


Action taken Report

On

Academic Monitoring Committee Meeting Held on 17/10/2014

Implementation and Monitoring

Point	Action Taken
1. Minutes of last meeting were confirmed and detailed report has been prepared	
2. Completion of syllabi for internal and University examination	In consultation with subject in charge, each subject status was inquired. Moreover, probable dates of examinations bring in notice of students to prepare accordingly
3. Diwali vacation schedule	It was declared from 18/10/2014 to 27/10/2014
4. Schedule of internal theory and practical examination	The schedule was finalized immediately after the Diwali vacation
5. Schedule of University examination	The tentative dates for the University theory and practical dates were bring to the notice
6. Assessment of answer book	Notice was circulated regarding the assessment and declaration of the theory and practical marks immediately on next day after the completion of the theory and practical examination
7. Change in academic duties and class teacher	For next academic semester some changes were proposed for academic duties and class teacher
8. Criteria wise distribution of NAAC work	Criteria wise distribution of work related to the NAAC was carried out
9. Feedback conduction schedule	Feedback collection schedule was declared for the syllabi of B. Pharm I, III, V and VII sem students of 2014-15 academic session


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Action taken Report

On

Academic Monitoring Committee Meeting Held on 06/12/2014

Implementation and Monitoring

Point	Action Taken
1. Minutes of last meeting were confirmed and detailed report has been prepared	
2. Time table for even semester	Second term time table was circulated and tentative dates for internal as well as University examinations
3. Academic portfolio and duties allotment	Different academic portfolio and duties allotted to various faculty members.
4. Weekly teaching plan	Weekly teaching plan is circulated among students through What's App groups one week prior to prepare accordingly
5. Schedule of University examination	The tentative dates for the University theory and practical dates were bring to the notice


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Action taken Report

On

Academic Monitoring Committee Meeting Held on 15/01/2015

Implementation and Monitoring

Point	Action Taken
1.Minutes of last meeting were confirmed and detailed report has been prepared	
2. Vision and Mission Statements	Vision and Mission statement of the Institute is approved and displayed at all suitable places in the Institute
3. Course outcome and Program Education Outcome and Program Outcome	Faculty members were asked to write the objectives of the subject syllabus and details of the CO, PEO and PO in the academic diary
4. Criteria wise NAAC	All faculty members were discussed the progress of the NAAC related work with Dr. AA Shirkhedkar.
5.Feedback Schedule	All class teachers were instructed to carry out the collection of the feedback from B. Pharm students of II, IV, VI and VIII sem for even students of 2014-15 academic session second
6. Feedback analysis	All the teachers were instructed to use newer techniques of the teaching such as ICT base lecture. So that the subjects understanding will be improved in students.


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Action taken Report

On

Academic Monitoring Committee Meeting Held on 09/03/2015

Implementation and Monitoring

Point	Action Taken
1. Minutes of last meeting were confirmed and detailed report prepared	
2. Feedback analysis	All the teachers were instructed to use newer techniques of the teaching such as ICT based lectures. So that the subjects understanding will be improved in students of II, IV and VI and VIII semester
3. Summer vacation	Detailed schedule of the summer vacation was declared.
4. Maintenance of academic diary and local guardian diary	All faculty members academic diary and local guardian diary verified weekly by concerned Head of the Department for updates.
5. Maintenance of record of academic Portfolios	Appointment of class co-ordinator, class teacher and other duties are bring in notice of all concerned faculty and they are informed to observe academic activities and maintain record of all activities. They are informed to report their activities to vice principal on regular basis.


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Action taken Report

On

Academic Monitoring Committee Meeting Held on 29/06/2015

Implementation and Monitoring

Point	Action Taken
1. Minutes of last meeting were confirmed and detailed report has been prepared	
2. Feedback collection procedure	All class teachers were instructed to carry out the collection of the feedback from B. Pharm students of I, III, V and VII sem for even students of 2015-16 academic session.
3. Details of academic calendar of 2015-16	Discussed academic calendar for 1 st sem of academic year 2015-16 and also overviews about tentative dates for internal as well as university examination was discussed
4. Academic portfolio	Principal, Dr. S J Surana discussed about different academic portfolio and duties allotment. He also declared appointment of class teachers and in charge for academic year 2015-16
5. Attendance of students	All class teachers instructed to identify students not attending regular classes and talk to parents.


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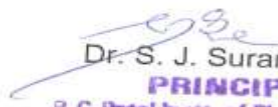
Action taken Report

On

Academic Monitoring Committee Meeting Held on 07/10/2015

Implementation and Monitoring

Point	Action Taken
1. Minutes of last meeting were confirmed and detailed report has been prepared	
2. Completion of syllabi for internal and University examination	In consultation with subject in charge, each subject status was inquired. Moreover, probable dates of examinations bring in notice of students to prepare accordingly
3. Diwali vacation schedule	It was declared from 8/11/2014 to 14/11/2014
5. Schedule of University examination	The tentative dates for the University theory and practical dates were bring to the notice
6. Assessment of answer book	Notice was circulated regarding the assessment and declaration of the theory and practical marks immediately on next day after the completion of the theory and practical examination
7. Change in academic duties and class teacher	For next academic semester some changes were proposed for academic duties and class teacher
8. Criteria wise distribution of NAAC work	Criteria wise distribution of work related to the NAAC was carried out


