

# Action Taken Report on Feedback of Stakeholders

Session (2022-23)

**Program Name: Bachelor of Computer Applications (B.C.A)**

A handwritten signature in blue ink, appearing to read 'A. K. L.', is written over a blue oval stamp.

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Department of Computer Application  
Faculty of Technology  
**Quantum University, Roorkee**

## 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)

<b>Action Taken Report</b>		
<b>Department Name: Department of Computer Applications</b>		
<b>Feedback Session: 2022-23</b>		
<b>Curriculum Design</b>		
<b>Code</b>	<b>Recommendation by Super Specialty Groups of the Department</b>	<b>Action taken during designing the syllabus of 2023-26</b>
<b>CA3101</b>	R-2: More topics can be added in the content of unit 1 to make the introduction part more detailed.	Revised the content in the syllabus of unit 1 with extra topics in the introduction.
<b>CA3106</b>	R-2: There are repeated topics in unit 1 and unit 2.	Revised the content in the syllabus of unit 1 and unit 2. The similarity between the topics has been removed.
<b>CA3141</b>	R-2: Some more programs can be added to the list for a better understanding of the concepts.	Updated the list of practicals and added some more programs on functions and pointers.
<b>CA3143</b>	R-2: Some programs on installations can be added in the List of practicals.	Revised the list of practicals as per the recommendations.
<b>CA3204</b>	R-2: The topics in the last unit about software maintenance can be arranged in a better order.	Updated the syllabus of unit 5 and arranged the topics as per the suggestions.
<b>CA3205</b>	R-2: The syllabus is lengthy to be covered within the defined duration of lectures.	Reviewed the syllabus and removed some repeated or unnecessary topics.
<b>MA3208</b>	R-2: Topics from errors and statistical analysis may be added in the syllabus.	Replaced the subject with a new subject Mathematics in Computer Applications and have incorporated the suggestions through the update.
<b>CA3247</b>	R-2: The list of programs may be updated by adding programs based on technologies useful for industry.	Revised the list of practicals by incorporating new experiments based on the topics meeting industry needs.
<b>CA3342</b>	R-2: Latest and more effective software is available in industry to conduct the experiments available in this course.	New Software has been installed as per the recommendation.
<b>CA3402</b>	R-2: The syllabus in starting units of the subject may sound more detailed for students at graduation level.	Revised the syllabus in unit 1 and unit 2. Also shifted the subject from 4 <sup>th</sup> semester to 6 <sup>th</sup> semester for upcoming batches.
<b>CA3441</b>	R-2: Experiments are not arranged in proper order and failing to go in sync with the order of the corresponding theory syllabus of this course	The list of practicals has been revised, as per the suggestions, to put the programs in proper order.

<b>CA3503</b>	<b>R-2:</b> Syllabus in unit 2 and unit-5 can be updated based on latest trends and technologies.	Updated the syllabus content in unit 2 and 3 by introducing some novice topics of recent trend and tech.
<b>CA3603</b>	<b>R-2:</b> The syllabus can be reviewed in order to revise in terms of more industry related topics.	Reviewed the syllabus and replaced certain topics with the topics of industry need.
<b>CA3605</b>	<b>R-2:</b> To increase the understanding of the course, more topics can be added in the syllabus.	Updated the syllabus in last units of the subject by adding certain more topics related to android app development.

<b>Other Teaching Learning Aspects</b>		
<b>Overall Teaching Learning Process</b>	<b>R-5:</b> MOOC courses, collaboration with Coursera, NPTL, and IBM must be promoted for online skill development. The new examination system, recommended by UAC, must be used to determine the exam pattern and CO achievement.	Incorporated the suggestion by introducing some MOOC courses in various semesters. The new test systems as advisedly UAC will be implemented to determine exam patterns and CO accomplishment. Feedback from students will be collected to make necessary changes in order to improve the overall teaching learning process.
<b>Peer Group Learning</b>	<b>R-3:</b> Student groups can be created. Weaker students might be thought of as slow learners, whereas brighter students can be thought of as advanced Learners. The students can then be handled according to their level of Knowledge.	Students will be divided into categories of fast and slow learners based on the Percentage of their marks. Research-focused exercises will be assigned to quick learners. Additional classes with handwritten notes and video lectures will be organized for slow learners.
<b>Workshops on Computer Hardware</b>	<b>R-6:</b> There can be workshops or sessions to impart understanding of the hardware structure of computer system. Students should be encouraged to participate in all related activities	Hardware Maintenance Lab is already there in the curriculum. In addition to this a workshop will be planned where the lab technicians will take a session on the topic of computer hardware.
<b>Communication Skills</b>	<b>R-4:</b> Seminars and sessions of group discussions must be organized frequently to provide the students a platform where they can practice the aspects of communication skills.	Seminars and Internship Presentations are part of the curriculum where students deliver presentations. However, more sessions on GD/ PI and flip topic presentations will be organized for the students.
<b>Training for Placements</b>	<b>R-7:</b> Sessions on imparting Technical Skills and training classes should be scheduled for two or three weeks. The Placement Officer can also be requested to take sessions for sharing	VACs are introduced where technical, analytical and behavioral expertise is cultivated into the students. It ensures the holistic development in their personality that further helps them fetch maximum

	the trends and requirements of the industry with the students.	benefit during placement drives.
<b>Orientation Program</b>	<b>R-1:</b> Elaborative and informed orientation program to be conducted for students of all semester	Orientation program for New and senior students has been conducted and detailed information about subjects, teachers, mentors, electives has been provided

