AGENDA FOR THE FOURTH ACADEMIC COUNCIL MEETING -2020

Scheduled to be held on 13th September 2020, Timing: 10:30 AM

Venue: Google Meet online Platform, Quantum University, Roorkee

Item No.	Agenda Points
Item No.4.1	To confirm the minutes of the third meeting of the Academic Council of Quantum University held on 25th Jan 2020.
Item No.4.2	To present an Action Taken Report (ATR) on the decisions / recommendations made in the Third Academic Council (AC) meeting of Quantum University held on 25th Jan 2020.
Item No.4.3	To consider and approve the Syllabus along with CO-PO mapping for all programs recommended by the concerned Board of Studies and Board of Faculty of specific programs for the session 2020-21. The Deans of the following faculty presented their syllabus as recommended by their Board of studies and Board of Faculty highlighting the key features of the syllabus of different programs being run.
4.3.1	Faculty of Technology
4.3.2	Faculty of Business and Management
4.3.3	Faculty of Graduate Studies
4.3.4	Faculty of Agricultural Studies
4.3.5	Faculty of Health Sciences
4.3.6	To consider and approve the Employability / Entrepreneurship/ skill courses in each program offered in the 2020-21 Session.
4.3.7	To propose the list of VAC's in various programs for session 2020-21 and to present the list of VAC's held in the 2019-20 session.
4.3.8	To propose the list of new introduced courses in various programs for the session 2020-21.
Item No 4.4	To consider and approve the admission prospectus for 2020-21, sanction intake of all the programs in respective schools and departments. The minutes of the admission committee meeting held 11th Sep 2020.
4.4.1	To approve the eligibility criteria, students' fees structure for all the programs for the 2020-21 session.
4.4.2	The minutes of the admission committee meeting held 11th Sep 2020

Registrar
Quantum University

Vice Chancellor
Quantum University
Roorkee, India

4.4.3	To consider and approve the Q-Care Entrance Exam System for the session 2020-21
Item No.4.5	To consider and approve the minutes of BOS and BOF, held for recommending syllabus for session 2020-21 of different courses being run in the university
Item No.4.6	To consider and approve the measures and actions taken for handling the situation arisen due to COVID-19, and to follow directives of Govt and UGC during lockdown
Item No.4.7	To consider and approve the appointment of faculty members and staff members, who have joined after the third Academic Council meeting and approve the minutes of the selection committees held in 2020-21.
Item No. 4.8	To report about the submission of a proposal to UGC for inspection.
Item No. 4.9	To submit the semester report of IQAC for the session 2019-20 and Annual report on events conducted for Quality Assurance for 2020-21.
4.9.1	To consider and approve the report of Feedback analysis and ATR of the session.2019-20
4.9.2	To consider and approve the report of CO-PO mapping and attainment of the session.2019-20
Item No. 4.10.1	To consider and approve the report of the activities related to slow and fast learners for session 2019-20 and identification of strategies for slow and fast learner for the session 2020-21.
4.10.2	To consider and approve the report of the activities related to Mentor Mentee in the session 2019-20.
Item No. 4.11	To approve the transfer of teaching and other staff from Quantum Global Campus to Quantum University's Roll for the session 2020-21.
Item No. 4.12	Incorporation of MOOC Courses in teaching learning and other online Learning Platform
Item No. 4.13	To report and consider admission in Ph.D. in July 2020
4.13.1	To approve the recognition of Guides for Ph.D Program and Number of Ph.D seats for July 2020 batch.
4.13.2	To report and approve the Minutes of the Research Development Committee (RDC) and School Research Committee (SRC) for approval.
Item No.4.14	To consider and approve COE's Report on Examination 2019-20 and to report the result analysis for End Semester Examinations held in June' 20 and Summer Semester 2019- 20
Item No. 4.15	To report various minutes of Board of Examination and University Academic Committee meetings.
Item No 4.16	New Industrial tie-ups for industry academia interaction.

