Action Taken Report on Feedback of Stakeholders

Session (2023-24)

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

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)

Action TakenReport Department Name: Department of Computer Application		
Feedback Session: 2023-24		
Curriculum Design		
Code	**Recommendation by Super Specialty Groups of the Department**	**Action taken during designing the syllabus of 2023-26**
SE31166	**R-5:**More programs on problem solving skills must be practiced during the labs.	Revised the syllabus and incorporated problems on emerging technology.
AE32162	**R-1:**More Group Discussion sessions must be organized during the classes.	Discussed with the course faculty to review the pattern and take extra sessions on Group Discussion.
CA3342	**R-5:**Introduce more programs that involve working with popular Python libraries such as NumPy and Pandas.	Added lab assignments that focus on the use of popular Python libraries like NumPy and Pandas to broaden students' skill sets.
CA3306	**R-5:**Provide additional resources and references on advanced topics such as WebSockets and WebRTC.	Shared additional resources, including articles, tutorials, and references, on advanced topics like WebSockets and WebRTC to broaden students' understanding of cutting-edge web technologies
CA3307	**R-5**: Include projects that require integration of multiple Python libraries and tools.	Added projects that involve the integration of various Python libraries and tools, promoting a comprehensive understanding of Python's capabilities.
CA3343	**R-5:**Introduce sessions on advanced JavaScript frameworks like React or Angular.	Added modules on advanced JavaScript frameworks, specifically React and Angular, to keep students updated with industry-relevant technologies.
VP3303	**R-5:**Introduce more complex coding challenges to enhance problem-solving skills.	Revised the lab exercises to include more advanced coding challenges that promote critical thinking and problem-solving abilities.
CA3641	**R-4:**Provide more guidance and resources on effective presentation skills and techniques.	Organized workshops and sessions focused on improving presentation skills, including techniques on effective communication, slide design, and audience engagement.
CA3605	**R-5:**Include more real-world project-based assignments to improve practical skills.	Added project-based assignments where students develop real-world applications, ensuring practical exposure and skill development.

Other Teaching Learning Aspects		
Overall Teaching Learning Process	**AR-4:** -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. **R-1:** - To enhance students' academic and professional development, consider implementing regular group discussions (GDs) and integrating case studies into the curriculum. These activities promote critical thinking, collaborative problem-solving, and practical application of theoretical knowledge.	Introduced select MOOC courses across various semesters. Implemented new test systems as advised by UAC to refine exam patterns and CO accomplishment. Continuous student feedback collected for ongoing process improvements.
Peer Group Learning	**AR-3:**-Student groups should be created to cater to different learning paces. Weaker students as slow learners and brighter students as advanced learners should be handled accordingly.	Students categorized into fast and slow learners based on academic performance. Research-focused exercises assigned to fast learners; additional classes with notes and video lectures for slow learners.
Workshop and Conference	**AR-1:** - Planned additional workshop on computer hardware by lab technicians, complementing existing Hardware Maintenance Lab activities. Also conducted AYAAM for imparting hands-on training on circuits and IoT technology. **AR-2:**- To enrich students' academic experience and professional growth, organizing conferences can be highly beneficial. Additionally, participating in conferences enhances networking opportunities and fosters collaboration among students, faculty, and industry professionals. **R-4:** - The department should thoroughly explain the specific objectives and expected outcomes of each workshop, and the advantages of participation to ensure that students appreciate the value of these	Planned additional workshop on computer hardware by lab technicians, complementing existing Hardware Maintenance Lab activities. Also conducted Ayaam for imparting hands on training on circuits.

	workshops in enhancing their academic and professional skills.	
Communication Skills	**R-3:** - The program should provide detailed information about research opportunities, including guidance on involvement in research projects, selecting research topics, and forming research teams. Additionally, the program should cover the procedures and best practices for paper presentations, such as preparing research papers, submitting them to conferences or journals, and honing effective presentation skills. Furthermore, the importance of effective communication skills should be emphasized, with training on various forms of communication, including verbal, written, and digital.	Enhanced curriculum with more sessions on GD/PI and flip topic presentations alongside existing seminars and internship presentations.
Training for Placements	**R-6:** -Schedule sessions for imparting technical skills and training classes. Placement Officer to share industry trends and requirements with students.	Implemented Value Added Courses (VACs) for holistic development, focusing on technical, analytical, and behavioral skills to maximize placement benefits.
Orientation Program	**R-1:** -To enhance students' academic and professional development, consider implementing regular group discussions (GDs) and integrating case studies into the curriculum. These activities promote critical thinking, collaborative problem-solving, and practical application of theoretical knowledge.	Successfully conducted orientation program for new and senior students, providing comprehensive information about subjects, teachers, mentors, and elective choices.

