

Quantum University, Roorkee



6.5.2	<p>Institution has adopted the following for Quality assurance:</p> <ol style="list-style-type: none">1. Academic and Administrative Audit (AAA) and follow up action taken2. Conferences, Seminars, Workshops on quality conducted3. Collaborative quality initiatives with other institution(s)4. Orientation programme on quality issues for teachers and students5. Participation in NIRF and other recognized ranking like Shanghai Ranking, QS Ranking Times Ranking etc6. Any other quality audit recognized by state, national or international agencies
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SAMPLE ACADEMIC AUDIT REPORT

Academic Year 2022-23

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Registrar
Quantum University

Academic Audit Report

Session: 2022-23

Department of Computer Applications
Quantum School of Technology
Quantum University, Roorkee

QUANTUM UNIVERSITY, ROORKEE

Academic Audit Report

(Filled in Performa to be submitted to the committee in both soft and hard copy)

Session : 2022-23

School : Quantum School of Technology

Name of the Department : Department of Computer Applications

Name of Programs (Offered) : Bachelor of Computer Applications
&
Master of Computer Applications

Date of Audit : 07/09/2022

S.No	Audit Criteria	Self-Appraisal of Department	Auditor's Rating (4)	Auditor's Recommendations
A. Curriculum and Teaching Learning Process				
1	Number of course files audited	18%	3.8	HOD's should ensure course files in terms of assignments, tutorials, sessional and previous exam question papers.
2	Percentage of courses where lesson plan was created, approved and uploaded on ERP	100%	4	Satisfactory
3	Number of courses in which the lectures are conducted as per Lesson Plan	85%	3	Lectures must fall in sync with the lesson plan, keeping in mind the working days, national and international holidays.
4	Percentage of Lectures (in all courses) with ICT Tools	50%	2.8	Faculty must increase the use of ICT tools.
5	Percentage of Lecture which demonstrated experiential, participative and problem-solving strategies	70%	3	Use of practical approach and applications in the lectures to demonstrate experiential, participative and problem solving approach.
6	Percentage of courses where CO-PO mapping is on ERP	100%	4	Satisfactory
7	Percentage of Course where teaching material is uploaded on QLRC/QMS before the	76%	3.5	There should be an exercise of at least one day scheduled exclusively for uploading teaching materials on QLRC/QMS.

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	commencement of classes			
8	Percentage of courses whose question-banks were evaluated and moderated by sub specialty Group	100%	4	Satisfactory
9	Percentage of courses in which 'Assignment-1' is mapped with CO-Outcome and Bloom's Taxonomy	72%	3.2	The questions of Assignment-1 must be evaluated more accurately.
10	Percentage of courses in which 'Assignment-2' is mapped with Experiential/Participative Learning/ Problem Solving and assessed by the Sub Specialty Group	79%	3.1	The questions of Assignment-2 must be dynamic in nature and trigger cognitive approach of students.
11	Percentage of courses in which Quizzes are mapped with CO-Outcome and Bloom's Taxonomy and assessed by Sub Specialty Groups	92%	3.9	Satisfactory
12	Quality of ESE Question Papers as per mapping and Bloom's Taxonomy, please rate on a scale of 0-4	3	3	Question paper must be rigorously mapped with Bloom's Taxonomy.
13	Quality of projects assigned to students in the beginning of semester, please rate on a scale of 0-4	80%	3	Project need to be assigned in the beginning of semester.
14	Percentage of courses where all listed practical were conducted as per time table	92%	3.8	Satisfactory, and regular monitoring is required to check timely completion of each practical.
15	Quality of Lab Manuals and Procedures, please rate on a scale of 0-4	2.6	2	Regular modifications are needed to enhance the quality of lab manuals.
16	How many VACs were conducted/planned in the session	2	3	A number of VACs are satisfactory.

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Dr. A. K. Singh

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A. K. Singh

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17	Performance of teachers in uploading course material on QLRC, please rate on a scale of 0-4	100%	4	Satisfactory, and form a committee for regular monitoring.
18	Activities planned / executed as per policy of slow and fast Learners, please rate on a scale of 0-4	95%	3.5	Satisfactory, but some modification can enhance the policy.
19	Students' and teachers' feedback analyzed and ATR prepared	100%	4	Satisfactory
B: Evaluation Process				
20	Quality of evaluation in Assignments and Mid Semester Examination, please rate on a scale of 0-4	90%	3.5	Satisfactory
21	Quality of Projects submitted by the students, please rate on a scale of 0-4	90%	3.5	Projects must be related to engaging tech and trends.
22	Quality of Assessment of the Projects (Adhering the university policy), Please rate on a scale of 0-4	80%	3	Extended members from premium institutes like IIT's and government institutions should be called/approached for the assessment quality.
23	Quality of Lab Projects and Reports, please rate on a scale of 0-4	85%	3.5	Students must be encouraged to come up with patentable ideas.
24	Percentage of the courses where pass percent is below 70 %	100%	4	Satisfactory
C: Co-Curricular Activities				

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25	Percentage of activities not conducted as per Event Calendar of the Department	10%	3.5	Assign roles to each faculty and take regular feedback regarding completion of events as per the event calendar.
26	Percentage of Event Calendar activities reported to Press Club/ERP	91%	3.8	Satisfactory.
27	Activities planned / executed as per policy of Career Counseling, please rate on a scale of 0-4	90%	3	More sessions can be organized for career counselling where each student's capabilities and interests should be identified.
D: Student Support				
28	Activities planned / executed as per Mentor Mentee Policy, please rate on a scale of 0-4	90%	4	Regular follow ups should be conducted.
29	Appointment of CRs (Y/N)	Yes	4	Yes
30	Frequency of interactions of CRs with Director/Vice Chancellor	2	4	Appreciatory
31	Student's orientation before the beginning of Classes	100%	4	Satisfactory
E: Governance and Best Practices				
32	Strength of the Department	<ul style="list-style-type: none"> The department embraces cutting-edge technology in accordance with the new education policy. A culture focused on research and innovation promotes exploration of cutting-edge technologies. The department strives to nurture each student's full potential, aiming for holistic development beyond academics. 		
33	Weakness of Department	<ul style="list-style-type: none"> Insufficient faculty resources for skill development. Emphasizing a greater integration of practical application with theoretical knowledge. Adapting skill development to evolving times and demands. 		

