Action Taken Report on Feedback of Stakeholders

Session (2020-21)

Program Name: Bachelor of Science (Hons)Specialization in Physics



Department of Sciences Faculty of Graduate Studies

Quantum University, Roorkee

Registrar Quantum University

Action Taken Report of the Department

(On the basis of the suggestions made by the IQAC and Super Specialty Groups of the

Departments on the Feedback of all stakeholder)

Action Taken Report			
	Department Name: Department of Sciences Feedback Session: 2020-21		
Code	Curriculum Design	Action taken during design of	
Code	Recommendation by Super Specialty Groups of the Department	Action taken during design of Syllabus for 2021-2024	
PH3141	R-2: Teaching learning process should be innovative and need effective lab delivery. Faculty willingness to involve practical knowledge for the students during lab. A rigorous pre preparation of lecture must be important.	Implementation and monitoring system of lesson plan for each course are done in QUMS.	
	Use of interactive / modern tools (like brain storming sessions, E-content, vedios, other Online platforms etc.) must be adopted for effective teaching learning process.	Implemented in QUMS	
CS3202	R-3: The content is good and as per the basic and advance topics of the subject and knowledge required to the students. Teaching learning process should be innovative and need effective course delivery.	Implemented	
PH3206	R-2: Content of the syllabus is relevant to students and justify the syllabus. Its need to explain with more practical examples. It is required to supply the handouts, reference materials (like PPT, vedios, Books etc) must be given to the class students previously.	Implemented	
CY3206	R-1: To improve the quality of content, lecture delivery with real world examples related to the topics. The current syllabus should be more focused on the current demand of the industry/ job/ higher education/ researched & innovation sectors.	More relevant topics are added in syllabus are per the current needs.	
PH3240	R-3: The lab structure must be mapped (like lecture plan, BL level, class notes etc) in ERP or other modern electronic tools by the faculty. Quality of content in assignment and other activity is relevant to students as per BL level of question given in assignment. Faculty should try to involve new teaching learning methods.	More interactive sessions are involved like video lectures, online content utilises to support interactive teaching process.	
CY3242	R-5: Faculty must ensure the process of assessment done and must be communicated to the students properly (like time line, BL level, pattern of evaluation, Online platform for learning etc.). The standard of lab work will be based on mapped BL level complexity of the experiment of the syllabus, which is the basis of CO	Implemented QLRC, online courses like NPTEL, Coursera etc employed for providing blended learning. Registrar Quantum University	

	attainment model adopted in the university.	
PH3306	R-3: Faculty need to prepare the interactive and planned contents for the delivery of lecture during class room lecture. Faculty must impart the information of new research currently going on with the subject related topics.	Implemented in QUMS.
PH3340	R-3: Teaching learning process should be innovative and need effective course delivery. Faculty willingness to involve teaching for the students during lab work. A rigorous pre preparation of lab must be important.	Implementation and monitoring system of lesson plan for each experiment are done in QUMS.
PH3406	R-5: Faculty must ensure the process of assessment done and must be communicated to the students properly (like time line, BL level, pattern of evaluation, Online platform for learning etc.). The standard of question paper will be based on mapped BL level complexity of the unit of the syllabus, which is the basis of CO attainment model adopted in the university.	Implemented QLRC, online courses like NPTEL, Coursera etc employed for providing blended learning.
PH3440	R-2: Use of interactive / modern tools (like brain storming sessions, E-content, vedios, other Online platforms etc.) must be adopted for effective teaching learning process.	Implemented in QUMS.
MA3440	R-1: To improve the quality of content, lecture delivery with real world examples related to the topics. The current syllabus should be more focused on the current demand of the industry/ job/ higher education/ researched & innovation sectors.	More relevant topics are added in syllabus are per the current needs.
PH3501	R-3: The content is good and as per the basic and advance topics of the subject and knowledge required to the students. Teaching learning process should be innovative and need effective course delivery.	Implemented
PH3502	R-3: Teaching learning process should be innovative and need effective course delivery. Faculty willingness to involve teaching for the students during delivery of lectures. A rigorous pre preparation of lecture must be important.	Implementation and monitoring system of lesson plan for each course are done in QUMS.
PH3514	R-3: Faculty need to prepare the interactive and planned contents for the delivery of lecture during class room lecture. Faculty must impart the information of new research currently going on with the subject related topics.	Implemented in QUMS.
PH3601	R-2: Use of interactive / modern tools (like brain storming sessions, E-content, vedios, other Online platforms etc.) must be adopted for effective teaching learning process.	Implemented in QUMS.
PH3602	R-3: Teaching learning process should be innovative and need effective course delivery. Faculty willingness	Implementation and monitoring system of lesson plan for each