Registrar
Quantum University

Vice Chancellor
Quantum University
Roorkee, India

Item No 4.17	To report about placement status and company visited in session 2019-20.
Item No 4.18	Appointment of Adjunct Faculty Members
Item No 4.19	To Approve the Student's Graduation for 2 year programs {MBA(2018-20) and CHM (2019-20)}
Item No 4.20	Provisional admission and submission of documents of qualifying examination as per letter from UGC directives vide letter number D.O.No.F.1-1/2020 (Secy)
Item No 4.21	To appraise the various reports to the Academic Council for their approval in BOM.
4.21.1	The appraise extension activities report for the session 2019-20.
4.21.2	To appraise the minutes of the meeting of URAB held on 25/09/2021 for the session 2021-22 along with details of seed money and other financial support.
4.21.3	To appraise the Annual Report of the various committees, monitoring activity of Grievances/Ragging cases for the session 2019-20.
4.21.4	To appraise the report for 2019-20 containing the minutes of the committee, various activities conducted for ensuring Code of Conduct of students and staff in 2019-20.
4.21.5	To appraise the annual report of the Student Council for the session 2019-20.
4.21.6	To appraise the annual academic audit report and its outcome along with ATR for the session 2019-20
4.21.7	To appraise the report of Research Projects applied for Govt/Non- Govt Fundings for 2020-21.
Item No. 4.22	To approve the Academic Calendar For the session 2020-21.
Item No 4.23	Any other agenda point with permission of Chair

Member-Secretary
Academic Council

Vice Chancellor
Quantum University
Roorkee, India

Registrar
Quantum University

MINUTES OF THE FOURTH MEETING OF THE ACADEMIC COUNCIL
DATE- 13ᵗʰ September 2020, Timing: 10:30 AM
Venue: Google Meet Online Platform, **Quantum University, Roorkee**.

The fourth (4ᵗʰ) meeting of the Academic Council of the Quantum University was held on September 13, 2020, at 10.30 AM, through online mode on Google Meet, under the Chairmanship of Prof. Vivek Kumar, Vice Chancellor, Quantum University Roorkee.

The following members were present at the meeting:

Mentor

1	Mr. Ajay Goyal, Chancellor, Quantum University

Members

2	Prof. (Dr.) Vivek Kumar, Vice Chancellor, Quantum University - Chairman
3	Dr. Ashu Rani, Professor & Dean, Kota University, Kota – Member
4	Dr. K. K. Pande, Dean, TMU, Moradabad – Member
5	Dr. Ajay Rana, Advisor, Amity University – Member
6	Dr. Gulshan Chauhan, Dean, School of Technology, Quantum University - Member
7	Dr. Amit Dixit, Dean, School of Graduate Studies, Quantum University - Member
8	Dr. Arun Pinauli, Senior Faculty Member, School of Business, Quantum University – Member
9	Dr. Praveen Sharma, Dean, School of Health Sciences, Quantum University - Member
10	Dr. N. Murugalatha, Senior Faculty Member, School of Agricultural Studies, Quantum University – Member
11	Dr. Ajit Nigam, Dean, School of Business, Quantum University - Member

Registrar
Quantum University

Vice Chancellor
Quantum University
Roorkee, India

Special Invitees

12	Mr. Shobhit Goyal, Vice Chairman, Quantum University - Special Invitee
13	Prof. (Dr.) A. K. Khare, Advisor Quantum University – Special Invitee
14	Dr. Rajeev Agarwal, Director, GL Bajaj Institute of Technology, Gr. Noida – Special Invitee
15	Dr. Girish C Saxena – Special Invitee

At the onset of the meeting, Prof. Vivek Kumar, Vice Chancellor and Chairman, Academic Council, welcomed the Chancellor and all the members & special Invitees to the 4th meeting of the Academic Council of Quantum University.

Before taking up the agenda points, he requested that the members join him to pray and seek the blessings of Lord Ganesha and Maa Saraswati.

The Chairman, Academic Council, apprised the members about the sad demise of Mr. R K Khare, Registrar and Member Secretary of the Academic Council, and Dr. Lokinder Kumar Tyagi, Dean, School of Business, and Member of the Academic Council and Board of Management of the Quantum University.

