pharmaceutical inorganic chemistry	1)Limit test for iron 2)antacid therapy	YouTube video flip classroom
8.	Mrs. Kanishka Lakhmani	Flip Classroom	S.Y B. Pharm (IV Sem)	Pharmacognosy & Photochemistry Lab I	Determination of swelling index and foaming index.	Flip Classroom
9.	Dr. Preeti Chaudhary	Flip Classroom	S.Y B. Pharm (IV Sem)	Pharmacology-I	Receptor Families: G-Protein coupled receptor, Ion-channel receptor, Enzyme linked receptor & nuclear receptor	Flip Classroom

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1.	Dr. Suvarna Phadatare	Teaching through collaboration	Third Yr. B. Pharm Sem VI (CBCS)	Pharmaceutical Excipients	A discussion on review / research article focusing on use of selected excipient of syllabus	Course file
2.	Dr. Gitika Dhingra	Teaching through video (online lab)	S. Y. B. Pharm Sem III (R-19)	Physical Pharmaceutics- I	Experimental work of practical To determine the Freundlich and Langmuir constants using activated charcoal.	<a href="https://youtu.be/sL1z48oOES4">https://youtu.be/sL1z48oOES4</a>
		Teaching through video (online lab)	S. Y. B. Pharm Sem III (R-19)	Physical Pharmaceutics- I	Experimental techniques in practical determination of partition coefficient of Benzoic acid in benzene and water.	<a href="https://youtu.be/ACQfP0OhEHA">https://youtu.be/ACQfP0OhEHA</a>
3.	Mrs. MP.Jyothi	Video Assignments	Final Year B.Pharm Sem VII CBCS Third Year B.Pharm	Pharmaceutical Analysis III Pharmaceutical Analysis II	Thin Layer Chromatography  Photodetectors in UV Spectroscopy	<a href="https://edpuzzle.com/assignments/5f3906d35243523f1e19d47f/students">https://edpuzzle.com/assignments/5f3906d35243523f1e19d47f/students</a> <a href="https://edpuzzle.com/assignments/601a6b19f890e1426a91ff64/watch">https://edpuzzle.com/assignments/601a6b19f890e1426a91ff64/watch</a>
		Discussion	Final Year B.Pharm Sem VII CBCS	Pharmaceutical Analysis III	IEC & IPC	

**NCRD'S STERLING INSTITUTE OF PHARMACY,**  
**NERUL, NAVI MUMBAI**

4.	Dr. Gouri Palsokar	Teaching through video	Final Year B. Pharm, Sem VIII (CBCS)	NDDS Practical	Formulation of Buccal Film	video
5.	Mrs. Varsha Vaze	Flipped classroom - (Classroom group discussion)	Final Year B. Pharm, Sem VIII	Clinical Pharmacy	Importance of ICH-GCP guidelines and Pharmacovigilance.	Learning material provided for flipped classroom is available in the Course file
6.	Mrs. Vijaya S. Rode	Practicals conducted through video	S.Y.B.Pharm., Sem III (R 2019)	Microbiology practical	Preparation of Smear Sterility Testing Preparation of Media Aseptic Technique Study of Microscope	<a href="https://youtu.be/zRjfy6M1LzM">https://youtu.be/zRjfy6M1LzM</a> <a href="https://youtu.be/Z8AteA_930M">https://youtu.be/Z8AteA_930M</a> <a href="https://youtu.be/EUOZINNZBu4">https://youtu.be/EUOZINNZBu4</a> <a href="https://youtu.be/tx3SC-5YPr8">https://youtu.be/tx3SC-5YPr8</a> <a href="https://youtu.be/wn3wOBlnkRQ">https://youtu.be/wn3wOBlnkRQ</a>
7.	Mr.Pritish Kurumkar	Fliped Classroom	T.Y. B.Pharm	Biopharmaceutics and Pharmacokinetics	Bioavailability and Bioequivalence	Course file
8.	Mrs. Lawanya Pande	Teaching Through video	Third Yr. B. Pharm Sem V (CBCS)	Organic chemistry III	Audio ppt of heterocyclic compounds	<a href="https://youtu.be/Ms3sMcaRNpk">https://youtu.be/Ms3sMcaRNpk</a>

**NCRD'S STERLING INSTITUTE OF PHARMACY,**  
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**Innovative Methods by Faculty (A.Y 2019-20)**

Sr. No.	Name of faculty	Innovative teaching method	Class and Sem (Syllabus)	Subject	Topic Title	Source (link / website)/course file
1.	Dr. Gitika Dhingra	Problem based learning	T. Y. B. Pharm- Sem VI	Biopharmaceutics & P'cokinetics	Pharmaceokinetics Problem	Course File
2.	Mrs. M.P.Jyothi	Teaching through video	Third Year B.Pharm , Sem VI	Pharmaceutical Analysis II	X-Ray Diffraction Differential Thermal Analysis	<a href="https://youtu.be/hxi8EDsjB1E">https://youtu.be/hxi8EDsjB1E</a>
3.	Dr. Gouri Palsokar	Flipped Classroom	TY B Pharm, SemV, CBCS syllabus	Cosmeticology	Manufacturing of Lipsticks on large scale.	-
4.	Mrs. Vijaya S. Rode	demonstration	S.Y.B.Pharm. , Sem IV (CBCS)	Microbiology	Sterilization techniques, preparation of media, smear, isolation of pathogens from saliva, identification of bacterial growth.	-
5	Dr. Archana Gorle	Teaching through video (online lab)	S.Y.B.Pharm. , Sem IV	Pharmacognosy & phytochemistry practical	Ash value determination of crude drug	<a href="https://youtu.be/SR5Ti89TP-Y">https://youtu.be/SR5Ti89TP-Y</a>
		Fliped Classroom	F. .Y. B.Pharm	Environmental Science	Air Pollution	Course file

**NCRD'S STERLING INSTITUTE OF PHARMACY,**  
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6.	Mr.Pritish Kurumkar	Fliped Classroom	T. Y. B.Pharm	Pharmaceutical Excipients	Conventional Excipients: Magnesium Stearate, Starch, Talc	Course file
7.	Mrs. Lawanya Pande	Teaching Through video	S. Y. B. Pharm. , Sem III (CBCS)	Organic chemistry	1.Easy trick to understand chirality in carbon molecules 2. Resonating structure of aniline	1. <a href="https://youtu.be/THrn3mSd2NQ">https://youtu.be/THrn3mSd2NQ</a> 2. <a href="https://youtu.be/8kelssm8POM">https://youtu.be/8kelssm8POM</a>

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**Innovative Methods by Faculty (A.Y 2018-19)**

<b>Sr. No.</b>	<b>Name of faculty</b>	<b>Innovative teaching method</b>	<b>Class and Sem (Syllabus)</b>	<b>Subject</b>	<b>Topic Title</b>	<b>Source (link / website)/course file</b>
1.	Dr.Suvarna Phadatare	Cross over teaching- (Field trip to Apollo hospital, Navi Mumbai.)	First Y B.Pharm, Sem II (CBCS)	Hospital pharmacy and drug stores management	Hospital Pharmacy- Administration, Operations and Storage of medicines and Central supply	Course file
2.	Mrs. Varsha Vaze	Flipped classroom (Classroom group discussion)	Final Year B. Pharm, Sem VIII	Clinical Pharmacy	Principles of Good Clinical Practices.	Learning material provided for flipped classroom is available in the Course file
3.	Mr.Pritish Kurumkar	Fliped Classroom	T.Y. B.Pharm	Pharmaceutical Excipients	Conventional Excipients: Magnesium Stearate, Starch, Talc	Course file