	the involve transform for the students doutes dollars of	
	to involve teaching for the students during delivery of	course are done in QUMS.
	lectures. A rigorous pre preparation of lecture must be	
	important.	
PH3611	R-1: To improve the quality of content, lecture delivery	More relevant topics are added in
	with real world examples related to the topics. The	syllabus are per the current needs.
	current syllabus should be more focused on the current	
	demand of the industry/ job/ higher education/	
	researched & innovation sectors.	
PH3613	R-2: Content of the syllabus is relevant to students and	Implemented
	justify the syllabus. Its need to explain with more	
	practical examples. It is required to supply the	
	handouts, reference materials (like PPT, vedios, Books	
	etc) must be given to the class students previously.	
PH3641	R-3: Faculty need to prepare the interactive and	Implemented in QUMS.
	planned contents for the delivery of lab during class	
	room lecture. Faculty must impart the information of	
	new research currently going on with the related	
	topics.	
PH3650	R-3: Teaching learning process should be innovative	Implementation and monitoring
	and need effective course delivery. Faculty willingness	system of lesson plan for each
	to involve teaching for the students during delivery of	course are done in QUMS.
	lectures. A rigorous pre preparation of lecture must be	
	important.	
PH3671	R-4: The course structure must be mapped (like	Proper BL level are set for the
	lecture plan, BL level, class notes etc) in ERP or other	questions of assignment. More
	modern electronic tools by the faculty. Quality of	interactive sessions are involved
	content in assignment and other activity is relevant to	like video lectures, online content
	students as per BL level of question given in	utilises to support interactive
	assignment. Faculty should try to involve new teaching	teaching process.
	learning methods.	0 P

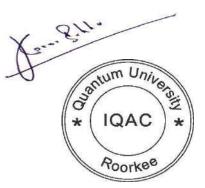
	Other Teaching Learning Aspects			
Overall Teaching	R-4: Teaching Skills should be improved through	Provision of real time		
Learning Process	hands-on workshop.	reporting on QUMS		
	R-5: Need continuous evaluation of the student.	implemented.		
	Pattern of Exam with new examination schemes as	Pattern of Exam & CO		
	suggested by UAC (like more online videos related	attainment as per new		
	to subjects, Online Quiz for lab and theory, open	examination schemes as		
	book exam etc.)	suggested by UAC get		
	R-13: Students should be encouraged for	implemented in QUMS.		
	participation on line competitions at			
	international/National of repute.			
Training of	R-4: Need advanced training (working on online	Implemented		
Teachers	teaching / learning app.) of teachers for online			
	protocols during COVID-19.	Registrar Quantum Hel		
		a danton University		

Peer Group Learning R-8: A2 assignments should be Mini project/ Research paper based for fast learners & topics based for slow learners Implemented Seminars & Workshops R-11: More guest lectures, Seminars & Workshops should be required for science students For Depth knowledge of the subject, Organised
based for slow learners Seminars & Workshops R-11: More guest lectures, Seminars & Workshops should be required for science students For Depth knowledge of the subject, Organised
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Workshops should be required for science students For Depth knowledge of the subject, Image: Constraint of the subject is a student of the student
knowledge of the subject,
Communication R-9: Online Group discussion & resume building Conducted & Presentations
Skills training needed for sciences students. Students assigned on different topics
must be giving presentations on any topic in every
individual course given by faculties.
Training for R-6: For grooming the personality of the students Scheduled, arranged &
Placements required two or three-week online training organised.
programs should be organised on Technical Skills.
Industrial Seminars & Workshops should be
organised.
Learning with R-10: Use of virtual lab related to the courses for Implemented
virtual lab online protocols. Tying up with learning virtual lab
platforms like Coursera, NPTL, IBM etc.
Orientation R-7: Detailed orientation program for new and Implemented
Program senior students should be conducted for giving
them information about semester related details.
Mentors should encourage students to choose
minor/ OE after due discussion with them
Interdisciplinary R-12: Students are interested in a career of Implemented
Approach interdisciplinary areas, can take courses from
other disciplines also. So range of Program
electives / open elective should be introduced
based on latest trend & technology.