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34	<p>New Initiatives taken by the Department</p> <ul style="list-style-type: none"> • Introduction of interdisciplinary research forums to promote collaboration. • Providing entrepreneurship and start-up support for students and faculty ventures in technology. • Regular workshops are conducted by department in order to impart the essential skills into students that are required to make them job-ready. • The students expand their horizons of learning through platform like SWAYAM, MOOC, EDUSAT etc. • Creating an alumni network for networking and mentorship opportunities. • Interdisciplinary approach should be encouraged to develop social skills in engineering students. 				
35	<table border="1"> <tr> <td data-bbox="279 593 438 752">Planning for the next semester attached (Y/N)</td> <td data-bbox="438 593 526 752">YES</td> <td data-bbox="526 593 662 752">YES</td> <td data-bbox="662 593 1583 752">YES</td> </tr> </table>	Planning for the next semester attached (Y/N)	YES	YES	YES
Planning for the next semester attached (Y/N)	YES	YES	YES		

Recommendations:

- Career counselling tailored to individual interests, considering student's aspirations, whether for higher education or international pursuits.
- Regular organization of Seminars and Workshops addressing current industry demands.
- Fostering a problem-solving approach among students with a focus on high-impact outcomes.
- Promoting faculty engagement in national and international seminars, workshops covering emerging technologies.
- The teaching-learning process must be made more research-oriented.
- Integration of sustainable practices with engineering practices.

(Signature of the HOD with seal)

HEAD OF DEPARTMENT
Dept. of Computer Applications
Quantum University, Roorkee

(Signature of Auditor with Name & Date)

1. Dr Kuldeep Yadav

2. Dr. Tanvya Chaudhary

3. Dr. Sateesh Kumar

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QUANTUM UNIVERSITY, ROORKEE

Quantum School of Technology

Department of Computer Applications

Session: 2022-23

ACADEMIC & ADMINISTRATIVE AUDIT

Action Taken Report

Introduction

The organization conducted out an Academic and Administrative Audit in 2022-23 that consists of the academic, administrative and student-focused activities of the University. The following activities were taken into consideration and meticulously executed to improve the institution's quality.

Sl. No.	Suggestions	Action Taken
1.	Focus more on Integrating practical application with theoretical knowledge	The department has already initiated to collaborate with industry partners to offer internships, Coding Bootcamps, Hackathons and Competitions Guest Lecturers and Industry Experts.
2.	Foster Interdisciplinary Approach of Education	The university promotes interdisciplinary studies that allow students to explore diverse perspectives and integrate knowledge from various fields and other social skills.
3.	Create a professional competency among students	The university has introduced experiential learning activities in the respective departments in order to give students hands-on experience

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4.	Integrate sustainable practices in technology	The department constantly promotes energy efficiency, green data centers, eco friendly hardware and many more to promote sustainable practices in technology
5	More entrepreneurship and start-up support for students	The university provides a platform of Startup Incubators and Accelerators, Mentorship Programs, Hackathons and Competitions
6	Encourage research oriented projects and innovations	Research oriented projects are initiated in the department to contribute to advancement in technological knowledge and innovation.
7	Strengthen career counseling policy	Career counseling department are well set up that assists students in finding internships and opportunities
8	Focus on practical projects that have advance technology	The department strongly assigns projects that are related to emerging tech and trends and scope-oriented.

Conclusion

Based on the recommendations made by the AAA team, all the necessary steps have been taken in order to improve the institution's quality.

Signature



Dr. Kuldeep Yadav
Faculty CSE, Gov. Polytechnic, Saharanpur.



Dr. Tanuja Choudhary.
Prof. CSE Deptt.
UPES, Dehradun.



Dr. Sushanta Kumar, ~~Dean~~ Dean Academic
Quantum University, Roorkee.

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Academic Audit Report

Session: 2022-23

Department of Media Studies & Design

**Quantum School of Media Studies
& Design**

Quantum University, Roorkee

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Academic Audit Report
2022-23

(Filled in Performa to be submitted to the committee in both soft and hard copy)

Session: 2022-23

School: Quantum School of Media Studies & Design

Name of the Department: Department of Media Studies & Design

Name of Programs (Offered): Bachelor of Arts (Hons) in Journalism and Mass Communication

Bachelor of Science in Animation and VFX

Date of Audit: 27/09/2022

S. No.	Audit Criteria	Self-Appraisal of Department	Auditor's Rating	Auditor's Recommendations
A. Curriculum and Teaching Learning Process				
1	Number of course files audited	17	4	Good, satisfactory
2	Percentage of courses where lesson plan was created, approved and uploaded on ERP	100 %	4	Satisfactory
3	Number of courses in which the lectures are	26	3	All lectures of respective courses must be conducted as per pre scheduled lesson plan.

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	conducted as per Lesson Plan			
4	Percentage of Lectures (in all courses) with ICT Tools	50%	3	Use modern ICT tools.
5	Percentage of Lecture which demonstrated experiential, participative and problem solving strategies	65%	3	Encourage continuous improvements by regularly reviewing and refining teaching methods based on feedback and outcomes.
6	Percentage of courses where CO-PO mapping is on ERP	100%	4	Satisfactory.
7	Percentage of Course where teaching material is uploaded on QLRC/QMS before the commencement of classes	78%	3	Offer technical assistance to faculty for seamless uploading of materials on QLRC/ QMS, ensuring smooth teaching without obstacles.
8	Percentage of courses whose question-banks were evaluated and moderated by sub specialty Group	100%	4	Satisfactory.
9	Percentage of courses in which 'Assignment-1' is mapped with CO-Outcome and Bloom's Taxonomy	78%	3	Additional critical perspective for assigning task to students.