The members of the Academic Council expressed their condolences and appreciated the efforts and services rendered by them. The Council also observed two minutes of silence to pay homage to the departed souls.

The Chairman, Academic Council, further welcomed Prof. (Dr.) Ajit Nigam as a Dean, Quantum School of Business, and an ex-officio member of the Academic Council and Board of Management. The Chairman also gave a brief introduction to the Council, covering the details of his rich experiences.

In the absence of the Registrar and Member Secretary to the Council, the Chairman of the Academic Council took up the points further and presented the agenda before the members.
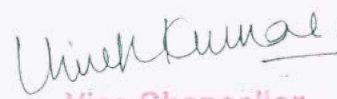
Item No. 4.1:-To confirm the minutes of the third meeting of the Academic Council of Quantum University held on January 25, 2020.

The minutes of the third meeting of the Academic Council held on January **25, 2020,** were circulated to the members through e-mail dated **February 20, 2020,** inviting comments. No comments were received from the members until the specified date (**20 March 2020**). The Academic Council confirmed the minutes.

Item No.4.2:-To present Action Taken Report (ATR) on the decisions / recommendations made in the Third Academic Council (AC) meeting of Quantum University held on January 25, 2020.

Registrar
Quantum University

Vice Chancellor
Quantum University
Roorkee, India

The ATR is presented in tabular form below, indicating the actions taken by the University on the decisions of the Council.Table

4.2.1: Action Taken Report

Item No.	Item Details	Action Taken
3.1	To confirm the minutes of the second meeting of the Academic Council of Quantum University held on July 13, 2019.	Minutes were confirmed.
3.2	To present Action Taken Report (ATR) on the decisions / recommendations made in the Second Academic Council meeting of Quantum University held on July 13, 2019	No further action was needed, and ATR was approved with the suggestion that the formation of the policy on the Women Welfare Cell and Grievance Redressal Cell should be relooked into. Policy formulation will be presented as a separate agenda point in today's meeting.
3.3	To approve the minutes of the Admission Committee (2019-20) and to report on the admitted students against the sanctioned intake along with the list of scholarships and the list of students against the reservation category.	Details were presented and approved by the council. As per the suggestion of the council, 2020-21 admissions are being done by forming an 'Admission Committee' whose minutes will be presented for approval in the next meeting as admissions are still on.
3.3.1	To Approve the Q Care Entrance Examination system for 2019-20.	It was approved that the Q Care examination system will be conducted during the admission process.
3.4	To consider and approve the panel of experts, the minutes of the selection committee and the appointments of faculty members and staff members who have joined after the second Academic Council meeting	The desired format of details was prepared and presented through the minutes of the meeting. The Faculty Appraisal System of the University is in a developmental phase.

Registrar
Quantum University

Vice Chancellor
Quantum University
Roorkee, India

3.5	To report and consider admission to the Ph.D. program in July 2019 and Progress made in Ph.D. Program	Details were updated as per the desired format and presented in the minutes of the meeting.
3.6	To report about progress report of Odd Semester 2019-20 of IQAC Cell : Operations and Initiatives	Details were presented in the meeting. No further action required
3.7	To consider and approve various policies for smooth functioning of the University. The following policies were framed after July 13, 2019. These policy documents are being reported to AC for consideration and approval. 1. Admission Refund Policy 2. IPR Policy 3. Research Paper Incentive Policy 4. Innovation Promotion Policy 5. Startup Promotion Policy 6. Incentives Policy for State, National and International Recognition 7. Plagiarism Policy/Code of Ethics in Research 8. Consultancy Policy 9. Quality Policy 10. Sustainable climate action policy 11. Gender Equity Policy 12. Alumini Association Policy	Implementation of approved policies is not done for the COVID'19 Situation. The focus on implementation of the policies will be taken by sessions 20-21 after settling down the current challenges imposed by COVID'19.
3.8	To report and approve the COE report 2018-19 containing the result analysis for End examinations held in December '18 and May' 19 and Summer Semester 2018-19.	Details were updated as per the desired format and presented in the minutes of the meeting, which were noted by the council.