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Action taken Report

On

Academic Monitoring Committee Meeting Held on 05/12/2015

Implementation and Monitoring

Point	Action Taken
1. Minutes of last meeting were confirmed and detailed report has been prepared	
2. Time table for even semester	Second term time table was circulated and tentative dates for internal as well as University examinations
3. Academic portfolio and duties allotment	Different academic portfolio and duties allotted to various faculty members. New appointment of class teachers and incharge for academic year 2015-16 was done
4. Weekly teaching plan	Weekly teaching plan is circulated among students through What's App groups one week prior to prepare accordingly
5. Schedule of University examination	The tentative dates for the University theory and practical dates were bring to the notice
6. Feedback analysis report	All the teachers were instructed to use newer techniques of the teaching such as ICT based lectures, use of newer tools to make participative lecture by students of I, III, V and VII sem


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Action taken Report

On

Academic Monitoring Committee Meeting Held on 20/02/2016

Implementation and Monitoring

Point	Action Taken
1. Minutes of last meeting were confirmed and detailed report prepared	
2. Feedback collection schedule	All class teachers were instructed to carry out the collection of the feedback from B. Pharm students of II, IV, VI and VIII sem for even students of 2015-16 academic session
3. Maintenance of academic diary and local guardian diary	All faculty members academic diary and local guardian diary verified weekly by concerned Head of the Department for updates.
4. Maintenance of record of academic Portfolios	Appointment of class co-ordinator, class teacher and other duties are bring in notice of all concerned faculty and they are informed to observe academic activities and maintain record of all activities. They are informed to report their activities to vice principal on regular basis.


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Action taken Report

On

Academic Monitoring Committee Meeting Held on 18/06/2016

Implementation and Monitoring

Point	Action Taken
1. Minutes of last meeting were confirmed and detailed report has been prepared	
2. Feedback collection procedure	All class teachers were instructed to carry out the collection of the feedback from B. Pharm students of I, III, V and VII sem for even students of 2016-17 academic session.
3. Details of academic calendar of 2015-16	Discussed academic calendar for 1 st sem of academic year 2016-17 and also overviews about tentative dates for internal as well as university examination was discussed
4. Academic portfolio	Principal, Dr. S J Surana discussed about different academic portfolio and duties allotment. He also declared new appointment of class teachers and in charge for academic year 2016-17
5. Attendance of students	All class teachers instructed to identify students not attending regular classes and talk to parents.


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Action taken Report

On

Academic Monitoring Committee Meeting Held on 14/10/2016

Implementation and Monitoring

Point	Action Taken
1. Minutes of last meeting were confirmed and detailed report has been prepared	
2. Completion of syllabi for internal and University examination	In consultation with subject in charge, each subject status was inquired. Moreover, probable dates of examinations bring in notice of students to prepare accordingly
3. Diwali vacation schedule	It was declared from 27/10/2016 to 4/11/2016
5. Schedule of University examination	The tentative dates for the University theory and practical dates were bring to the notice
6. Assessment of answer book	Notice was circulated regarding the assessment and declaration of the theory and practical marks immediately on next day after the completion of the theory and practical examination
7. Change in academic duties and class teacher	For next academic semester some changes were proposed for academic duties and class teacher
8. Criteria wise distribution of NAAC work	Criteria wise distribution of work related to the NAAC was carried out
9. Feedback analysis report	All the teachers were instructed to use newer techniques of the teaching such as ICT based lectures, use of newer tools to make participative lecture by students of I, III, V and VII sem


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Action taken Report

On

Academic Monitoring Committee Meeting Held on 13/12/2016

Implementation and Monitoring

Point	Action Taken
1. Minutes of last meeting were confirmed and detailed report has been prepared	
2. Time table for even semester	Second term time table was circulated and tentative dates for internal as well as University examinations was also circulated
3. Academic portfolio and duties allotment	Different academic portfolio and duties allotted to various faculty members. New appointment of class teachers and incharge for academic year 2016-17 was done
4. Weekly teaching plan	Weekly teaching plan is circulated among students through What's App groups one week prior to prepare accordingly
5. Schedule of University examination	The tentative dates for the University theory and practical dates were bring to the notice


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Action taken Report

On

Academic Monitoring Committee Meeting Held on 03/03/2017

Implementation and Monitoring

Point	Action Taken
1. Minutes of last meeting were confirmed and detailed report prepared	
2. Internal and University Examination	Committee discuss about completion of syllabus for Internal and University Examination and most probable dates for both examination were also discussed
3. Regarding academic duties	Principal, Dr. S J Surana discussed about different academic portfolio and duties allotted. He also took the review of the work done under each of the allotted portfolio.
4. Conduction of one day workshop related to the suggestions, discussion and possible changes in existing NMU Syllabus and PCI new syllabus of Pharmaceutics and QA and Pharmacology and Medicinal chemistry	One day workshop related to the suggestions, discussion and possible changes in existing NMU Syllabus and PCI new syllabus of Pharmaceutics, QA, and Medicinal chemistry was conducted on 09/03/2017 and for Pharmacology it was conducted on 11/03/2017. The detailed reports of changes in Pharmaceutics, QA, and Pharmacology and Medicinal chemistry were communicated to the Assistant Registrar, North Maharashtra University, Jalgaon. The details are attached below

Report

One day workshop on proposed syllabus for B.Pharm and M.Pharm for subject Pharmaceutics and Quality Assurance was held on **9th March 2017** at R.C.Patel Institute of Pharmaceutical Education and Research, Shirpur Dist -Dhule