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10	Percentage of courses in which 'Assignment-2' is mapped with Experiential/Participative Learning/ Problem Solving and assessed by the Sub Specialty Group	44%	3	Prior review is required by sub specialty group and HODs.
11	Percentage of courses in which Quizzes are mapped with CO-Outcome and Bloom's Taxonomy and assessed by Sub Specialty Groups	95%	4	Satisfactory.
12	Quality of ESE Question Papers as per mapping and Bloom's Taxonomy, Please rate on a scale of 0-4	2.9	3	Evaluate overall quality of ESE question paper as per mapping and blooms taxonomy.
13	Quality of projects assigned to students in the beginning of semester, Please rate on a scale of 0-4	2.6	2	Engage research oriented skills.
14	Percentage of courses where all listed practical were conducted as	84%	4	Practical oriented subjects must be conducted.

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	per time table			
15	Quality of Lab Manuals and Procedures , Please rate on a scale of 0-4	2.4	2	Strengthen the alignment of lab manuals and procedures.
16	How many VACs were conducted/planned in the session	9	3	Sufficient numbers.
17	Performance of teachers in uploading course material on QLRC, , Please rate on a scale of 0-4	4	4	Monitoring should be there.
18	Activities planned / executed as per policy of slow and fast Learners , Please rate on a scale of 0-4	3.8	3	Improve impact and analysis is necessary.
19	Students' and teachers' feedback analyzed and ATR prepared	100 %	4	Satisfactory.
B:Evaluation Process				
20	Quality of evaluation in Assignments and Mid Semester Examination , Please rate on a scale of 0-4	3.8	3	Satisfactory.

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21	Quality of Projects submitted by the students, Please rate on a scale of 0-4	2.5	2	Quality of projects must incorporate practical approach.
22	Quality of Assessment of the Projects (<i>adhering the university policy</i>), Please rate on a scale of 0-4	3.2	3	Assessment of projects must be adhering hearing University norms.
23	Quality of Lab Projects and Reports, Please rate on a scale of 0-4	2.3	2	Integrate practical and theoretical knowledge during project work.
24	Percentage of the courses where pass percent is below 70 %	14%	2	Increase engaging and attention grabbing lectures.
C: Co-Curricular Activities				
25	Percentage of activities not conducted as per Event Calendar of the Department	12%	2	Review all event calendar activities in advance to ensure allocation of required resources.
26	Percentage of Event Calendar activities reported to Press Club/ ERP	96%	4	Satisfactory.
27	Activities planned / executed as per policy of Career	3.4	3	Satisfactory.

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	Counseling , Please rate on a scale of 0-4			
D: Student Support				
28	Activities planned / executed as per Mentor Mentee Policy , Please rate on a scale of 0-4	3.6	3	Satisfactory.
29	Appointment of CRs (Y/N)	YES	Yes	Yes
30	Frequency of interactions of CRs with Director/Vice Chancellor	2	2	Encourage are CRs to prepare agenda before meeting.
31	Student's orientation before the beginning of Classes	100%	4	Satisfactory.
F: Governance and Best Practices				
<ol style="list-style-type: none"> 1. Establishing a curriculum committee responsible for designing and regularly reviewing the curriculum to ensure it aligns with industry trends and standards. 2. Establishing a technology committee to assess and implement the latest multimedia tools and platforms. 3. Ensuring that students have access to state-of-the-art equipment and software to enhance their multimedia skills. 4. Establish mechanisms for reporting and addressing ethical violations or misconduct. 5. Consider environmental, social and governance (ESG) factors in decision-making and reporting. 6. Encouraging faculty and students to engage in research activities and contribute to academic journals. 				
36	Strength of the Department <ul style="list-style-type: none"> • Choice Based Credit System (CBCS). • Community spirit at work, the university ensures an inclusive workplace • Focus on Personality development programs (PDPs). • Annual revision of the curriculum and syllabus • Student centered activities are robustly promoted in practical sessions. 			
37	Weakness of the Department			

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	<p>Location in far distance from urban area</p> <ul style="list-style-type: none"> • Revenue generation through industry consultancy • Limited access to public funding for infrastructure development • Lack of alumni network • Joint programs with Industry • Updating ICT tools in teaching practices. • Research projects are conducted at UG level. 			
38	<p>New Initiatives taken by the Department</p> <ol style="list-style-type: none"> 1. Explore the integration of VR and AR technologies into media studies programs to train students in immersive storytelling and digital experiences. 2. Expand coursework in media law and policy to provide students with a comprehensive understanding of legal and regulatory aspects of media. 3. Create an innovation hub or incubator for media startups, allowing students to develop and launch media-related entrepreneurial ventures. 4. Develop courses that emphasize ethical considerations in media production and responsible reporting, including the use of technology and social media. 5. Introduce courses on data journalism and data visualization techniques to equip students with skills for analyzing and presenting data-driven stories. 			
39	<table border="1"> <tr> <td>Planning for the next semester attached (Y/N)</td> <td>YES</td> <td>YES</td> </tr> </table>	Planning for the next semester attached (Y/N)	YES	YES
Planning for the next semester attached (Y/N)	YES	YES		

Recommendations :

- Faculty members should be encouraged to attend FDP/MDP/Certification program to attain high quality Skills in the field.
- Develop online and hybrid courses to cater to students' diverse learning needs and reach a broader audience beyond the traditional classroom setting.
- Strengthen connections with media industry professionals and organizations to facilitate internship opportunities and industry mentorships for students.
- Develop courses or initiatives that examine the role of media in social change, activism, and advocacy, focusing on issues like climate change, social justice and human rights.
- Promote discussions on media sustainability and explore ways to reduce the environmental impact of media production and distribution.