Registrar
Quantum University

Vice Chancellor
Quantum University
Roorkee, India

3.9	To report various minutes of Board of Examination and University Academic Committee meetings	Formation was approved.
3.10	To report and approve Program structure, syllabi and course structure of BA-LLB, BBA-LLB and Ph.D. Course work	Program syllabi were approved.
3.11	To approve the recognition of guides for the Ph.D. program and number of Ph.D. seats for 2019-20 session.	Guides were approved. No further action required
3.12	To report to the Research Development Committee (RDC) and School Research Committee (SRC) for approval.	The committee was approved.
3.13	To submit the annual report of Quantum University for the 2018-19 session.	The document is sent for approval to the BOM and then to the BOG
3.14	To consider and appraise the Research Projects to be applied for Govt/Non- Govt Fundings for the session 2019-20.	Agendas were approved.
3.14.1	To appraise the minutes of the meeting of URAB held on 24/08/2019 for the session 2019-20 along with details of seed money and other financial support.	

Registrar
Quantum University

Vice Chancellor
Quantum University
Roorkee, India

3.15	To appraise and approve following agendas related to the start of the Programs 1. LLB-Program from 2020-21 session 2. Change the nomenclature of B. Sc. Radiology to BMRIT (Bachelor of Medical Radio Imaging Technology) with effect from 2019–20 sessions.	The agenda was forwarded to BOM for approval.
3.16	Points raised by Dr. Vinay Sharma, Invited member, AC	Approved.
3.17	Any other matter with the permission of chair	

Item 4.3: **To consider and approve the admission prospectus for 2020-21, sanction intake of all the programs in respective schools and departments. The minutes of the admissions committee meeting held on September 11, 2020.**

The member secretary presented the admission prospectus for 2020-21, sanctioning intake for all the programs in the respective schools and departments.

The Academic Council approved the admission prospectus for session 2020-21**(Appendix AC 4.1)**, and sanctioned the intake of all the programs in respective schools and departments **(Appendix AC 4.2).**

Item 4.3: **To consider and approve the Syllabus along with course outcomes, program outcomes and their mapping for all programs recommended by the concerned Board of Studies and Board of Faculty of specific programs for the session 2020-21**

The Deans of the following faculties presented their syllabus as recommended by their Board of Studies and Board of Faculty, highlighting the key features of the syllabus of the different programs being run.
4.3.1 Faculty of Technology
4.3.2 Faculty of Business and Management
4.3.3 Faculty of Agricultural Studies
4.3.4 Faculty of Graduate Studies
4.3.5 Faculty of Health Sciences
The Academic council approved the syllabus of the following:-

Registrar
Quantum University

Vice Chancellor
Quantum University
Roorkee, India

4.3.1 Faculty of Technology **(Appendix AC 4.7)**
4.3.2 Faculty of Business and Management **(Appendix AC 4.8)**
4.3.3 Faculty of Agricultural Studies **(Appendix AC 4.9**)
4.3.4 Faculty of Graduate Studies **(Appendix AC 4.10)**
4.3.5 Faculty of Health Sciences **(Appendix AC 4.11)**

4.3.6 To consider and approve the Employability / Entrepreneurship/skill courses in each program offered in the 2020-21 Session.

The member secretary presented the Employability / Entrepreneurship/skill courses in each program offered in the 2020-21 Session.

The Academic Council approved the Employability / Entrepreneurship/ skill courses in each program offered in the 2020-21 Session. **(Appendix AC 4.12)**

4.3.7 To propose the list of VAC's in various programs for session 2020-21 and to present the list of VAC's held in the 2019-20 session.

The member secretary presented the list of VAC's in various programs for session 2020-21 and the list of VAC's for 2019-20 session.

The Academic Council approved the **VAC's in various programs for session 2020-21 and presented the list of VAC's for the 2019-20 session. (Appendix AC 4.13 A)**

4.3.8 To propose the list of new introduced courses in various programs for the session 2020-21.

The member secretary presented the list of new introduced courses in various programs for session

2020-21, totaling 473 across the university.