Following faculty members of various institutes were present for workshop

Sr. No	Name of Faculty Member	Institute or College Name
1.	Dr. H. S. Mahajan	RCPIPER, Shirpur
2.	Dr. P. K. Deshmukh	HRPIPER, Shirpur
3.	Dr. L. R. Zawar	HRPIPER, Shirpur
4.	Mr. V. K. Chatap	HRPIPER, Shirpur
5.	Dr. B. W. Tekade	LMCCOP, Faizpue
6.	Mr. T. D. Fegade	SES, A COP Mamurabad
7.	Mr. K. D. Baviskar	Smt. S. S. Patil COP Chopada
8.	Dr. P. P. Nerkar	RCPIPER, Shirpur
9.	Dr. S. S. Chalikwar	RCPIPER, Shirpur
10.	Mr. R.M. Surawanshi	KVPSIPE, Boradi
11.	Mr. V. V. Agnihotri	RCPIPER, Shirpur
12.	Mr. W. G. Shaikh	JES'SCOP Nandurbar
13.	Mr. S. N. Jain	JES'SCOP Nandurbar
14.	Mr. T. J. Shaikh	ARACOP, Nagaon, Dhule
15.	Mr. Siraj Shaikh	Al. Allana COP Akkalkuwa
16.	Mr. S. A. Tadavi	PSVPM'S COP Shahada
17.	Dr. P. P. Ige	RCPIPER, Shirpur
18.	Dr. A. P. Gorle	RCPIPER, Shirpur
19.	Mr. U. U. Laddha	RCPIPER, Shirpur
20.	Dr. Y. O. Agrawal	RCPIPER, Shirpur
21.	Mrs. S. S. Mandan	RCPIPER, Shirpur
22.	Mr. R. O. Sonawane	RCPIPER, Shirpur
23.	Mr. R. S. Bhaskar	RCPIPER, Shirpur
24.	Mrs. Monika Oia	RCPIPER, Shirpur
25.	Mr. A. D. Kulkarni	RCPIPER, Shirpur
26.	Mr. C. V. Pardeshi	RCPIPER, Shirpur
27.	Ms. N. L. Patil	RCPIPER, Shirpur

During workshop following suggestions were made by participants

1. Providing equivalent subjects –

Discussion on providing equivalent subject to old subject from proposed syllabus held and list of equivalent subjects was prepared accordingly.

For following two subjects no equivalent subject is suggested by participants.

1. T 4.7.1Pharmaceutics-VIII (Pharmaceutical Technology -II)

2. T4.7.6 Pharmaceutical Industrial Management

B. Pharm

NMU Syllabus		PCI Syllabus	
Subject code	Subject	Subject code	Subject
Semester-I			
T.1.1.1.	Pharmaceutics-I (Dispensing Pharmacy)	BP103T	Pharmaceutics-I Theory
Semester-II			
T.1.2.1.	Pharmaceutics-II (Unit Operation)	BP304T	Pharmaceutical Engineering-Theory
Semester-III			
T.2.3.1.	Pharmaceutics-III (Physical Pharmacy-I)	BP302T	Physical Pharmaceutics –I Theory
Semester-IV			
T.2.4.1.	Pharmaceutics-IV (Physical Pharmacy-II)	BP403T	Physical Pharmaceutics –II Theory
T.2.4.2	Pharmaceutical Microbiology	BP303T	Pharmaceutical Microbiology -Theory
T.2.4.4	Pharmaceutics-V (Hospital Pharmacy)	BP703T	Pharmacy Practice - Theory
Semester-V			
T3.5.2.	Pharmaceutics-VI (Pharmaceutical Technology -I)	BP502T	Formulation Pharmacy-Theory
Semester-VI			
T3.6.2	Pharmaceutics-VII (Bio pharmaceutics & Pharmacokinetics)	BP604T	Bio pharmaceutics & Pharmacokinetics Theory

T3.6.5	Pharmaceutical Jurisprudence & Ethics	BP505T	Pharmaceutical Jurisprudence Theory
Semester-VII			
T4.7.1	Pharmaceutics-VIII (Pharmaceutical Technology -II)		NOT Suggested
T4.7.6	Pharmaceutical Industrial Management	--	NOT Suggested
Semester-VIII			
T4.8.1	Pharmaceutics-IX	BP704T	Novel DRUG DELIVERY SYSTEM- Theory

M. Pharmacy Pharmaceutics

Sr. No	Subject code	Name of Subject	Subject code	Name of Subject
	NMU syllabus		PCI syllabus	
1	MT 100	Modern Analytical Techniques (T)	MPH101T	Modern Pharmaceutical Analytical Techniques
2	PH-101	Advanced Pharmaceutics –I	MPH102T	Drug Delivery System
3	M 14	Polymer Pharmaceutics		Not suggested
4	PH-201	Advanced Pharmaceutics-II	MPH103T	Modern Pharmaceutics
5	M 24	Novel Drug Delivery system	MPH201T	Molecular Pharmaceutics (Nano Tech and Targeted DDS)
6	MT-200	DRA and IPR	MPH104T	Regulatory Affair

M. Pharmacy Quality Assurance

Sr. No	Subject code	Name of Subject	Subject code	Name of Subject
	NMU syllabus		PCI syllabus	
1	MT 100	Modern Analytical Techniques (T)	MQA101T	Modern Pharmaceutical Analytical Techniques
2	QA-101	Quality Assurance –I	MQA103T	Quality Control and Quality Assurance
3	M 14	Polymer Pharmaceutics		Not suggested
4	QA-201	Quality Assurance –II	MQA202T	Pharmaceutical

				Validation
5	M 24	Novel Drug Delivery system	MPH201T	Molecular Pharmaceutics (Nano Tech and Targeted DDS)
6	MT-300	Research methodology & Biostat	MRM 301T	Research Methodology and Biostatistics*

2. Shifting of subject between semester-

Following subject shifting is proposed without altering total credits of semester

i. BP304 Pharmaceutical Engineering (Theory) and BP308 Pharmaceutical Engineering (Practical) shifted to SEM II and to be shifted with BP 203T and BP 209P Biochemistry.