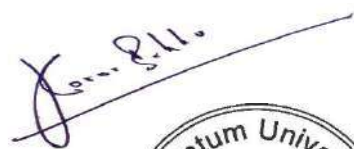

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Faculty Incharge,  
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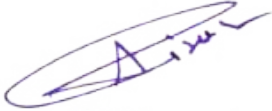
Karan Babbar  
Coordinator, IQAC

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**Program Name: Master of Computer Applications (M.C.A)**



  
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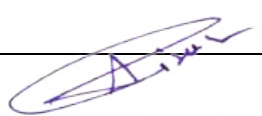
Department of Computer Application  
Faculty of Technology  
**Quantum University, Roorkee**

## 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)

<b>Action Taken Report</b>		
<b>Department Name: Department of Computer Application</b>		
<b>Feedback Session: 2022-23</b>		
<b>Curriculum Design</b>		
<b>Code</b>	<b>R-1 :Recommendation by Super Specialty Groups of the Department for course content and relevance</b>	<b>Action taken during designing the syllabus of 2023-25</b>
CA4104	The topics on software quality testing are missing. The syllabus can be enriched by incorporating some topics on software quality in the content of the syllabus.	Updated the conspectus in the curriculum by introducing Software Quality Management as a subject through program electives.
CA4140	Programs on socket programming may be added.	Revised the list of practical by adding program on socket programming.
CA4203	The content in the syllabus of unit 5 can be made more detailed.	Updated the syllabus content in unit5 by adding topics like parameter estimation.
CA4301	The topics on data visualization tools in unit 2 must be made more specific.	Revised the content in unit 2 according to the suggestions.
CA4307	Applications of CNN must also be added as a topic in the syllabus content of unit 2.	Updated the syllabus of unit 2 by adding applications of CNN as a topic.
CA4308	Some topics in unit 2 are repeated. The content in the syllabus of unit 3 is very lengthy.	Updated the content of unit 2 by eliminating the repetition. Also revised the content in unit 3 and removed some unnecessary topics.
CA4310	More topics on VMware can be added in the syllabus content of unit 5.	Updated unit 5 by adding topics like cloning of virtual machines.
CA4343	The list of programs may have more programs on PHP to let the students practice more on the concepts.	Revised the list of practicals by adding programs on session management in the list.
CA4401	More topics on data structures and loops in terms of R Programming can be incorporated in the syllabus.	Enriched the syllabus content in unit 2 and unit 3 by adding suggested topics.
CA4402	Topics on 3D user interfaces are repeated between unit 2 and unit 5.	Updated the syllabus by removing the similarity as per the suggestions.

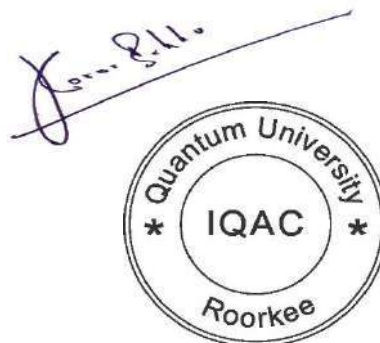
  
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<b>Other Teaching Learning Aspects</b>		
<b>Overall Teaching Learning Process</b>	<b>R-3:</b> Relevant web-based learning programs can be added to the curriculum. Also, QLRC can be utilized in more significant manner by sharing content of utility.	MOOC courses have been incorporated in various semesters. Also, learning material including hand written notes, video lectures etc. have been uploaded on QLRC.
<b>Peer Group Learning</b>	<b>R-2:</b> The fast learners can be assigned some assignment of advanced stage. The slow learners can be dealt with intent to bring them to levels of desired expectations.	On place of A2 assignments, the fast learners are given research papers, mini projects etc. that they work on under the supervision of faculty members. For slow learners, extra classes are scheduled where hand written notes and revision lectures are delivered to them.
<b>IT Enabled Literacy</b>	<b>R-8:</b> The curriculum can be supplemented by features that can make the students more familiar to IT work culture. There can be modules for the students that aim to help the students in cultivating ample industry exposure.	It has been made mandatory for the students to pursue trainings from concerned industry w.r.t.any novice technology. Also, industry visits will be organized for the students on more frequent basis.
<b>More practical exposure</b>	<b>R-9:</b> More and more practical exposure can be served to the students by having them more involved in the industry-oriented programs.	Physical summer internships, Boot Camps, Industrial visits etc. have been made important components of the curriculum with intent to deliver maximum practical exposure of the concerned domain.
<b>Training for Placements</b>	<b>R-5:</b> The students need be imparted with necessary skills that can effectively prepare them for fetching jobs through the recruitment process. Also, internships, value-added courses can be arranged for the students.	Interview Trainings in terms of communication skills, numerical ability, technical skills etc. will be arranged on regular basis for the students to make them perform more efficiently in recruitment process.
<b>Orientation Program</b>	<b>R-6:</b> An informative orientation program must be scheduled for the freshers where they can be made familiar to the environment at new college. Same may be conducted for the senior students as well to have them involved in their advance semester planning. Mentors to share necessary information with students during the session.	Implemented. Sessions have been scheduled for the fresher students where they will be made familiar to the teaching-learning environment practiced at campus.
<b>Guest Lectures</b>	<b>R-7:</b> Special session on human values and ethics, gender equality etc. to be conducted for sensitizing the students	Implemented  Registrar Quantum University

	about national issues.	
<b>Evaluation System</b>	<b>R-4:</b> Continuous checking of students' performance is required by executing effective and transparent evaluation system. Discussion post evaluation of mid-term papers and class test ay help in improvising the performance of students	All faculties has been suggested to discuss the mid term answer sheets and assignment after evaluation

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