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Deepak Singhal Faculty Incharge, University Feedback System

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Karan Babbar Coordinator, IQAC

Action Taken Report on Feedback of Stakeholders

Session (2020-21)

Program Name: Bachelor of Science (Hons) Specialization in Chemistry



Department of Sciences Faculty of Graduate Studies Registrar Quantum University, Roorkee



Quantum University

Action Taken Report of the Department

(On the basis of the suggestions made by the IQAC and Super Specialty Groups of the

Departments on the Feedback of all stakeholder)

Action Taken Report			
	Department Name: Department of Sciences Feedback Session: 2020-21		
Curriculum Design			
Code	Recommendation by Super Specialty Groups of the Department	Action taken during design of Syllabus for 2021-2024	
CY3205	R-3: Teaching learning process should be innovative and need effective course delivery . Faculty willingness to involve teaching for the students during delivery of lectures. A rigorous pre preparation of lecture must be important.	Implementation and monitoring system of lesson plan for each course are done in QUMS.	
CY3106	R-3: The content is good and as per the basic and advance topics of the subject and knowledge required to the students. Teaching learning process should be innovative and need effective course delivery.	Implemented	
CY3107	R-4: The course structure must be mapped (like lecture plan, BL level, class notes etc) in ERP or other modern electronic tools by the faculty. Quality of content in assignment and other activity is relevant to students as per BL level of question given in assignment. Faculty should try to involve new teaching learning methods .	Proper BL level are set for the questions of assignment. More interactive sessions are involved like video lectures; online content utilises to support interactive teaching process.	
CY3140	R-3 : The content is good and as per the basic and advance experimental and knowledge required to the students. Teaching learning process should be innovative and need effective lab delivery.	Implemented	
CY3141	R-2: Content of the syllabus is relevant to students and justify the lab experiments. Its need to explain with more practical examples. It is required to supply the handouts, reference materials (like PPT, vedios, Books etc) must be given to the class students previously.	Implemented	
PH3141	R-2: Use of interactive / modern tools (like brain storming sessions, E-content, vedios, other Online platforms etc.) must be adopted for effective teaching learning process.	Implemented in QUMS.	
MA3308	R-3: Faculty need to prepare the interactive and planned contents for the delivery of lecture during class room lecture. Faculty must impart the information of new research currently going on with the subject related topics.	Implemented in QUMS.	
PH3340	R-2: Use of interactive / modern tools (like brain storming sessions, E-content, vedios, other Online platforms etc.) must be adopted for effective teaching learning process.	Implemented in QUMS. Registrar Quantum University	

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CY3501	R-3: Faculty need to prepare the interactive and planned	Implemented in QUMS.
	contents for the delivery of lecture during class room lecture.	
	Faculty must impart the information of new research currently	
0/25.02	going on with the subject related topics.	
CY3502	R-2: Content of the syllabus is relevant to students and justify	Implemented
	the syllabus. Its need to explain with more practical examples.	
	It is required to supply the handouts, reference materials (like PPT, vedios, Books etc) must be given to the class students	
	previously.	
CY3511	R-1: To improve the quality of content, lecture delivery with	More relevant topics are
C13511	real world examples related to the topics. The current syllabus	added in syllabus are per
	should be more focused on the current demand of the	the current needs.
	industry/ job/ higher education/ researched & innovation	
	sectors.	
CY3601	R-5: Faculty must ensure the process of assessment done and	Implemented QLRC, online
	must be communicated to the students properly (like time line,	courses like NPTEL,
	BL level, pattern of evaluation, Online platform for learning	Coursera etc employed for
	etc.). The standard of question paper will be based on mapped	providing blended learning.
	BL level complexity of the unit of the syllabus, which is the basis	
	of CO attainment model adopted in the university.	
CY3602	R-3: The content is good and as per the basic and advance	Implemented
	topics of the subject and knowledge required to the students.	
	Teaching learning process should be innovative and need	
	effective course delivery.	
CY3611	R-3: Teaching learning process should be innovative and need	Implementation and
	effective course delivery. Faculty willingness to involve	monitoring system of
	teaching for the students during delivery of lectures. A rigorous	lesson plan for each course
CY3671	pre preparation of lecture must be important. R-2: Use of interactive / modern tools (like brain storming	are done in QUMS.
C120/1	sessions, E-content, vedios, other Online platforms etc.) must	Implemented in QUMS.
	be adopted for effective teaching learning process.	
CY3670	R-4: Quality of content in seminar and other activity is relevant	More interactive sessions
	to students as per BL level of question given in assignment.	are involved like video
	Faculty should try to involve new teaching learning methods.	lectures, presentation,
		online content utilises to
		support interactive