Levels

HEAD
DEPARTMENT
Dept. of Computer Applications
Quantum University, Roorkee

x-x-x

Thanks
Dr Varsha Gupta
Faculty Incharge
University Feedback System

Registrar
Quantum University, Roorkee

N. Nigam

Action Taken Report on Feedback of Stakeholders

Session (2023-24)

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

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)

Action TakenReport Department Name: Department of Computer Application		
Feedback Session: 2023-24		
Curriculum Design		
Code	**R-8: Recommendation by Super Specialty Groups of the Department for course content and relevance**	**Action taken during designing the syllabus of 2024-26**
CA41102	Integrate emerging technologies and tools used in the industry.	Added modules on contemporary technologies and tools prevalent in the industry to ensure students are industry-ready.
CA42102	Conduct workshops on advanced topics like microservices, Spring Boot, and cloud integration in Java.	Integrated advanced topics ensuring that students are aware of the latest trends and technologies in the Java ecosystem.
CA42161	Include more complex problems and real-world scenarios in lab exercises.	Updated the lab exercises to include more complex problems and real-world scenarios, enhancing the practical application of skills.
CA4307	Suggested certifications like AWS Certified Solutions Architect or Google Cloud Professional Cloud Architect. It can boost employability and validate skills.	Encouraged students to pursue certifications from leading cloud service providers for their Summer Internships.
CA4402	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.

Other Teaching Learning Aspects		
Overall Teaching Learning Process	**R-7:** -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. **R-1:** - To enhance students' academic and professional development, consider implementing regular group discussions (GDs) and integrating case studies into the	MOOC courses have been incorporated in various semesters. Also, learning material including handwritten notes, video lectures, etc., have been uploaded on QLRC.

	curriculum. These activities promote critical thinking, collaborative problem-solving, and practical application of theoretical knowledge	
Peer Group Learning	**AR-3:**-Student groups should be created to cater to different learning paces. Weaker students as slow learners and brighter students as advanced learners should be handled accordingly.	Instead 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 handwritten notes and revision lectures are delivered.
Workshop and Conference	**AR-1:** - Planned additional workshop on computer hardware by lab technicians, complementing existing Hardware Maintenance Lab activities. Also conducted AYAAM for imparting hands-on training on circuits and IoT technology. **AR-2:** - To enrich students' academic experience and professional growth, organizing conferences can be highly beneficial. Additionally, participating in conferences enhances networking opportunities and fosters collaboration among students, faculty, and industry professionals. **R-4:** - The department should thoroughly explain the specific objectives and expected outcomes of each workshop, and the advantages of participation to ensure that students appreciate the value of these workshops in enhancing their academic and professional skills.	Planned additional workshop on computer hardware by lab technicians, complementing existing Hardware Maintenance Lab activities. Also conducted Ayaam for imparting hands on training on circuits.
Communication Skills	**R-3:** - The program should provide detailed information about research opportunities, including guidance on involvement in research projects, selecting research topics, and forming research teams. Additionally, the program should cover the procedures and best practices for paper presentations, such as preparing research papers, submitting them to conferences or journals, and honing effective presentation skills. Furthermore, the importance of effective communication skills should be emphasized, with training on various forms of communication, including verbal,	Enhanced curriculum with more sessions on GD/PI and flip topic presentations alongside existing seminars and internship presentations.

	written, and digital.	
Training for Placements	**R-6:** - Schedule sessions for imparting technical skills and training classes. Placement Officer to share industry trends and requirements with students.	Interview training in terms of communication skills, numerical ability, technical skills, etc., will be arranged regularly for students to enhance their performance in the recruitment process.
Orientation Program	**R-2:** -To enhance students' academic and professional development, consider implementing regular group discussions (GDs) and integrating case studies into the curriculum. These activities promote critical thinking, collaborative problem-solving, and practical application of theoretical knowledge.	Implemented. Sessions have been scheduled for fresher students to familiarize them with the teaching-learning environment practiced on campus.
Evaluation System	**R-8:** -Ensure clarity in learning outcomes, incorporate transparency by giving prompt feedback on assignments/mid-semester exams, use ERP for maintaining scores.	Implemented.
Skills through Inter-disciplinary courses	**R-9:** - Enhance inter-disciplinary courses by fostering collaboration among departments, incorporating diverse teaching methods, and providing flexible course structures.	Implemented.

HEAD DEPARTMENT
Dept. of Computer Applications
Quantum University, Roorkee

Devashe Gupta
Faculty Incharge
University feedback System

DIRECTOR
IQAC
Quantum University, Roorkee

Registrar
Quantum University, Roorkee