The Academic Council approved the list of new introduced courses in various programs for session 2020-21. **(Appendix AC 4.13 B)**

4.4.1 To approve the eligibility criteria, and the fee structure for all the programs for the 2020-21 session.

The member secretary presented the **eligibility criteria, and student fee structure for all the programs for the 2020-21 session.**

The Academic Council approved **eligibility criteria (Appendix AC 4.3), student fee structure (Appendix AC 4.4).**

4.4.2 The minutes of the admissions committee meeting held on September 11, 2020

The member secretary presented the admissions committee meeting held on September 11, 2020.
The Academic Council approved the admissions committee meeting held September 11, 2020 **(Appendix AC 4.5)**

4.4.3 To consider and approve the Q-Care Entrance Exam System for the session 2020-21.

Registrar
Quantum University

Vice Chancellor
Quantum University
Roorkee, India

The Member Secretary presented the Q-Care Entrance Exam System for the session 2020-21. The Academic Council approved the Q-Care Entrance Exam System for the session 2020-21. **(Appendix AC 4.6)**

Item 4.5 :To consider and approve the minutes of BOS and BOF, held for recommending syllabus for session 2020-21 of different courses being run in the university

i. The syllabus and minutes of BOS and BOF for Faculty of Technology (Appendix 4.14)
ii. The syllabus and minutes of BOS and BOF for Faculty of Business (Appendix 4.15)
iii. The syllabus and minutes of BOS and BOF for Faculty of Graduate Studies (Appendix 4.16)
iv. The syllabus and minutes of BOS and BOF for Faculty of Agriculture (Appendix 4.17)
v. The syllabus and minutes of BOS and BOF for Faculty of Health Science (Appendix 4.18)

Since inception, the university has focused on skill development and integration of industry interactions for achieving university vision & mission, program outcomes, and program specific outcomes. The following **key measures** are taken at the time of syllabus designing.

a As a policy decision, every program at the university is planned to be blended with job related skills. Their TLP practices are conceived accordingly.
b Syllabus of many credit courses is woven around the integration of industry and their technologies as a key policy decision.
c The university is approaching the pre-final years/ final years of most of the programs. This concept is integrated into these syllabus designs. Early years syllabi were more focused on foundations and fundamentals.
d Provision of adjunct faculty members from industry, Industrial academic tie-ups with leading giants, and use of branded learning platforms for skills and advanced technologies (4IR) were incorporated compulsorily into the teaching and learning process of each program.
e Project based learning, peer group learning have been introduced in all programs

The Academic Council approved the BOS and BOF for the faculties of Technology, Business, Graduate studies, agriculture, and Health Sciences.

Item 4.6: To consider and approve the measures and actions taken for handling the situation arising due to COVID-19, and to follow directives of the government and UGC during lockdown

Various decisions were made to handle situations arising out of lockdown due to COVID-19 Pandemic for continuing the teaching learning process and Examinations for even semester 2019-20 and later odd semester 20-21 (23rd March 2020 to till Date). In this connection, University has apprised the esteemed members of Academic Council via Email sent on **6th May**

Registrar
Quantum University

Vice Chancellor
Quantum University
Roorkee, India

2020.

The actions taken in this connection are presented for consideration and approval.

Actions Taken to Meet the Challenges of COVID-19

1. To avoid the domestic and international people's mass gathering, the university administration decided to postpone IEEE conference, which was scheduled to be held on 11-12th March 2020. The university also postponed the annual fest Dharohar 2020 which was scheduled to be held on 23rd, 24th and 25th March. The members may kindly note.

2. For continuation of our teaching and learning process during the Lockdown period and conducting 1st sessional exams at the end of March, we conducted a meeting of UAC (University Academic Committee) on 18th March 2020 and decided on the following steps. These steps were subsequently approved by the Vice Chancellor.