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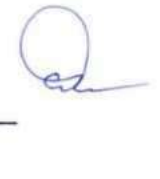
HEAD OF DEPARTMENT
Dept. of Media Studies
Quantum University, Roorkee



(Signature of the HOD with seal)
& Date)

HEAD OF DEPARTMENT
Dept. of Media Studies
Quantum University, Roorkee

(Signature of Auditor with Name

1. Dr. Manish Srivastava 
2. Jasmeet Kaur Gurbati 
3. Dr Vinay Pal Singh 

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QUANTUM UNIVERSITY, ROORKEE

Quantum School of Media Studies & Design

Department of Media Studies & Design

Session: 2022-23

ACADEMIC & ADMINISTRATIVE AUDIT

Action Taken Report

Introduction

The organization conducted out an Academic and Administrative Audit in 2022-23 that consists of the academic, administrative and student-focused activities of the University. The following activities were taken into consideration and meticulously executed to improve the institution's quality.

Sl. No.	Suggestions	Action Taken
1.	Foster Interdisciplinary Approach of Education	The department as per the university norms rigorously promotes interdisciplinary studies, allow students to explore diverse perspectives and integrate knowledge from various fields.
2.	Encourage environment friendly approach through enhancing a wide range of ICT tools	The department has started incorporating updated ICT tools to support environment sustainability.
3.	Encourage students' centered approach in practical sessions	The pedagogical practices of the department essentially maintain student centered approach in practical sessions.
4.	Encourage faculty to engage innovative teaching methods	The department organizes regular workshops, seminars and training sessions on innovative teaching techniques and technology.

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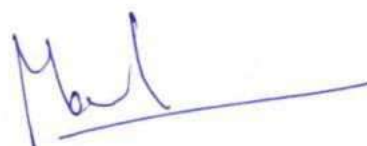

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5	Introducing research oriented projects at the undergraduate level	Research initiatives at the UG level are introduced. Small research projects are encouraged for undergraduate students to undertake.
6	Promote discussions on media sustainability	The department has already taken into consideration various ways to reduce the environmental impact of media production and distribution.
7	Foster the significance of media in society	The department has taken initiatives that examine the role of media in social change, activism, and advocacy, focusing on issues like climate change, social justice and human rights in the name of PAHAL program.
8	Strengthen career counseling policies	Career counseling department is exclusively well set up to assist students in finding internships and opportunities in their field.
9	Focus more on employability skill components in the Curriculum	The university has already incorporated compulsory employability skill-based papers in the curriculum.

Conclusion

Based on the recommendations made by the AAA team, all the necessary steps have been taken in order to improve the institution's quality.

Signature


Dr. Manish Srivastava
Dean
Faculty of Business and Maa
Quantum University


Jasmeet Kaur Gulati
Assistant Prof.
Disha Bharti College


Dr. Vinay Pal Singh
Assistant Professor
Dept. of Commerce of Finance
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Dept. of Media Studies
Quantum University, Roorkee

Academic Audit Report

Session: 2022-23

Department of Civil Engineering
Quantum School of Technology
Quantum University, Roorkee

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Academic Audit Report

2022-23

(Filled in Performa to be submitted to the committee in both soft and hard copy)

Session: 2022-23

School: Quantum School of Technology

Name of the Department: Department of Civil Engineering

Name of Programs (Offered): Bachelor of Technology in Civil Engineering, Master of Technology in Structural Engineering.

Date of Audit: 07/09/2022

S. No.	Audit Criteria	Self-Appraisal of Department	Auditor's Rating	Auditor's Recommendations
A. Curriculum and Teaching Learning Process				
1	Number of course files audited	18	3	Good but Course files need some improvements.
2	Percentage of courses where lesson plan was created, approved and uploaded on ERP	100%	4	Satisfactory
3	Number of courses in which the lectures are conducted as per Lesson Plan	90%	3.8	Satisfactory. Give Some question based on the topic to study for the students.
4	Percentage of Lectures (in all courses) with ICT Tools	68%	2.8	Satisfactory. Check the quality of material.
5	Percentage of Lecture which demonstrated experiential, participative and problem-solving strategies	72%	3	To demonstrate different learning strategies use live examples in your teaching.
6	Percentage of courses where CO-PO mapping is on ERP	100%	4	Satisfactory

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7	Percentage of Course where teaching material is uploaded on QLRC/QMS before the commencement of classes	64%	2.9	Draw a line frame to upload contents on QLRC/QMS.
8	Percentage of courses whose question-banks were evaluated and moderated by sub specialty Group	100%	4	Good practice. Satisfactory
9	Percentage of courses in which 'Assignment-1' is mapped with CO-Outcome and Bloom's Taxonomy	80%	3.8	Satisfactory critical verification is required.
10	Percentage of courses in which 'Assignment-2' is mapped with Experiential/Participative Learning/ Problem Solving and assessed by the Sub Specialty Group	65%	2.9	Priority required review by SSG & HODs
11	Percentage of courses in which Quizzes are mapped with CO-Outcome and Bloom's Taxonomy and assessed by Sub Specialty Groups	81.5%	3.9	Good Satisfactory.
12	Quality of ESE Question Papers as per mapping and Bloom's Taxonomy, please rate on a scale of 0-4	3.6	3	Check and analyses mapping and Bloom's Taxonomy on co-po outcome after calculation.
13	Quality of projects assigned to students in the beginning of semester, please rate on a scale of 0-4	2.6	2.6	Assign the projects in the beginning if semester so students can get adequate time.

