Action Taken Report on Feedback of Stakeholders

Session (2021-22)

Program Name: Bachelor of Science (Hons)Physics

Department of Sciences
Faculty of Graduate Studies
Quantum University, Roorkee

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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 TakenReport	
	Department Name: Department of Sciences	
	Feedback Session: 2021-22	
	Curriculum Design	
Code	**Recommendation by Super Specialty Groups of the Department**	**Action taken during design of Syllabus for 2022-2025**
PH3106	**R-2:** 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.
PH3141	**R-2:** Use of interactive / modern PRACTICAL SESSION tools (like brain storming sessions, VERTUAL LAB, E-content, vedios, other Online platforms etc.) must be adopted for effective teaching learning process.	Implemented in QUMS.
CS3202	**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.
MA3207	**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
PH3241	**R-3:** Faculty need to prepare the interactive and planned contents for the lab execution during class room lecture. Faculty must impart the information of new research currently going on with the subject related topics.	Implemented in QUMS.
CS3241	**R-2:** Content of the laboratory 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
PH3306	**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.
MA3308	**R-3:** Teaching learning process should be innovative and need effective course delivery. Faculty willingness to	Implementation and monitoring system of lesson plan for each

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	involve teaching for the students during delivery of lectures. A rigorous pre preparation of lecture must be important.	course are done in QUMS.
PH3340	**R-2:** Content of the syllabus of lab is relevant to students and justify the syllabus. Its need to explain with more practical examples. It is required to supply the different handouts of virtual laboratory, reference materials (like PPT, vedios, Books etc) must be given to the class students previously.	Implemented
CY3406	**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.
MA3406	**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
PH3440	**R-2:** 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.
MA3440	**R-4:** The course structure must be mapped (like lab 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.
PH3542	**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.
PH3670	**R-3:** The seminar topic given to the students should be 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

Other Teaching Learning Aspects		
Overall Teaching Learning Process	**R-4:** Teaching Skills should be improved through hands-on workshop. **R-5:** Need continuous evaluation of the student. Pattern of Exam with new examination schemes as	Provision of real time reporting on QUMS implemented. Pattern of Exam & CO

	suggested by UAC (like more online videos related to subjects, Online Quiz for lab and theory, open book exam etc.) **R-11**: Students should be encouraged for participation on line competitions at international/National of repute.	attainment as per new examination 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-9**: 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	**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

Deepak Singhal
Faculty Incharge,
University Feedback System

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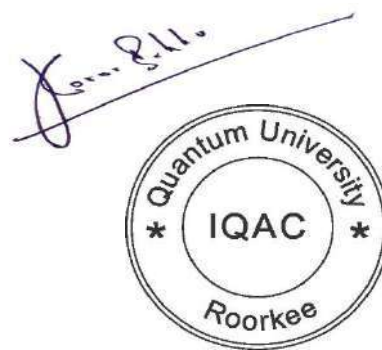
Karan Babbar
Coordinator, IQAC

Action Taken Report on Feedback of Stakeholders

Session (2021-22)

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

Department of Sciences
Faculty of Graduate Studies
Quantum University, Roorkee

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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)

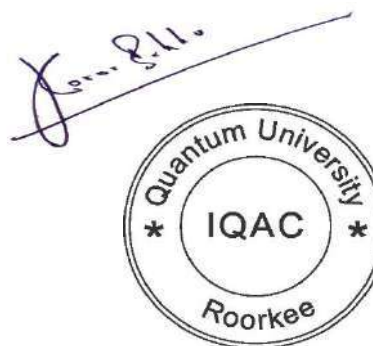|	Action TakenReport	
	Department Name: Department of Sciences	
	Feedback Session: 2021-22	
	Curriculum Design	
Code	**Recommendation by Super Specialty Groups of the Department**	**Action taken during design of Syllabus for 2022-2025**
EG3103	**R-5:** Faculty must ensure the process of assessment done 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.
CY3205	**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.
MA3107	**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-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.
EG3141	**R-3:** Faculty need to prepare the interactive and planned contents for the delivery of practical lab. Faculty must impart the information of new research currently going on with the subject related topics.	Implemented in QUMS.
CY3140	**R-2:** Content of the laboratory syllabus is relevant to students. Its need to explain with more practical examples. It is required to supply the reference materials (like PPT, vedios, Books etc) must be given to the lab class students previously.	Implemented
PH3141	**R-3:** Teaching learning process of lab session should be innovative and need effective course delivery. Faculty willingness to involve experimental techniques for the students during execution of lab. A rigorous pre preparation of lecture must be important.	Implementation and monitoring system of lesson plan for each course are done in QUMS.
CS3202	**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/	More relevant topics are added in syllabus are per the current needs.