3. The UAC recommended replacing the sessional examination by a special assignment for each subject. These special assignments were designed by the subject teachers. The Department coordinators and the Directors of school reviewed the complexity of questions in these special assignments. Students were given limited time to complete the assignments. They submitted a scanned handwritten solution of the assignment for each subject via their registered email-id by 9th April 2020. Teachers evaluated the assignments. The evaluation was reviewed by department coordinators, and samples were reviewed by the directors of schools. They incorporated moderations in the evaluation before final submission of marks to ERP. No assignment was accepted after 9th April 2020 and around 92% students have attempted these assignments. UAC also reviewed course coverage before lockdown. It was around 50% in most of the subjects. UAC decided to continue online classes via Google Classroom and University ERP. Live streaming was conducted through Google Meet and Zoom. UAC recommended recording the lectures for future use. A few teachers were allowed to deliver through pre-recorded classes as they were in remote areas and networking was an issue to go for live streaming. The UAC also suggested using available lectures on NPTEL and other learning platforms for better and more effective learning methods. Initially, until April 9, we conducted a timetable of 4 hours a day for each batch. Later, the time was extended to six hours a day

Registrar
Quantum University

Vice Chancellor
Quantum University
Roorkee, India

for every batch.

4. Programming and Software learning in B.Tech., BCA, MCA, minor courses, and VAP courses were conducted through online platforms like Cambridge Learning, Code Ginger, etc.

5. Every lecture was followed by a 'quick response' quiz session. These quizzes were held at the beginning of the next lecture to determine the level of understanding from the previous lecture. The responses to the quizzes were recorded and submitted to ERP for future assessment of the subject in the semester.

6. The Vice Chancellor, Directors, and Department Coordinators used these online class opportunities to evaluate the teaching style of a teacher by attending their lectures randomly.

7. The university also conducted online sessions as FDP and webinars for improvements in online TLP processes. A series of lectures delivered by professionals and Sr. professors on 'effective e- content delivery and the art of open book Questioning'.

8. The teachers utilized this opportunity to improve their skill sets by attending online courses organized by our academic partners and other offerings through the online platforms. The teachers also mapped Coursera courses to their own teaching courses. They offered these Coursera courses to students for better learning.

9. The University also planned to conduct the second sessional examination, which was scheduled to be held from May 8 to May 15, 2020. We decided to conduct an online test on our in-house developed and our domain hosted software.

10. Every faculty member carefully developed a question bank (MCQ) on the basis of pre-decided complexity, which consisted of three levels of questions (easy, moderate, and tough complexity). The software randomly picked the questions from the bank (guided by a set template) and presented them on the student's desktop. As the university was doing this kind of experiment for the first time in real time, various trial runs, verification & validation of questions and their answers were done by a team of sr. faculty members.

11. The second sessional exam was conducted to attempt 25 questions in a slot of 45 Minutes. The slots were notified to students in advance (a week before the commencement of examinations).

Registrar
Quantum University

Vice Chancellor
Quantum University
Roorkee, India

12. UGC issued a similar advisory on 29th April 2020 regarding COVID-19 Issues. On UGC recommendation, we also formed COVID-19 Cell in the university and empowered the cell to take appropriate actions regarding examinations and TL Process. The COVID Cell consists of all senior officials of the university, i.e., the Chancellor, Vice Chancellor, All Deans, COE, Management Representative (member of BOM), and Registrar as members. Dr. K.K. Pandey, Dean IQAC (also academic council member), and Sr. Advisor Dr. A.K. Khare (also BOM Members) were also invited to give their valuable suggestions.

13. The COVID Cell restructured the Academic Calendar for the rest of the period in the session (2019-20) and for session (2020-21). The salient features of the calendars and decisions of cell are as follows

14. The Semester examination will be of online mode, consisting of two segments
    1. MCQ (70% Weightage in marks, 1 hour duration, carrying 40 questions of 1 mark each)
    2. Open book assignment (30% Weightage, 2 hours duration, 3 Questions).

15. The methodology of selection questions for END Semester Examination was the same as that adopted for earlier examinations. The open book assignment was a time bound activity, and the student (examinee) submitted the response for a limited (assigned) duration only. Only COE was allowed to relax the duration in case of network failure from either side for this purpose; one online exam cell helpline was created that was able to store real-time student's problems. COE sought approval from the Vice Chancellor for the production of valid proof.