3. Addition of new subject: Addition of Practical Subject for Biopharm and Pharmacokinetics at VI SEM has been proposed.

Following are details of contents of proposed subject

BIOPHARM PHARMACOKINETICS (Practical)

1. To study the disintegration of different types of tablets (conventional, immediate release, enteric coated)
2. To study the dissolution of conventional tablet
3. To study the dissolution of enteric coated tablet
4. To study the effect of pH of dissolution medium on dissolution profile of a drug in tablet
5. To study the effect of surfactant addition to dissolution medium on the dissolution profile of a drug in tablet
6. To study the effect of stirring on dissolution profile of a drug in tablet dosage form
7. To study the effect of polymorphism on dissolution profile of drug (aspirin)
8. To study the diffusion of drug using different semipermeable membranes (dialysis, cellophane)
9. To study the permeability using a drug by ex vivo method

10. To study the effect of permeation enhancer on permeability of drug by ex vivo method
11. To study the absorption of drugs using everted intestine sac technique
12. To determine protein drug binding of drug by equilibrium dialysis method
13. To determine the effect of albumin concentration on protein binding of drug
14. To study the urinary excretion of riboflavin in healthy volunteers
15. To determine Area Under the Curve (AUC) from plasma concentration time profile by Trapezoidal rule

4. Addition and justification of contents in individual subject- Subject wise addition and justification of contents is as follows

B. Pharm (Pharmaceutics)

Sr.NO	Sem	Sub. code	Subject	Suggestions
1.	I st	BP103T	Pharmaceutics-I Theory	<p>1. <u>Unit-I:</u> Add "Pricing of prescription" in third topic "Prescription".</p> <p><u>Unit-II:</u> Add "Types of containers" in first topic "Pharmaceutical calculations".</p>
	I st	BP109 P	Pharmaceutics-I Practical	<p>Add following practical (experiments) in the list:</p> <ol style="list-style-type: none"> 1. Introduction to Latin terms. 2. Introduction to weights and measures. 3. To study the handling of prescription. 4. Under heading of "Suspension": Include i) Pediatric chalk mixture ii) Magnesium trisilicate mixture 5. Under heading of "Semisolids" Include i) Benzoic acid ointment ii) Methyl salicylate ointment

2.	III rd	BP302T	Physical Pharmaceutics –I Theory	<ol style="list-style-type: none"> 1. Change title of UNIT-I instead of solubility of drug write Solubility and Dissolution 2. Change title of UNIT-IV instead of Complexation and protein binding write Complexation Phenomenon 3. In UNIT- II – Method for determination of crystallography, Liquefaction of gases and kinetic molecular theory of gases should be added
	III rd	BP306 P	Physical Pharmaceutics –I Practical	<p>Following practical should be added to list</p> <ol style="list-style-type: none"> 1. To perform in vitro diffusion study using Franz's diffusion cell across membrane 2. To determine particle size by Particle Size Distribution by the Anderson Pipette Method
3.	III rd	BP303T	Pharmaceutical Microbiology - Theory	No Suggestion
	III rd	BP307 P	Pharmaceutical Microbiology Practical	No Suggestion
4.	III rd	BP304	Pharmaceutical Engineering	Unit-I: Add "Continuous sedimentation tank" in third topic "Size separation".
	III rd	BP308	Pharmaceutical Engineering	<p>Experiment I: Change it to "Demonstration on Heat transfer by radiation".</p> <p>Experiment II: Change it to "Demonstration of steam distillation".</p> <p>Experiment II: Change it as "To study various heat transfer equipment".</p>

				<p>Experiment VI: Change it as “Determination of humidity of air from wet and dry bulb temperature using sling psychrometer”.</p> <p>Experiment VIII: Change it to “Operation of sieve shaker and size analysis by sieving method”.</p> <p>Experiment IX: Change it as “Experiment to illustrate the influence of size reduction”.</p> <p>Experiment X: Change it as “Demonstration of Ball mill, planetary mill, fluidized bed dryer, spray dryer and such other major equipment”.</p> <p>Experiment XII: Change it as “To re-crystallize the given sample and to study crystal habits”.</p> <p>Experiment XIII: Change it as “Demonstration on Double cone blender”.</p>
5.	IV th	BP403T	Physical Pharmaceutics – II Theory	<p>UNIT –II - Rheology</p> <ol style="list-style-type: none"> Negative thixotropy and Rheopexy Should be added List of viscometer should be mention for Newtonian (Ostwald viscometer and falling sphere viscometer) Non-Newtonian System (Cone and plate, cup and bob and Brookfield viscometers are should be added) <p>UNIT-V - Colloidal dispersion</p> <ol style="list-style-type: none"> Stability and instability of colloids <ul style="list-style-type: none"> Effect of electrolyte and protective colloids should mention under heading as stability of colloids.
	IV th	BP407P	Physical Pharmaceutics –	<ol style="list-style-type: none"> Expt.1 should be divided into two practical