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		higher education/ researched & innovation sectors.	
CS3241	**R-3:** The content is good and as per the basic and advance topics of the lab work and knowledge required to the students. Laboratory session should be innovative and need effective lab delivery.	Implemented
PH3306	**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.
PH3340	**R-4:** The lab structure of lab must be mapped (like lab plan, BL level, class notes etc) in ERP or other modern electronic tools by the faculty. Quality of content in lab and other activity is relevant to students as per BL level of lab assignment. Faculty should try to involve new teaching learning methods.	Proper BL level are set for the laboratory session. More interactive sessions are involved like video lectures, online content utilises to support interactive lab process.
CY3406	**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.
CY3440	**R-5:** Faculty must ensure the process of laboratory assessment done and must be communicated to the students properly (like time line, BL level, pattern of evaluation, Online platform for lab etc.).	Implemented QLRC, online lab like virtual lab employed for providing blended learning.
MA3440	**R-2:** Use of interactive / modern tools (like online sessions, E-content, vedios, other Online platforms etc.) must be adopted for effective laboratory process.	Implemented in QUMS.
CY3602	**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

Other Teaching Learning Aspects		
Overall Teaching Learning Process	**R-2**: Teaching Skills should be improved through hands-on workshop. **R-5:** Need continuous evaluation of the student. Pattern of Exam with new examination schemes as suggested by UAC (like more online videos related to subjects, Online Quiz for lab and theory, open book exam etc.) **R-9:** Students should be encouraged for participation on line competitions at international/National of repute.	Provision of real time reporting on QUMS implemented. Pattern of Exam & CO attainment as per new examination 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 *Registrar Quantum University*

Peer Group Learning	**AR-1:** A2 assignments should be Mini project/ Research paper based for fast learners & topics based for slow learners	Implemented
Seminars & Workshops	**AR-2:** More guest lectures, Seminars & Workshops should be required for science students For Depth knowledge of the subject,.	Organised
Communication Skills	**AR-1:** 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
Interdisciplinary Approach	**R-8**: Students are interested in a career of interdisciplinary areas, can take courses from other disciplines also. So range of Program electives / open elective should be introduced based on latest trend & technology.	Implemented

Deepak Singhal
Faculty Incharge,
University Feedback System

Registrar
Quantum University

Karan Babbar
Coordinator, IQAC

Action Taken Report on Feedback of Stakeholders

Session (2021-22)

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

Department of Sciences
Faculty of Graduate Studies
Quantum University, Roorkee

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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)
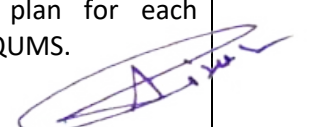
Action Taken Report		
Department Name: Department of Sciences		
Feedback Session: 2021-22		
Curriculum Design		
Code	**Recommendation by Super Specialty Groups of the Department**	**Action taken during design of Syllabus for 2022-2025**
EG3103	**R-3**: Teaching learning process should be innovative and 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.
CY3205	**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.
MA3106	**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.
MA3107	**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.
PH3106	**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.
CY3106	**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	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.

	new teaching learning methods.	
EG3141	**R-1:** To improve the quality of experiment, lab delivery with real world examples related to the experiment. The current laboratory syllabus should be more focused on the current demand of the industry/ job/ higher education/ researched & innovation sectors.	More relevant experiments are added in syllabus are per the current needs.
PH3141	**R-10**: The lab content is good and as per the basic and advance topics of the lab and knowledge required to the students. Teaching learning process should be innovative and need effective course delivery.	Implemented
CS3202	**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
MA3206	**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-3:** Faculty need to prepare the interactive and planned lab experiment contents for the delivery of lab during lab session and information of new research currently going on with the subject related topics.	Implemented in QUMS.
MA3501	**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
MA3570	**R-1:** To improve the quality of seminar presentation content, PPTs with real world examples related to the topics. The presentation should be more focused on the current demand of the industry/ job/ higher education/ researched & innovation sectors.	More relevant seminar topics are added as per the current needs.
MA3611	**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.
MA3670	**R-1:** To improve the quality of seminar presentation content, PPTs with real world examples related to	More relevant seminar topics are added as per the current needs.

	the topics. The presentation should be more focused on the current demand of the industry/ job/ higher education/ researched & innovation sectors.	
MA3671	**R-2:** Use of interactive / modern tools (like dissertations, projects, E-content, vedios, other Online platforms etc.) must be adopted for project & dissertation.	Implemented in QUMS.

Other Teaching Learning Aspects		
Overall Teaching Learning Process	**R-12:** Students are interested in a career of interdisciplinary areas, can take courses from other 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.	Introduced, Participated &Implemented
Peer Group Learning	**R-8**: A2 assignments should be form of Mini project/ Research paper presentation based for fast learners& topics based assignment for slow learners	Implemented
Seminars & Workshops	**R-11:** For Depth knowledge of the subject, guest lectures, Seminars & workshops should be required for science students.	Organised
Communication Skills	**R-9:** Seminars should be done on Group discussion & resume building. 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:** Two or three-weeks training programs should be organised on Technical Skills. Industrial Seminars & Workshops should be organised. Meeting with Training placement officer should be organised.	Scheduled, arranged & organised.
Industry Focused programmes	**R-6:** Industrial visit are essential to give students hand-on exposure and experience of how things and processes work in industries. Our institute organizes such visits to enhance students' exposure to practical learning and work out for a report of such a visit relating to their specific topic, course or even domain.	Organised
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	Implemented

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	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

Deepak Singhal
Faculty Incharge,
University Feedback System

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Quantum University

Karan Babbar
Coordinator, IQAC