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Dept. of Civil Engineering
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14	Percentage of courses where all listed practical were conducted as per time table	85%	3	Ok, Satisfactory
15	Quality of Lab Manuals and Procedures , Please rate on a scale of 0-4	2.5	2.5	Need improvements in the quality of lab manuals.
16	How many VACs were conducted/planned in the session	2/2	3	Satisfactory
17	Performance of teachers in uploading course material on QLRC, ,Please rate on a scale of 0-4	3.6	3	Upload new content to the benefits of others.
18	Activities planned / executed as per policy of slow and fast Learners , Please rate on a scale of 0-4	3.3	4	Need improvement. Impact analysis is required.
19	Students' and teachers' feedback analyzed and ATR prepared	100%	4	Satisfactory
B:Evaluation Process				
20	Quality of evaluation in Assignments and Mid Semester Examination, please rate on a scale of 0-4	3.4	3	Need comments by checker. Always provide grade on examination.
21	Quality of Projects submitted by the students, Please rate on a scale of 0-4	2.3	3	Need regular monitoring by the guide.
22	Quality of Assessment of the Projects (<i>adhering the university policy</i>) , Please rate on a scale of 0-4	2.3	3	Appoint some external examiner to improve the quality of projects.
23	Quality of Lab Projects and Reports , Please rate on a scale of 0-4	2.9	3	Use an appropriate format for lab reports & lab projects should base on real life problems or it must be based on research.

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24	Percentage of the courses where pass percent is below 70 %	9%	3	Need improvement in attention grabbing lectures.
C: Co-Curricular Activities				
25	Percentage of activities not conducted as per Event Calendar of the Department	9%	3	Reported well.
26	Percentage of Event Calendar activities reported to Press Club/ ERP	92%	3.9	Need improvement. Report as much as possible.
27	Activities planned / executed as per policy of Career Counseling , Please rate on a scale of 0-4	3.7	3	Satisfactory
D: Student Support				
28	Activities planned / executed as per Mentor Mentee Policy , Please rate on a scale of 0-4	3.3	3.3	Satisfactory
29	Appointment of CRs (Y/N)	Yes	4	Good
30	Frequency of interactions of CRs with Director/Vice Chancellor	4	4	It's ok
31	Student's orientation before the beginning of Classes	100%	4	Satisfactory
F: Governance and Best Practices				
<ol style="list-style-type: none"> 1. Projects on hill infrastructure 2. Survey camps 3. Industry visit by nearby highway construction area 				
Strength of the Department				
32	<ol style="list-style-type: none"> 1. An active and supportive alumni network. 2. A well-designed curriculum that integrates theoretical knowledge with practical applications and aligns with industry requirements can equip students with the necessary skills and competencies for successful careers in mechanical engineering. 			

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HEAD OF DEPARTMENT
Dept. of Civil Engineering
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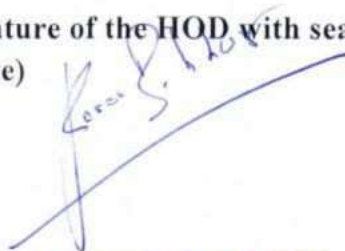


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	<p>3. A strong department offers dedicated career services and placement support to help students secure internships and job opportunities.</p> <p>4. Foster Interdisciplinary Approach of Education by integrating with the social sciences.</p>				
33	<p>Weakness of Department</p> <p>1. Limited Funding. 2. Faculty Retention. 3. Lack of Diversity and Inclusion.</p>				
34	<p>New Initiatives taken by the Department</p> <p>1. Infrastructure Development. 2. Sustainability and Green Initiatives.</p>				
35	<table border="1"> <tr> <td>Planning for the next semester attached (Y/N)</td> <td>Yes</td> <td>Yes</td> <td>Yes</td> </tr> </table>	Planning for the next semester attached (Y/N)	Yes	Yes	Yes
Planning for the next semester attached (Y/N)	Yes	Yes	Yes		
<p>Recommendations :</p> <p>1. Emphasize project-based learning by assigning practical projects that simulate real-world engineering challenges. Collaborate with local municipalities or organizations to provide students with opportunities to work on community-based projects.</p>					

(Signature of the HOD with seal)
& Date)



HEAD OF DEPARTMENT
Dept. of Civil Engineering
Quantum University, Roorkee

(Signature of Auditor with Name)

1. (Prof A.K. Khare)
2. Sayvendre Kumar (Ex Scientist)
3. Dr. R.P. Prasad (CBET Roorke)
(Director B.S. Engg. College)

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QUANTUM UNIVERSITY, ROORKEE

Quantum School of Technology

Department of Civil Engineering

Session: 2022-23

ACADEMIC & ADMINISTRATIVE AUDIT

Action Taken Report

Introduction

The organization conducted out an Academic and Administrative Audit in 2022-23 that consists of the academic, administrative and student-focused activities of the University. The following activities were taken into consideration and meticulously executed to improve the institution's quality.

Sl. No.	Suggestions	Action Taken
1.	Emphasize project-based learning	The department has initiated practical projects that simulate real-world engineering challenges.
2.	Foster Interdisciplinary Approach of Education	The university promotes interdisciplinary studies that allow students to explore diverse perspectives and integrate dynamic knowledge from other disciplines.
3.	Create a professional competency among students	The university has introduced experiential learning activities in the engineering department to give students hands-on experience.
4.	Integrate sustainable practices in technology	The department constantly promotes Renewable Energy Integration, Sustainable Materials and so on
5	More entrepreneurship and start-up support for students	The university provides a platform of Startup Incubators and Accelerators, Mentorship Programs, Hackathons and Competitions

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6	Encourage research oriented projects and innovations	Research oriented projects are initiated in the department to contribute to advancement in technological knowledge and innovation.
7	Strengthen career counseling policy	Career counseling department are well set up that assists students in finding internships and opportunities
8	Focus on projects that have advance technology	The department strongly assigns projects that are related to emerging tech and trends and scope-oriented.

Conclusion

Based on the recommendations made by the AAA team, all the necessary steps have been taken in order to improve the institution's quality.