			II Practical	<p>i.To determine surface tension of given liquids by drop count method ii.To determine surface tension of given liquids by drop count method. 2.Add- To study the Brookfield viscometer (demonstration).</p> <p>3. Add - To determine the concentration of binary mixture by Ostwald viscometer.</p> <p>List books add C.V.Subrmanyum</p>
6.	V th	BP502T	Industrial Pharmacy-I Formulative Pharmacy Theory	<p>Unit-II Addition Pellets: Introduction, formulation requirements, pelletization process, equipments for manufacture of pellets Liquid Oral- Sources and types of waters, Preparation of purified water IP</p> <p>Unit- III Addition In hard gelatin capsules “Filling methods and equipments” Remove and add in Unit II Pellets: Introduction, formulation requirements, pelletization process, equipments for manufacture of pellets</p> <p>Unit IV- Replacement Word “Injection” should replace by “Small volume parenterals” Addition b- Sterilization techniques d- IPQC of parenteral</p>
	V th	BP506P	Industrial Pharmacy-I Formulative Pharmacy Practical	<p>Modifications Experiment 5- Preparation and evaluation of antibiotic capsules Experiment 6- Preparation and evaluation of Calcium Gluconate injection Experiment 7- Preparation and evaluation of Ascorbic Acid injection</p> <p>Experiment 10- Preparation of Pellets by extrusion spheronization/</p>

				<p>Ionic gelation technique</p> <p>Experiment 11- Evaluation of Glass containers (as per IP) using powder glass and water attach test</p> <p>Additions</p> <p>Experiment 12- Sterility test of marketed formulation</p> <p>Experiment 13- Dissolution study of marketed tablet/capsule</p> <p>Experiment 14- Preparations and evaluation of liquid orals</p> <p>*All Evaluation should be carried out as per pharmacopoeia</p>
7.	V th	BP505T	Pharmaceutical Jurisprudence	<p>UNIT II- In Title include its Amendments</p> <p>UNIT II-PARA I-Add Schedule 'Q' with replacement of 'List of permitted colors'. Add word 'Introduction' to RTI Act.</p>
8.	VI th	BP604T	Bio pharmaceuticals & Pharmacokinetics	<p>Unit –I (13 Hours)</p> <p>Absorption and Distribution</p> <p>Unit-II</p> <p>Drug metabolism and excretion: Drug metabolism, metabolic pathways, renal excretion</p> <p>Unit -IV</p> <p>Multicompartment model (Note: No mathematical derivation should be asked in examination)</p> <p>Unit –V (04 Hours)</p> <p>Delete the word Biotransformation</p>
9.	VI th	BP606T	Quality Assurance	<p><u>Unit –II :</u> Equipment selection,</p>

				<p>purchase specification, maintenance, purchase specification (API and excipients), maintenance of stores for raw material</p> <p>Unit-IV: SOP (types)</p> <p>Book addition:</p> <ol style="list-style-type: none"> 1. Pharmaceutical Quality Assurance by Manohar A Potdar, Nirali Prakashan 2. Process validation by R. Nash 3. Standard Operating Procedures by H. Ali
10.	VII th	BP702T	Industrial Pharmacy-II	No suggestions
11.	VII th	BP 703 T	Pharmacy Practice	No suggestions
12.	VII th	BP704T	Novel Drug Delivery System	Unit-IV Nanotechnology and its Concepts add introduction to SLN,NLC, Polymeric micelles, polymeric nanoparticles
13.	VIII th	BP803ET	P, Marketing Management	No suggestions
14.	VIII th	BP804ET	Pharmaceutical Regulatory Science	No suggestions

M. Pharm Quality Assurance

Sem	Sub. code	Subject	Suggestions
I st	MQA102T	Quality Management System	No suggestions
I st	MQA103T	Quality Control and Quality Assurance	4. Documentation in pharmaceutical industry: Validation types, validation protocols, methodology and related GMP/ICH guidelines
I st	MQA104T	Product Development and Technology Transfer	No suggestions
I st	MQA105P	Pharmaceutical Quality Assurance Practical I	No suggestions
II nd	MQA201T	Hazards and Safety Management	No suggestions
II nd	MQA202T	Pharmaceutical Validation	No suggestions
II nd	MQA203T	Audits and Regulatory Compliance	No suggestions
II nd	MQA204T	Pharmaceutical Manufacturing Technology	No suggestions
II nd	MQA205P	Pharmaceutical Quality Assurance Practical -II	Experiment no.7: Qualification of following Pharma equipment (<u>at least two equipments</u>) a. Autoclave b. Hot air oven c. Powder Mixer (Dry) d. Tablet Compression Machine

M.Pharm Pharmaceutics

Sem	Sub. code	Subject	Suggestions
I st	MPH 102T	Drug Delivery System	Unit 4. Ocular Drug Delivery Systems: Preparation and evaluation of ocular insert to be added
I st	MPH 103T	Modern Pharmaceutics	No suggestions
I st	MPH 104T	Regulatory Affair	No suggestions
I st	MPH 105P	Pharmaceutics Practical I	No suggestions
II nd	MPH 201T	Molecular Pharmaceutics(Nano Tech and	2 Targeting Methods: Preparation and evaluation of polymeric nanoparticles, solid lipid nanoparticles, Nanostructured lipid carriers, micelles to be added
II nd	MPH 202T	Advanced Bio pharmaceutics	Unit 1 Title to be changed as ADME instead of Drug Absorption from the Gastrointestinal Tract. Add about introduction to Metabolism and excretion
II nd	MPH 203T	Computer Aided Drug Delivery system	No suggestions
II nd	MPH 204T	Cosmetic And Cosmeceuticals	No suggestions
II nd	MPH 205P	Pharmaceutics Practical II	Expt no 10. Pharmacokinetic and IVIVC data analysis by WinnolineR software or Kinetica software (suitable software)

Signature of co-ordinator

Minutes of meeting dated 11/03/2017 regarding B. Pharmacy and M. Pharmacy (Pharmacology and allied subjects) syllabus review as per the new revised norms of PCI

One- day workshop was conducted on 11/03/2017 to discuss about PCI syllabus framed under regulation 6, 7 and 8 of B. Pharmacy course regulations 2014 and M. Pharmacy course (based on notification in the Gazette of India no. 362, dated December 11, 2014).