	Other Teaching Learning Aspects		
Overall	R-2: Teaching Skills should be improved through hands-on	Provision of real time	
Teaching	workshop.	reporting on QUMS	
Learning	R-5: Need continuous evaluation of the student. Pattern of	implemented.	
Process	Exam with new examination schemes as suggested by UAC	Pattern of Exam & CO	
	(like more online videos related to subjects, Online Quiz for lab	attainment as per	
	and theory, open book exam etc.)	new examination	
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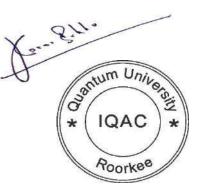
	R-9: Students should be encouraged for participation on line competitions at international/National of repute.	schemes as suggested by UAC get implemented in QUMS.
Training of Teachers	R-4 : Need advanced training (working on online teaching / learning app.) of teachers for online protocols during COVID-19.	Implemented
Peer Group Learning	R-8: A2 assignments should be Mini project/ Research paper based for fast learners & topics based for slow learners	Implemented
Seminars & Workshops	R-10: More guest lectures, Seminars & Workshops should be required for science students For Depth knowledge of the subject,.	Organised
Communication Skills	R-8: Online Group discussion & resume building training needed for sciences students. Students must be giving presentations on any topic in every individual course given by faculties.	Conducted & Presentations assigned on different topics
Training for Placements	R-6: For grooming the personality of the students required two or three-week online training programs should be organised on Technical Skills. Industrial Seminars & Workshops should be organised.	Scheduled, arranged & organised.
Learning with virtual lab	R-4: Use of virtual lab related to the courses for online protocols. Tying up with learning virtual lab platforms like Coursera, NPTL, IBM etc.	Implemented
Orientation Program	R-7: Detailed orientation program for new and senior students should be conducted for giving them information about semester related details. Mentors should encourage students to choose minor/ OE after due discussion with them	implemented

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Action Taken Report on Feedback of Stakeholders

Session (2020-21)

Program Name: Bachelor of Science (Hons) Mathematics



Department of Sciences Faculty of Graduate Studies Quantum University, Roorkee



Quantum University

Action Taken Report of the Department

(On the basis of the suggestions made by the IQAC and Super Specialty Groups of the

Departments on the Feedback of all stakeholder)

	Action Taken Report Department Name: Department of Scie	nces	
	Feedback Session: 2020-21		
	Curriculum Design		
Code	Recommendation by Super Specialty Groups of the Department	Action taken during design of Syllabus for 2021-2024	
EG3103	R-3: Faculty need to prepare the interactive and planned contents for the delivery of lecture during class room lecture. Faculty must impart the information of new research currently going on with the subject related topics.	Implemented in QUMS.	
CY3205	R-3: Teaching learning process should be innovative and need effective course delivery. Faculty willingness to involve teaching for the students during delivery of lectures. A rigorous pre preparation of lecture must be important.	Implementation and monitoring system of lesson plan for each course are done in QUMS.	
MA3106	R-1: To improve the quality of content, lecture delivery with real world examples related to the topics. The current syllabus should be more focused on the current demand of the industry/ job/ higher education/ researched & innovation sectors.	More relevant topics are added in syllabus are per the current needs.	
PH3106	R-2: Content of the syllabus is relevant to students and justify the syllabus. Its need to explain with more practical examples. It is required to supply the handouts, reference materials (like PPT, vedios, Books etc) must be given to the class students previously.	Implemented	
CY3106	R-5: Faculty must ensure the process of assessment done and must be communicated to the students properly (like time line, BL level, pattern of evaluation, Online platform for learning etc.). The standard of question paper will be based on mapped BL level complexity of the unit of the syllabus, which is the basis of CO attainment model adopted in the university.	Implemented QLRC, online courses like NPTEL, Coursera etc employed for providing blended learning.	
PH3141	R-10 : Teaching learning process should be innovative and need effective lab delivery. Faculty willingness to involve teaching for the students during laboratory work. A rigorous pre preparation of experiment must be important.	Implementation and monitoring system of lesson plan for each lab are done in QUMS	

