

Action Taken Report on Feedback of Stakeholders

Session (2021-22)

**Program Name: Bachelor of Technology in Computer Science and
Engineering**



Department of Computer Science & Engineering
Faculty of Technology
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 Computer Science & Engineering		
Feedback Session: 2021-22		
Curriculum Design		
Code	R-1: Recommendation by Super Specialty Groups of the Department	Action taken during design of Syllabus for 2022-2026
ME3103	There should be introduction of sensors & robotics related topics must be needed in the syllabus as per the current trends in Unit-V	Related topics have been added in Unit-V as per the recommendation.
ME3145	Some topics should be added in Unit-V related Computer aided Drafting in this course, due to fulfil the requirement of Engineering as per latest technologies	Topics have been added in Unit-V as per the suggestions.
CS3301	Complexity & Hashing related topics should be added in Unit-I & Unit-V accordingly to understand data structure in proper way.	Complexity & Hashing related topics have been added in Unit-I & Unit-V as per the suggestions.
CS3307	Due to wrong order of syllabus, content delivery & course coverage is disturbed, So units must be arranged in proper order.	Unit-I, Unit-II, Unit-III, and Unit-IV & Unit-V have been arranged as per the suggestions.
CS3304	Shell script related topics must be introduced in Unit-V due to understanding Linux operating system in depth.	Shell script related topics have been added as recommendation.
CS3305	Syllabus should be updated based on latest trends & technologies.	Unit-V has been modified as per latest trend & technologies.
CS3340	C Programming should be used instead C++, the reason behind this is that most companies take placement test in C programming	C++ replaced by C programming as per recommendation.
CS3342	PL/SQL commands missing in syllabus as per latest trend PL/SQL constructs must be included in Syllabus	PL/SQL constructs added in Exp-12 as per recommendation.
CS3402	New wireless communication technologies must be introduced in Unit-V as per latest protocol available for communication.	Some latest new technologies like LTE have been introduced in Unit-V as per latest trend & technologies.
CS3504	Syllabus should be updated based on latest algorithm available due to meet the requirement of industry.	Unit-I, Unit-II, Unit-III & Unit-V have been modified as per latest trend & technologies.
CS3505	VMware & VMware virtualization introduced in Unit-V due to simulate the theoretical concepts in real.	Suggested topics have been introduced in Unit-V.


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CS3601	Some machine learning topics like supervised & unsupervised learning must be introduced in Unit-IV as per latest trend & technologies.	Suggested topics have been introduced in Unit-IV.
CS3603	Security in Distributed Operating System & different types of attacks like DOS missing in Syllabus, these topics must be included in syllabus due to Network communication.	Some topics introduced in Unit-IV & Unit-V
CS3701	Syllabus of Unit-V should be updated based on latest trends & technologies.	Unit-V has been modified as per latest trend & technologies.
CS3703	Syllabus Unit-II & Unit-V should be updated based on latest trends & technologies.	Unit-II & Unit-V have been modified as per latest trend & technologies.
CS3804	Syllabus of Unit-II should be updated based on latest trends & technologies.	Unit-II has been modified as per latest trend & technologies.
CS3806	Syllabus of Unit-I, Unit-II, Unit-II& Unit-IV should be updated based on latest trends & technologies.	Unit-I, Unit-II, Unit-II& Unit-IV have been modified as per latest trend & technologies.

Other Teaching Learning Aspects		
Overall Teaching Learning Process	<p>R-3: MOOC course promotion and collaboration with Coursera, NPTL, and IBM for online skill development.</p> <p>R-4: Exam pattern and CO achievement must be determined using the new examination systems recommended by UAC. It is necessary to develop student feedback for evaluating midterm progress. Collaborating with online learning environments like Coursera, NPTL, IBM, etc.</p>	It will be discussed how to promote MOOC courses and work with Coursera, NPTL, and IBM to develop online skills. The new test systems advised by UAC will be used to determine exam patterns and CO accomplishment. Feedback from students will be used to improve the midterm evaluation process.
Peer Group Learning	R-9: Concentrate on student skill development and international certification.	Global Certifications will be introduced to students to enhance their skills.
Workshops on Computer Hardware	R-7: Need of practical exposure of hardware structure of computer system.	Computer Hardware Maintenance workshop will be organize where lab technicians will explain hardware structure of computer system to students.
Communication Skills	R-2: Through exercises like internship presentations and topic-specific PowerPoint presentations that are continued online, students' communication abilities should be strengthened.	To improve students' communication skills, activities like internship presentations and topic-specific PowerPoint presentations will be planned.
Training for Placements	R-5: Students need online internships. Preparing students for internships and internet hiring. contacting human resources directors and other senior businesspeople for outreach	Students will learn about platforms for online internships. Students will have additional classes scheduled for placement training.