The following points were unanimously decided and recommendations were framed for implementation.

1. Pathophysiology (Theory BP 204 T) to be shifted from Semester II to Semester III. Adjust the sequence of subject codes accordingly.
2. It was unanimously discussed that according to PCI syllabus all elective theory subjects should be kept in the syllabus and students should be given freedom to choose any elective out of given nine.
3. Since tutorial is assigned with credit point, tutorial hours should be considered as a part of work load hours and mention the same accordingly in time table.
4. The project work hours should be mentioned in the time table accordingly.
5. Contents and evaluation of Practice School should be finalized and informed to all stakeholders immediately.

Following members were present

Name	Designation	Institute	Signature
Dr. R.B. Patil	Co-ordinator	DCS ARA COP, Nagaon, Dhule	
Dr. C. R. Patil	Member	RCPIPER, Shirpur	
Dr. S.N. Goyal	Member	RCPIPER, Shirpur	
Mr. K.R. Patil	Member	HRPIPER, Shirpur	
Mr. S.P. Chaudhari	Member	IPE, Boradi	
Mr. Mohd. Hasib A.	Member	Ali Alana COP, Akkalkuwa	
Mr. H.P. Suryawanshi	Member	PSGVPM COP Shahada	
Dr. L. B. Borse	Member	PSGVPM COP Shahada	
Mr. TabrejMujawar	Member	Gangamai COP Nagaon	
Dr. P.R. Patil	Member	SES COP, Mamurabad	
Mr. T.P. Patil	Member	Smt.SSP COP, Chopda	
Dr. R.L. Shirole	Member	DCS ARA COP, Nagaon, Dhule	
Mr. H.V. Deore	Member	DCS ARA COP, Nagaon, Dhule	

The meeting ended with vote of thanks by Dr. R. B. Patil

Dr. R. B. Patil

**Co-ordinator Pharmacology
NMU, Jalgaon**



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Shri. Anurishbhal R. Patel
President (M.L.A.)

Dr. Sanjaykumar B. Bari
Principal (M.Pharm., Ph.D.)

Date: 16/03/2017

To,

The Assistant Registrar.

Board of Studies (Pharmacy),

North Maharashtra University, Jalgaon.

Subject: Regarding submission of report on one day workshop for suggestions and possible changes in existing NMU syllabus of Pharmaceutical Chemistry and Pharmaceutics with respect to new PCI syllabus.

Reference: Your letter dated 27/02/2017.

Dear Sir,

With reference to subject cited above and in response to your letter dated 27/02/2017; I had conducted workshop for Pharmaceutical Chemistry on 9th march 2017 at my institute and for Pharmaceutics and Quality Assurance at RCPHER, Shirpur. Total 16 and 27 staff members from various affiliated college were present for workshop Pharmaceutical Chemistry and Pharmaceutics respectively. For your perusal their suggestions and attendance for workshop is attached with this letter. Please accept the same and do the needful. Thanking you in anticipation.

Truly Yours.

Dr. Sanjay B. Bari
(क्यामहे नळ/प्रमुख पाठक/बहिष्प विभाग)
उत्तर महाराष्ट्र विद्यापीठ, जळगांव
पत्र मिळाले
स्वाक्षरी
दिनांक 16/03/17

Enclosures: - 1) Attendance Sheets
2) Detail report

Address: Karwand Naka, Shirpur Dist. Dhule (425 405) M.S. (India)
Contact: +91 2563-257599; +91 9049032111; +91 989023277
Email: principal@hrpatelpharmacy.co.in; registrar@hrpatelpharmacy.co.in
Website: www.hrpatelpharmacy.co.in



One day Workshop for Pharmaceutical Chemistry
 (For Suggestions, Discussion and possible changes in existing North Maharashtra University Syllabus and Pharmacy Council of India new Syllabus of Pharmaceutical Chemistry)

Attendance Sheet

Date: 09th March 2017

Sr. no.	Name of Faculty	College	Signature
1.	Mrs. S. L. Boyse	P.S.G.V.P.M.S COP, Shahada	[Signature]
2.	Dr. B. S. Bhathe	Smt. S. S. Patil COP, Chhapda.	[Signature]
3.	Dr. V. K. Redasani	R C Patel Instt of pharma edu. Co. Solapur	[Signature]
4.	Dr. N. L. Shirole	A.R.A. C.O.F. Dhule	[Signature]
5.	Prof. V. L. Badgwar	A.R.A. C.O.F. Dhule	[Signature]
6.	Mr. Arjun Ahmed	AACOP, Akkalkuwa	[Signature]
7.	Mr. Pankaj S. Patil	KVPSIPE Boradi	[Signature]
8.	D. A. Patil	HRPIPER Shirpur.	[Signature]
9.	Mr. K. R. Patil	Aeop, Mamnabadi, Jalgaon	[Signature]
10.	Dr. D. D. Patil	HRPIPER, Shirpur	[Signature]
11.	Dr. S. B. Patil	HRPIPER Shirpur	[Signature]
12.	Dr. A. A. Shrivastava	R.C.P.I.P.E.R, Shirpur	[Signature]
13.	Dr. P. O. Patil	HRPIPER, Shirpur	[Signature]
14.	Dr. H. M. Patil	R.C.P.I.P.E.R Shirpur	[Signature]
15.	Mr. Z. G. Khan	H.R.P.I.P.E.R, Shirpur	[Signature]
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Minutes of the workshop