16. The cell also decided that all Lab courses, project vivas, and lab vivas of students will be conducted online in the presence of external and internal examiners and in recorded online sessions. The candidate will be required to submit a digital copy of his/her project thesis in digital form at the time of viva voce (time stamped) and later printed copy (when lockdown is lifted) to the examination department.

17. The cell decided to organize Ph.D. Coursework Classes online as per the schedule laid down before lockdown period and approved by the academic council.

18. The cell decided to start a fresh session (20-21) of 2nd, 3rd, and 4th Year classes on 10 th August 2020. Cell decided to provide sufficient training to faculty members for online

Registrar
Quantum University

Vice Chancellor
Quantum University
Roorkee, India

classes, which are conducted by specialists of the domain. Cell decided to develop a Standard Operating Procedure for Online classes so that all faculty members follow common practices and will be able to give better TLP experiences.

19. Cell recommended enhancing the IT infrastructure of the University ERP so that Teaching and learning may be done in a more integrated and controlled environment.

20. On the lifting of lockdown, these batches will cover left over lab classes of the current semester for the first ten days. The cell also suggested participation in MHRD virtual labs offered by various IITs as a regular feature.

21. 1st year classes are proposed to start on September 21, 2020, for the next session.

22. The cell decided to relax 'debarred' status for current semester (Jan-May, even, 2019-20). The Cell proposed to start summer semester for odd semester (July-Dec, odd, 2019-20) debarred classes from 11th June 2020 and their exam will be conducted at the end of July. Similarly, the cell also proposed to give one more chance to students who have missed the online mode of ESE (Jan-May, 2019-20), conducted in May.

23. Events and ceremonies of the university, like student orientation in the fresh semester, Boot Camps, parent orientations, and foundation classes, will be done online only in the event that COVID conditions and lockdown prevails after 15th August 2020. Before the COVID situation, the university had also planned to conduct the 1st Convocation at the end of August or beginning of September 2020 which may be postponed/canceled/changed format due to COVID conditions. The matter of convocation will be put up in the next meeting of the Board of Management.

The decisions taken so far are presented for consideration and the approval of the council.

The Academic Council approved the measures and actions taken to handle the situation arising due to COVID-19, and to follow directives of Govt and UGC during lockdown

Item 4.7 : **To consider and approve the appointment of faculty members and staff members, who have joined after the third Academic Council meeting and approve the minutes of the selection committees held in 2020-21.**

Registrar
Quantum University

Vice Chancellor
Quantum University
Roorkee, India

The member Secretary presented the list of faculties appointed after the third academic council meeting and the minutes of the selection committee held in 2019-20.

The academic council approved the **appointment of faculty members and staff members (Appendix AC 4.19), who have joined after the third**

Academic Council meeting and approve the minutes of the selection committees held in 2019-20. (Appendix AC 4.20)

Item 4.8 : To report about the submission of a proposal to UGC for inspection.

The member secretary informed the Council that due to COVID,COVID the construction work hasdelayed,elayed and therefore the building which was scheduled to be completed before the Inspection has not been handed over to the University. The Inspection is deferred till the completion. The Member Secretary requested to approve the consent of deferment of the Inspection so that the same may be requested at UGC.

The Academic Council approved the deferment of Inspection until the building is commissioned by the University.

Item 4.9: To submit the semester report of IQAC for the session 2019-20 and Annual report on events conducted for Quality Assurance for 2020-21.

The Vice Chancellor presented the annual report of IQAC for the session 2019-20 and the annual report on events conducted for Quality Assurance for 2020-21.

The Academic Council approved the annual report of IQAC for the session 2019-20 **(Appendix AC 4.21)** and Annual report on events conducted for Quality Assurance for 2020-21. **(Appendix AC 4.22)**

4.9.1 To consider and approve the report of Feedback analysis and ATR of the session. 2019-20

The Dean of IQAC presented the report of Feedback analysis and ATR for the session 2019-20. The Academic Council approved the report of feedback analysis and ATR of the session 2019-20 **(Appendix AC 4.23)**

4.9.2 To consider and approve the report of CO-PO mapping and attainment of the session 2019-20

Registrar
Quantum University

Vice Chancellor
Quantum University
Roorkee, India

The Dean Academics presented the report on CO-PO Mapping of the session 2019-20.
The Academic Council approved the report of CO-PO Mapping for the session 2019-20.**(Appendix AC 4.24)**

Item 4.10.1 To consider and approve the report of the activities related to slow and fast learners for session 2019-20 and identification of strategies for slow and fast learners for session 2020-21.