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CY3140	R-2: Use of interactive / modern tools (like brain storming sessions, E-content, vedios, other Online platforms etc.) must be adopted for effective lab execution.	Implemented in QUMS.
PH3406	R-4: The course structure must be mapped (like lecture plan, BL level, class notes etc) in ERP or other modern electronic tools by the faculty. Quality of content in assignment and other activity is relevant to students as per BL level of question given in assignment. Faculty should try to involve new teaching learning methods.	Proper BL level are set for the questions of assignment. More interactive sessions are involved like video lectures, online content utilises to support interactive teaching process.
MA3440	R-3: Teaching learning process should be innovative and need effective lab delivery. Faculty willingness to involve teaching for the students during delivery of experiment.A rigorous pre preparation of lab must be important.	Implementation and monitoring system of lesson plan for each lab experiment are done in QUMS.
PH3440	R-5: Faculty must ensure the process of assessment done and must be communicated to the students properly (like time line, BL level, pattern of evaluation, Online platform for learning etc.). The standard of lab experiment will be based on mapped BL level complexity of the unit of the syllabus, which is the basis of CO attainment model adopted in the university.	Implemented QLRC, online courses like NPTEL, Coursera etc employed for providing blended learning.
CY3440	R-3: Faculty need to prepare the interactive and planned contents for the delivery of lab during laboratory work.Faculty must impart the information of new research currently going on with the subject related topics.	Implemented in QUMS.
MA3503	R-3: Teaching learning process should be innovative and need effective course delivery. Faculty willingness to involve teaching for the students during delivery of lectures. A rigorous pre preparation of lecture must be important.	Implementation and monitoring system of lesson plan for each course are done in QUMS.
MA3601	R-2: Use of interactive / modern tools (like brain storming sessions, E-content, vedios, other Online platforms etc.) must be adopted for effective teaching learning process.	Implemented in QUMS.
MA3602	R-1: To improve the quality of content, lecture delivery with real world examples related to the topics. The current syllabus should be more focused on the current demand of the industry/ job/ higher education/ researched & innovation sectors.	More relevant topics are added in syllabus are per the current needs.
MA3611	R-2: Content of the syllabus is relevant to students and justify the syllabus. Its need to explain with more practical examples. It is required to supply the handouts, reference materials (like PPT, vedios, Books etc) must be given to the class students previously.	Registrar Quantum University
MA3614	R-3: Teaching learning process should be innovative and need effective course delivery. Faculty willingness to involve teaching for the students during delivery of	Implementation and monitoring system of lesson plan for each course are done in QUMS.

	lectures. A rigorous pre preparation of lecture must be important.	
MA3670	R-5: Faculty must ensure the process of assessment done and must be communicated to the students properly for seminar (like time line, pattern of evaluation, Online platform for learning etc.). The standard presentation will be based on mapped BL level complexity of the unit of the syllabus, which is the basis of CO attainment model adopted in the university.	courses like NPTEL, Coursera etc employed for providing blended

Other Teaching Learning Aspects			
Overall Teaching	R-12: Students are interested in a career of		
Learning Process	interdisciplinary areas, can take courses from other	&Implemented	
	disciplines also. So range of Program electives /		
	open elective should be introduced based on latest		
	trend & technology.		
	Teaching Skills should be improved through hands-		
	on workshop.		
	R-13 : Project exhibition should be organised to		
	encourage students to do higher level projects.		
	Students should be encouraged for participation in National level competitions.		
Peer Group	R-8 : A2 assignments should be form of Mini	Implemented	
Learning	project/ Research paper presentation based for fast	Implemented	
Learning	learners& topics based assignment for slow		
	learners		
Seminars &	R-11: For Depth knowledge of the subject, guest	Organised	
Workshops	lectures, Seminars & workshops should be required	organised	
in on an opp	for science students.		
Communication	R-9: Seminars should be done on Group discussion	Conducted & Presentations	
Skills	& resume building. Students must be giving	assigned on different topics	
	presentations on any topic in every individual		
	course given by faculties.		
Training for	R-6: Two or three-weeks training programs should	Scheduled, arranged &	
Placements	be organised on Technical Skills. Industrial Seminars	organised.	
	& Workshops should be organised. Meeting with		
	Training placement officer should be organised.		
Industry	R-6: Industrial visit are essential to give students	Organised	
Focused	hand-on exposure and experience of how things	1 10	
programmes	and processes work in industries. Our institute		
	organizes such visits to enhance students' exposure	Registrar	
	to practical learning and work out for a report of	Quantum University	
	such a visit relating to their specific topic, course or	addition University	
	even domain.		

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Library Visit & QLRC	R-4 : Students may visit the library and utilises its resources Database and provided Online Public Access Catalogue (OPAC) through which users can be accessed from any of the computer connected in the LAN can know the status of the book.	
Orientation Program	R-7: Orientation should be conducted for senior batches and they should be well informed about their subjects teachers, books available, Mentors, planned activities in semester etc	Implemented

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