One day Workshop for Pharmaceutical Chemistry

(For Suggestions, Discussion and possible changes in existing North Maharashtra University Syllabus and Pharmacy Council of India new Syllabus of Pharmaceutical Chemistry)

Suggestions from Pharmaceutical Chemistry Workshop held on 09th March 2017

1. Basics of chemistry must be from Semester I to semester IV hence implementation of medicinal chemistry subjects shall be from Third year i.e. Semester V as per following

Semesters	Subject name
V	Medicinal Chemistry I
VI	Medicinal Chemistry II
VII	Medicinal Chemistry III
VIII	Medicinal Chemistry IV (added newly as per suggestions)

2. Semester I subject BP102T. PHARMACEUTICAL ANALYSIS to be shifted to Semester IV in place of BP402T. MEDICINAL CHEMISTRY I
3. BP 811 ET. ADVANCED INSTRUMENTATION TECHNIQUES to be included in semester VIII as compulsory subject instead of Elective subject.
4. Addition of new subject: Addition of theory as well as practical Medicinal Chemistry for B. Pharmacy has been proposed in VIII sem.
5. Additions in contents of respective subjects shall be done as discussed in meeting during workshop.
6. Few modifications were suggested in Post Graduate Syllabus.
7. Addition and Justification of contents in individual subject: Subject wise addition and justification of contents is as follows.

B. Pharmacy (Pharmaceutical Chemistry subjects)

Sr. No.	Sem	Sub. Code	Subject	Suggestions
1.	Ist	BP102T.	Pharmaceutical analysis Theory	1. Change this subject to S Y B pharm for consideration of diploma students (DroD) It can be exchanged with subject POC-II from III sem. 2. In unit four for polarography discussion should be limited to principle only.

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One day Workshop for Pharmaceutical Chemistry

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Ist	BP108P	Pharmaceutical analysis Practical	I. limit test of organic medicinally important drugs for following II. Add preparation and standardization of hydrochloric acid.
Ist	BP104T	Pharmaceutical Inorganic Chemistry-I (Theory)	No Suggestions.
Ist	BP110P	Pharmaceutical Inorganic Chemistry-I (Practical)	V. Add Qualitative inorganic analysis of any two samples. II. Add ref. Inorganic medicinal and pharmaceutical chemistry Block, Roche, Soine, Wilson Indian Edition
IInd	BP202T	Pharmaceutical Organic Chemistry-I (Theory)	No Suggestions.
IInd	BP208T	Pharmaceutical Organic Chemistry-I (Practical)	2. Addition of phenol, amines, carboxylic acid, alcohol, carbonyl compounds for solid derivative preparation. 3. Construction of molecular model of structural isomers (minimum two experiments).
IInd	BP203 T	Biochemistry (Theory)	No Suggestions.
IInd	BP 209 P	Biochemistry (Practical)	No Suggestions.
IIInd	BP301T	Pharmaceutical Organic Chemistry-II (Theory)	1. Change this subject to S Y B pharm for consideration of diploma students (DioD) It can be exchanged with subject Pharmaceutical Analysis from I sem.
IIInd	BP305P	Pharmaceutical Organic Chemistry-I (Practical)	IV) Qualitative analysis of given organic binary mixture
IVth	BP401T	Pharmaceutical Organic Chemistry-III (Theory)	No Suggestions.
IVth	BP402T	Medicinal Chemistry-I (Theory)	Unit-I: add Ferguson Principle and Receptor: Introduction to drug receptor concept, theories of drug receptor, forces involved in drug receptor interaction, factors affecting Drug receptor interaction

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 <p align="center">One day Workshop for Pharmaceutical Chemistry (For Suggestions, Discussion and possible changes in existing North Maharashtra University Syllabus and Pharmacy Council of India new Syllabus of Pharmaceutical Chemistry)</p>				
				<p>Unit III: Add- Gargliconic Blocking agents- Trimethopham, Camsylate, mocamylamine</p> <p>Add - nonmuscular blocking agents- tubocurarine, galamine, succinic choline chloride.</p> <p>Unit IV and V Should be shifted to M chem II or can be exchange with Unit II and III of MChem II (BP501T).</p> <p>Topics Narcotic and non-narcotic analgesics Morphine and related drugs Narcotic antagonists and Anti-inflammatory agents should be included in new medicinal chemistry-IV subject.</p>
	IVth	BP406P	Medicinal Chemistry-I (Practical)	<p>I. Following Synthesis should be added.</p> <p>10 benzoic acid 11 benzophenone 12 Benzylideneacetophenone 13 Phenyl benzoate 14. Ortho-Iodobenzoic acid.</p> <p>II. IV) Microwave assisted synthesis of -</p> <p>1 Benzpinacole 2 Benzoic acid 3. 3- methyl- 1 -phenyl 5- pyrazolonone 4 Aspirin 5 Paracetamol 6 Benzil</p>
	Vth	BP501T	Medicinal Chemistry-II (Theory)	<p>1. Unit II and III Should be shifted to M chem II or can be exchange with Unit IV and V of MChem I (BP402T).</p> <p>2. Anticoagulant agents shifted to MC-III (BP601T).</p> <p>3. Topics Drugs acting on Endocrine system, Sex hormones, Drugs for erectile dysfunction, oral contraceptives, Thyroid and antithyroid drugs and Antidiabetic agents should be included in new medicinal chemistry-IV subject.</p>

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	Vllh	BP601T	Medicinal Chemistry-III(Theory)	1. Topics Introduction to Drug Design and Combinatorial Chemistry should be included in new medicinal chemistry-IV subject.
	Vllh	BP607P	Medicinal Chemistry-III (Practical)	I. add following synthesis 7. Methylsalicylate 8. acetylglycine 9. benzoglycine 10. 4-benzylidene-2-methyl oxazole-5-one 11. 4-benzylidene-2-phenyl oxazole-5-one 12. P-methylacetophenone. II As of drugs as per Pharmacopoeia. Unit IV and V should be included in new medicinal chemistry-IV practical.
	Vllh	BP701T	Instrumental methods of analysis	No suggestions.
	Vllh	BP705P	Instrumental methods of analysis	No suggestions.
	Vlllh	BP 811 ET	Advanced Instrumentation techniques	To be included in semester VIII as compulsory subject instead of Elective subject.