Signature

(Prof. A.K. Khau)

Sarvendra Kumar
(Ex. Scientist. CBRI Roorkee)

Dr. R.R. Prasad
(Director BSM Engr College)

Academic Audit Report

Session: 2022-23

Department of Applied Medical Sciences

Quantum School of Health Science

Quantum University, Roorkee

QUANTUM UNIVERSITY, ROORKEE

Format for Academic Audit

(Filled in Performa to be submitted to the committee in both soft and hard copy)

Session: 2022-23

School: Quantum School of Health Sciences

Name of the Department: Department of Applied Medical Sciences

Name of Programs (Offered): Bachelor of Science in Nutrition & Dietetics

Date of Audit: 07/09/2022

S. No.	Audit Criteria	Self Appraisal of Department	Auditor's Rating (4)	Auditor's Recommendations
A. Curriculum and Teaching Learning Process				
1	Number of course files audited	16	3.5	Need to be improved. HOD's and program officers must verify rest of files.
2	Percentage of courses where lesson plan was created, approved and uploaded on ERP	100%	4	Satisfactory
3	Number of courses in which the lectures are conducted as per Lesson Plan	80%	3.5	If faculty is facing any challenges as needs support to improve their punctuality in lesson plan conduction.
4	Percentage of Lectures (in all courses) with ICT Tools	60%	3	Engage ICT tools in important lectures
5	Percentage of Lecture which demonstrated experiential, participative and problem solving strategies	95%	4	Satisfactory

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6	Percentage of courses where CO-PO mapping is on ERP	90%	4	Satisfactory, CO-PO regular check in must be done.
7	Percentage of Course where teaching material is uploaded on QLRC/QMS before the commencement of classes	90%	4	Satisfactory. Yet a timeline should be set to upload teaching materials to the QLRC/QMS before the start of each course for timely access.
8	Percentage of courses whose question-banks were evaluated and moderated by sub specialty Group	100%	4	Satisfactory
9	Percentage of courses in which 'Assignment-1' is mapped with CO-Outcome and Bloom's Taxonomy	95%	4	It is essential to incorporate critical perspective before assigning assignment to students
10	Percentage of courses in which 'Assignment-2' is mapped with Experiential/Participative Learning/ Problem Solving and assessed by the Sub Specialty Group	75%	3	Map course with assignment-2 with Experiential / participative learning / problem solving approach.
11	Percentage of courses in which Quizzes are mapped with CO-Outcome and Bloom's Taxonomy and assessed by Sub Specialty Groups	90%	4	Satisfactory
12	Quality of ESE Question Papers as per mapping and Bloom's	3.5	3.5	Satisfactory Design question that reflect real world situations or

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	Taxonomy, Please rate on a scale of 0-4			problem relevant to the course.
13	Quality of projects assigned to students in the beginning of semester, Please rate on a scale of 0-4	4	4	Satisfactory
14	Percentage of courses where all listed practical were conducted as per time table	90%	4	Satisfactory
15	Quality of Lab Manuals and Procedures, Please rate on a scale of 0-4	3.8	3	Satisfactory, A well-organized, informative should be the goal in the laboratory
16	How many VACs were conducted/planned in the session	2	4	Sufficient in numbers
17	Performance of teachers in uploading course material on QLRC, Please rate on a scale of 0-4	3.5	4	ensure regular monitoring of the process
18	Activities planned / executed as per policy of slow and fast Learners, Please rate on a scale of 0-4	3.2	3	participative strategies should be planned time to time
19	Students' and teachers' feedback analyzed and ATR prepared.	100%	4	Satisfactory achievement
B: Evaluation Process				
20	Quality of evaluation in Assignments and Mid Semester Examination,	3.5	3	faculty Comments should be there for improving teaching strategies.

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	Please rate on a scale of 0-4			
21	Quality of Projects submitted by the students , Please rate on a scale of 0-4	4	4	Satisfactory
22	Quality of Assessment of the Projects (adhering the university policy) , Please rate on a scale of 0-4	4	4	External auditors must be there to evaluate projects
23	Quality of Lab Projects and Reports , Please rate on a scale of 0-4	4	4	Satisfactory
24	Percentage of the courses where pass percent is below 70 %	10%	3.5	Create the interest of students in learning the course where pass percent is minimum .
C: Co-curricular Activities				
25	Percentage of activities not conducted as per Event Calendar of the Department	90%.	3.5	plan activities as per the event calendar to avoid delay or any obstructions .
26	Percentage of Event Calendar activities reported to Press Club/ ERP	100%.	4	Satisfactory
27	Activities planned / executed as per policy of Career Counseling , Please rate on a scale of 0-4	90%.	3	Conduct a thorough needs assessment to understand the career counselling requirement of students
D: Student Support				
28	Activities planned / executed as per Mentor Mentee Policy, Please rate	90%.	3	Also provide guidance to students in dealing with their personal

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	on a scale of 0-4			problems, specifically girls students
29	Appointment of CRs (Y/N)	Yes	4	Yes
30	Frequency of interactions of CRs with Director/Vice Chancellor	4	4	Appreciating
31	Student's orientation before the beginning of Classes	100%	4	Satisfactory

E: Governance and Best Practices

Dealing with ethical issues of Nutrition and hydration
 Patients right in self determination
 Code of ~~ethics~~ ethics
 Collaborative ethical deliberation elements

32	<p>Strength of the Department:</p> <ol style="list-style-type: none"> 1. Pragmatic Approach: School of Health Sciences, Dept of Nutrition and Dietetics champions the cause of real time practical learning, leveraging students to learn, experiment, apply and evaluate their knowledge on a varied range of sample size. Comprehensive understanding of practically will make a driven professional. The department focuses on the hands-on training and experimentation with applicability of pioneer theories which lead the students to become a successful professional with a sustainable development. 2. It cultivates and up skill students in transferable domain based skill that are specifically applicable in a range of focus group, providing solutions and diagnostics. It also fosters critical thinking, research, effective communication, critical thinking, creativity and problem-solving skills. 3. Interdisciplinary approach is rigorously practiced in the department.
33	<p>Weakness of Department:</p> <ol style="list-style-type: none"> 1. Subjective and qualitative aspects must adhere to pioneering theories 2. Departmental events and activities should be in relatively higher in number as per regulatory bodies. 3. Streamlined documentation of data is required as a well kept archival 4. Emerging technologies must be engaged into their research and teaching practices. 5. The number of PhD faculties is relatively less; refer to regulatory body guidelines.