Extra Curriculum Activities	R-10: Students should be encouraged to participate in passion program, university events. R-8: Special Guest lecturers need to be conducted for sensitizing students about human values and ethics, gender equality etc	Implemented
Orientation Program	R-6: 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	One day focused session has been conducted as orientation program

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Engineering**



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Action Taken Report of the Department

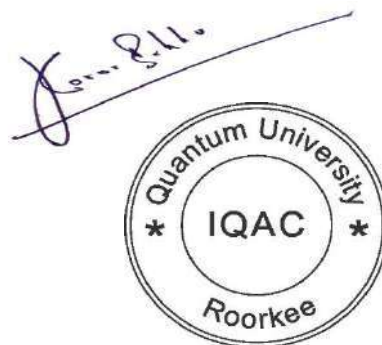
(On the basis of the suggestions made by the IQAC and Super Specialty Groups of the Departments on the Feedback of all stakeholder)

Action Taken Report		
Department Name: Department of Computer Science & Engineering		
Feedback Session: 2021-22		
Curriculum Design		
Code	R-1: Recommendation by Super Specialty Groups of the Department	Action taken during design of Syllabus for 2022-2024
CS4108	R-1: Course coverage is difficult due to pace of learning of students; Some topics of Unit-3 and Unit-5 should be removed.	Some unnecessary topics from Unit-3 and Unit-5 removed as per recommendation.
CS4109	R-1: Some topics of this course already taught in Graduation from Unit-4. Some advance Operating system topics must be incorporated in place of these topics.	As per the recommendation some new topics like Multiprocessor Architecture, Digital signal processing RISC and CISC have been introduced in syllabus.
CS4208	R-1: Course coverage is difficult due to lengthy syllabus	Topics removed as per recommendation.

Other Teaching Learning Aspects		
Overall Teaching Learning Process	R-3: More hands-on learning and an extension of MOOC courses. For senior-led teaching and learning, coordinate FDP. Additional training on online procedures for COVID-19 is required for teachers. The lecture during COVID time should have access to more sophisticated video production tools. A project show ought to be held to motivate students to complete more ambitious projects. Students ought to compete in events at the national level.	To enhance the teaching-learning process and adopt online protocols, senior faculty will plan a faculty development programme (FDP) for junior faculties during COVID-19. Technologies for video production will also be covered in the presentations. Types of tests will be offered to students in an online setting during COVID-19. A project exhibition will be arranged to encourage students to finish more challenging projects. National Competition will be introduced to students.
Peer Group Learning	R-4: Encouraging students to participate in online events run by other universities and businesses. It is important to assess the quality of the questions during exams, and the COVID-19 open book method established this idea.	Students will be assigned to mentors for guidance students to participate in online events run by other universities and businesses. Super Speciality Group will check the quality of the questions during exams.
Workshop on Emerging	R-2: Replacing theoretical coursework with more practical learning in the online	Workshops on hardware upkeep will be held online for the students. To keep

Technologies	mode. Workshops and seminars will be organized to keep students up to date about these technologies.	students informed about these technologies, workshops and lectures will be held.
Conference Exposure	R-2: Conferences organised at quantum university and other universities will be open to students to attend.	Students will be welcome to participate in conferences held at quantum university and other universities.
Training for Placements	R-5: The students need to engage in activities that can shape their personalities and improve their skills.	There are now VACs where students may develop their technical, analytical, and behavioural abilities. It makes sure that their personalities are developed completely, which further enables them to profit greatly from placement drives.

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