Signature

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Dr. S. J. Surana
PRINCIPAL
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Education & Research
Shirpur, Dist. Dhule 425 405


Action taken Report

On

Academic Monitoring Committee Meeting Held on 29/04/2017

Implementation and Monitoring

Point	Action Taken
1. Minutes of last meeting were confirmed and detailed report prepared	
2. Feedback collection schedule	All class teachers were instructed to carry out the collection of the feedback from B. Pharm students of II, IV, VI and VIII sem for even students of 2016-17 academic session
3. Maintenance of academic diary and local guardian diary	All faculty members academic diary and local guardian diary verified weekly by concerned Head of the Department for updates.
4. Maintenance of record of academic Portfolios	Appointment of class co-ordinator, class teacher and other duties are bring in notice of all concerned faculty and they are informed to observe academic activities and maintain record of all activities. They are informed to report their activities to vice principal on regular basis.
5. Industrial project evaluation	It is decided to inform students to submit report to training and placement department along with training certificate


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Action taken Report

On

Academic Monitoring Committee Meeting Held on 09/06/2017

Implementation and Monitoring

Point	Action Taken
1. Minutes of last meeting were confirmed and detailed report has been prepared	
2. Feedback collection procedure	All class teachers were instructed to carry out the collection of the feedback from B. Pharm students of I, III, V and VII sem for odd students of 2017-18 academic session.
3. Details of academic calendar of 2017-18	Discussed academic calendar for 1 st sem of academic year 2017-18 and also overviews about tentative dates for internal as well as university examination was discussed
4. Academic portfolio	Principal, Dr. S J Surana discussed about different academic portfolio and duties allotment. He also declared new appointment of class teachers and in charge for academic year 2017-18
5. Feedback analysis report	Feedback analysis report of II, IV, VI and VIII sem students of academic session 2016-17 was discussed and more emphasize given on the use of newer tools for the delivering lectures such as Smart board, ICT based lectures, MOODLE


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Action taken Report

On

Academic Monitoring Committee Meeting Held on 13/10/2017

Implementation and Monitoring

Point	Action Taken
1. Minutes of last meeting were confirmed and detailed report has been prepared	
2. Completion of syllabi for internal and University examination	In consultation with subject in charge, each subject status was inquired. Moreover, probable dates of examinations bring in notice of students to prepare accordingly
3. Diwali vacation schedule	It was declared from 15/10/2017 to 21/10/2017
5. Schedule of University examination	The tentative dates for the University theory and practical dates were bring to the notice
6. Assessment of answer book	All faculty members were instructed regarding the assessment and declaration of the theory and practical marks immediately on next day after the completion of the theory and practical examination
7. Criteria wise distribution of NAAC work	Criteria wise distribution of work related to the NAAC was carried out
8. Feedback analysis report	All the teachers were instructed to use newer techniques of the teaching such as ICT based lectures, use of newer tools to make participative lecture by students of I, III, V and VII sem


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Action taken Report

On

Academic Monitoring Committee Meeting Held on 16/06/2018

Implementation and Monitoring

Point	Action Taken
1. Minutes of last meeting were confirmed and detailed report has been prepared	
2. Feedback collection procedure	All class teachers were instructed to carry out the collection of the feedback from B. Pharm students of I, III, V and VII sem for odd students of 2018-19 academic session.
3. Details of academic calendar	Discussed academic calendar for 1 st sem of academic year 2018-19 and also overviews about tentative dates for internal as well as university examination was discussed
4. Academic portfolio	Principal, Dr. S J Surana discussed about different academic portfolio and duties allotment. He also declared new appointment of class teachers and in charge for academic year 2018-19
5. Feedback analysis report	Feedback analysis report of II, IV, VI and VIII sem students of academic session 2017-18 was discussed and more emphasize given on the use of newer tools for the delivering lectures such as Smart board, ICT based lectures, MOODLE


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Action taken Report

On

Academic Monitoring Committee Meeting Held on 08/09/2018

Implementation and Monitoring

Point	Action Taken
1. Minutes of last meeting were confirmed and detailed report has been prepared	
2. Completion of syllabi for internal and University examination	In consultation with subject in charge, each subject status was inquired. Moreover, probable dates of examinations bring in notice of students to prepare accordingly
5. Schedule of University examination	The tentative dates for the University theory and practical dates were bring to the notice
6. Assessment of answer book	All faculty members were instructed regarding the assessment and declaration of the theory and practical marks immediately on next day after the completion of the theory and practical examination
7. Criteria wise distribution of NAAC work	Criteria wise distribution of work related to the NAAC was carried out
8. Feedback analysis report	All the teachers were instructed to use newer techniques of the teaching such as ICT based lectures, use of newer tools such as MOODLE to make participative lecture by students of I, III, V and VII sem


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