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34	New Initiatives taken by the Department			
	<p>1. Community engagement was established by making partnerships with local organizations, non-profits, and government agencies.</p> <p>2. Undergraduate students were provided with research opportunities, emerging technologies, off campus and on campus both.</p> <p>3. Skills developing strategies and practical such as practicality, critical thinking, communication, research methodologies, and interdisciplinary problem-solving.</p> <p>4. Sufficient number of activities and events are planned for upcoming session; also refer to regulatory body guidelines.</p>			
35	Planning for the next semester attached (Y/N)	Yes	Yes	Yes

Recommendations :

- To include adequate number of innovative teaching methods, emerging technology tools, focused on such as experiential learning, off and on campus training, project-based assignments, or flipped classrooms.
- Offering professional development opportunities to students, such as workshops, seminars, and career counseling services.
- Strict adherence to regulatory body guidelines in sync with departmental event planning and proactive participation of students.
- Focus more on developing employability skills and professional competency.
- Emphasize on inclusive pedagogical practice.

(Signature of the HOD with seal)
Date)

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Dept. of Pharmacy
Quantum University, Roorkee


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(Signature of Auditor with Name &

- Dr. Shobkshi, Asst. Professor, Dept. of
QSTS, QU, Roor.
- Dr. Kshiti J. Aggarwal
Hari College of Pharmacy,
Prof. (C.D.) Mayank Yadav
AVIPS, SU, Bangalore, SRE

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QUANTUM UNIVERSITY, ROORKEE

Quantum School of Health Sciences

Department of Applied Medical Sciences

Session: 2022-23

ACADEMIC & ADMINISTRATIVE AUDIT

Introduction

The organization conducted out an Academic and Administrative Audit in 2022-23 that consists of the academic, administrative and student-focused activities of the University. The following activities were taken into consideration and meticulously executed to improve the institution's quality.

Sl. No.	Suggestions	Action Taken
1.	Engage local community, organizations and non-profit govt. agencies to promote health awareness	The department has initiated in collaborating with Assess Community Needs, Create a Health Coalition, Develop Health Promotion Programs and Education and Awareness Campaigns
2.	Promote General Health awareness in nearby places	The university regularly practice such health awareness programs in nearby places in the name of PAHAL
3.	More employability skill components to be added in the	Compulsory employability skill-based papers incorporated in the Curriculum.

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	Curriculum	
4.	Promote Research oriented skills at UG level	The university promotes interdisciplinary studies, allow students to explore diverse perspectives and integrate knowledge from various fields.
5	Create a professional competency among students	The university has introduced experiential learning activities in the respective departments in order to give students hands-on experience and develop competency.
6	Incorporate a variety of advance ICT tools in health education	In the digital age, the institution is constantly facilitating dispense medications accurately, ensure drug safety, and streamline various operations related to health education and industry.
7	Strengthen career counseling policy	Career counseling department are well set up that assists students in finding internships and opportunities.

Conclusion

Based on the recommendations made by the AAA team, all the necessary steps have been taken in order to improve the institution's quality.

Signature

Academic Audit



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Academic Audit Report

Session: 2022-23

Department of Mechanical Engineering
Quantum School of Technology
Quantum University, Roorkee

QUANTUM UNIVERSITY, ROORKEE

Academic Audit Report

2022-23

(Filled in Performa to be submitted to the committee in both soft and hard copy)

Session: 2022-23

School: Quantum School of Technology

Name of the Department: Department of Mechanical Engineering

Name of Programs (Offered): Bachelor of Technology in Mechanical Engineering, Master of Technology in Thermal Engineering.

Date of Audit: 07/09/2022

S. No.	Audit Criteria	Self-Appraisal of Department	Auditor's Rating	Auditor's Recommendations
A. Curriculum and Teaching Learning Process				
1	Number of course files audited	18	3	Need to be improved
2	Percentage of courses where lesson plan was created, approved and uploaded on ERP	100%	4	Satisfactory
3	Number of courses in which the lectures are conducted as per Lesson Plan	90%	3.8	Satisfactory
4	Percentage of Lectures (in all courses) with ICT Tools	68%	2.5	Imply modern ICT tools.
5	Percentage of Lecture which demonstrated experiential, participative and	72%	3	The percentage of experiential participative and problem solving strategies should be monitored and increased

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	problem solving strategies			
6	Percentage of courses where CO-PO mapping is on ERP	100%	4	Satisfactory
7	Percentage of Course where teaching material is uploaded on QLRC/QMS before the commencement of classes	64%	2.4	To pursue transparency make sure that all of the institutional materials are submitted to QLRC/QMS.
8	Percentage of courses whose question-banks were evaluated and moderated by sub specialty Group	100%	4	Satisfactory
9	Percentage of courses in which 'Assignment-1' is mapped with CO-Outcome and Bloom's Taxonomy	80%	3.8	Assignment intensity must be checked before assigning to students
10	Percentage of courses in which 'Assignment-2' is mapped with Experiential/Participative Learning/ Problem Solving and assessed by the Sub Specialty Group	65%	2.5	Map the remaining course with A – 2 with experiential / participative learning/ problem solving approach
11	Percentage of courses in which Quizzes are mapped with CO-Outcome and Bloom's Taxonomy and assessed by Sub Specialty Groups	81.5%	3.8	Make it sure that all the courses with quizzes must be mapped with co-outcome and Bloom's Taxonomy and assessed by SSG without fail.

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12	Quality of ESE Question Papers as per mapping and Bloom's Taxonomy, Please rate on a scale of 0-4	3	3	The quality of ESE question papers must be appropriate for course's stage.
13	Quality of projects assigned to students in the beginning of semester , Please rate on a scale of 0-4	2.6	2	Project outcome must relate with current semester subjects.
14	Percentage of courses where all listed practical were conducted as per time table	85%	3.5	Satisfactory yet time to time monitoring is needed.
15	Quality of Lab Manuals and Procedures , Please rate on a scale of 0-4	2.5	2	Ensure lab procedure manuals must maintain academic cum industry standards.
16	How many VACs were conducted/planned in the session	2/2	2	Adequate in number.
17	Performance of teachers in uploading course material on QLRC, , Please rate on a scale of 0-4	3.6	3	New faculty members must be guided and facilitated in uploading course material.
18	Activities planned / executed as per policy of slow and fast Learners , Please rate on a scale of 0-4	3.3	3	Emphasis on 'inclusive pedagogy' to hold the hands of slow learners and develop the hidden abilities of fast learners.
19	Students' and teachers' feedback analyzed and ATR prepared	100%	4	Satisfactory
B:Evaluation Process				
20	Quality of evaluation in Assignments and Mid Semester Examination , Please rate on a scale of 0-4	3.4	3	The quality of evaluation is satisfactory also engage technology to maintain transparency.

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21	Quality of Projects submitted by the students , Please rate on a scale of 0-4	2.3	2	The quality of assigned projects by the students should be based on practical approach.
22	Quality of Assessment of the Projects (adhering the university policy) , Please rate on a scale of 0-4	2.3	2	The quality of assessment of the projects requires more adherences to university norms and protocols.
23	Quality of Lab Projects and Reports , Please rate on a scale of 0-4	2.9	2	Strengthen the alignment of lab projects and reports with learning outcomes.
24	Percentage of the courses where pass percent is below 70 %	9%	2	Needs major improvements by engaging minor teaching.
C: Co-Curricular Activities				
25	Percentage of activities not conducted as per Event Calendar of the Department	12%	2	Plan and execute all the activities beforehand to maintain the accuracy of event calendar.
26	Percentage of Event Calendar activities reported to Press Club/ ERP	92%	92%	Satisfactory
27	Activities planned / executed as per policy of Career Counseling , Please rate on a scale of 0-4	3.7	3	Satisfactory
D: Student Support				
28	Activities planned / executed as per Mentor Mentee Policy , Please rate on a scale of 0-4	3.8	3	Satisfactory
29	Appointment of CRs (Y/N)	Yes	Yes	Yes

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Dept. of Mechanical Engineering
Quantum University, Roorkee




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30	Frequency of interactions of CRs with Director/Vice Chancellor	2	2	CRs must be made free to arrange meeting and prepare an agenda.
31	Student's orientation before the beginning of Classes	100%	4	Satisfactory
E: Governance and Best Practices				
1. Incremental Development 2. Visual Task board 3. Design and Visualization 4. Precision and Accuracy 5. Iterative Design				
32	Strength of the Department <ul style="list-style-type: none"> 1. Active research programs, produce high-impact publications, and secure research grants and funding 2. A strong department offers dedicated career services and placement support to help students secure internships and job opportunities. 3. Adaptive and open to new trends and technologies in the field. 4. Having strong connections with industry partners and collaborations 			
33	Weakness of Department <ul style="list-style-type: none"> 1. Faculty Retention. 2. Lack of Diversity and Inclusion. 			
34	New Initiatives taken by the Department <ul style="list-style-type: none"> 1. Collaboration with Other Departments 2. Hosting Conferences and Symposia 3. Upgrading and expanding research and teaching laboratories 			
35	Planning for the next semester attached (Y/N)	Yes		Y

Academic Audit



Quantum University, Roorkee



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Dept. of Mechanical Engineering
Quantum University, Roorkee

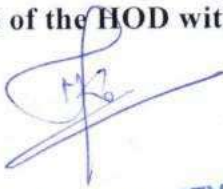



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Recommendations :

1. Emphasize project-based learning by assigning practical projects that simulate real-world engineering challenges. Collaborate with local municipalities or organizations to provide students with opportunities to work on community-based projects.
2. Develop professional competency among students to meet the contemporary requirements of the industry and society as well.
3. Integrate sustainable practices in engineering.
4. Foster research skills in students at UG level

(Signature of the HOD with seal)
& Date)



HEAD OF DEPARTMENT
Dept. of Mechanical Engineering
Quantum University, Roorkee

(Signature of Auditor with Name

1. (Prof. A. K. Khare)
2. Sarwendra Kumar (Ex Scientist
3. Dr. R. K. Prasad (Director B.T.M. Engg College)

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QUANTUM UNIVERSITY, ROORKEE

Quantum School of Technology

Department of Mechanical Engineering

Session: 2022-23

ACADEMIC & ADMINISTRATIVE AUDIT

Action Taken Report

Introduction

The organization conducted out an Academic and Administrative Audit in 2022-23 that consists of the academic, administrative and student-focused activities of the University. The following activities were taken into consideration and meticulously executed to improve the institution's quality.

Sl. No.	Suggestions	Action Taken
1.	Create a professional competency among students	The university has introduced experiential learning activities in the respective departments in order to give students hands-on experience
2.	Emphasize project-based learning	The department has initiated practical projects that simulate engineering challenges.
3.	Integrate sustainable practices in technology	The department constantly promotes Renewable Energy Integration, Sustainable Materials and so on.
4.	Encourage research oriented projects and	Research oriented projects are initiated in the department to contribute to advancement in technological knowledge and innovation.

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Dept. of Mechanical Engineering
Quantum University, Roorkee




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	innovations	
5	More entrepreneurship and start-up support for students	The university provides a platform of Startup Incubators and Accelerators, Mentorship Programs, Hackathons and Competitions
6	Focus on projects that have advance technology	The department strongly assigns projects that are related to emerging tech and trends and scope-oriented.
7	Strengthen career counseling policy	Career counseling department are well set up that assists students in finding internships and opportunities
8	Foster Interdisciplinary Approach of Education	The university promotes interdisciplinary studies that allow students to explore diverse perspectives and integrate knowledge from various fields.

Signature 
(Prof. A.K. Khan)

Sarvendra Kumar
(Ex Scientist CBRI Roorkee)

Dr. R.R. Prasad
(Director, B.S.H. Eng. College)

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