The member secretary presented the report of the activities related to slow and fast learners for the session 2019-20 and identification of strategies for slow and fast learners for the session 2020-21.

The Academic Council made a few suggestions.

After discussions and suggestions, the Academic council approved the report of the activities related to slow and fast learners for the 2019-20 session **(Appendix AC 4.25)** and identification of strategies for slow and fast learners for the 2020-21 session.

Few suggestions for the session 2020-21 are-Involving students in online activities, Webinars, Quizzes, MOOC Programs, Skill Development programs, Online internships, etc.

4.10.2 To consider and approve the report of the activities related to Mentor Mentee in the session 2019-20.

The member secretary presented the report of the activities related to Mentor Mentee in the session 2019-20.

The Academic Council approved the report of the activities related to Mentor Mentee in the session 2019-20. **(Appendix AC 4.26)**

Item 4.11: To approve the transfer of teaching and other staff from Quantum Global Campus to Quantum University's Roll for the session 2020-21.

The member secretary presented the list of transfers of teaching and other staff from Quantum Global Campus to Quantum University's Roll for the session 2020-21.

The Academic Council approved the list of transfers of teaching and other staff from Quantum Global Campus to Quantum University's Roll for the session 2020-21. **(Appendix AC 4.27)**

Item 4.12: Incorporation of MOOC Courses in teaching learning process and other online Learning Platform

Please take reference to Quantum University's Academic Regulation, regulations; there for provision of MOOC Courses. UAC took the decision to start the MOOC Course as per the guidelines. Standard Operating Procedure is presented here for consideration and approval.

The Academic Council approved the Incorporation of MOOC Courses in teaching learning and other online Learning Platform.

Item 4.13: To report and consider admission in Ph.D. in July 2020
In Session 2020-21, the University notified admission in Ph.D. Program in the newspapers and

Registrar
Quantum University

Vice Chancellor
Quantum University
Roorkee, India

university website, after finalizing the number of seats available in various disciplines. The candidates applied online, which were given unique admission id. University conducted remote proctored online entrance test (QURAT JULY 20) followed by interview for Qualified candidate as per guidelines of Ph.D ordinance. Final merit (70% Weightage of QURAT JULY 20 and 30% Weightage of Interview) was published on university website. The summary of Ph.D. Admission Process for July 20 is given in table 4.14.1. The coursework for July 20 will start on 10th September 2020. The Council may kindly note.

Table 4.14.1: Ph.D. Statistics for QURAT (Ph.D. entrance test) July 2020

S.No.	Ph.D Cycle	Department	Vacancies Notified	Number of applications received	Number of applicant qualified in QURAT examination	JRF Qualified and Exempted from QURAT	Number of Applicant finally admitted
1	July'20	CSE	14	24	22	0	13
2	July'20	ME	8	0	0	0	0
3	July'20	CE	0	0	0	0	0
4	July'20	ECE	3	4	4	0	1
5	July'20	Business Admn	24	6	2	1	2
6	July'20	N&D	11	2	1	0	0

4.13.1 To approve the recognition of Guides for Ph.D Program and Number of Ph.D seats for July 2020 batch.
The Dean Research presented the list of Guides for Ph.D Program and Number of Ph.D seats for July 2020 batch.
The Academic Council approved the list of Guides for Ph.D Program and Number of Ph.D seats for July 2020 batch. **(Appendix AC 4.28)**

4.13.2 To report and approve the Minutes of the Research Development Committee (RDC) and School Research Committee (SRC) for approval.

Registrar
Quantum University

Vice Chancellor
Quantum University
Roorkee, India

The Dean Research presented the Research Development Committee (RDC) and School Research Committee (SRC) for approval.

The Academic Council approved the MOM of the Research Development Committee (RDC) and School Research Committee (SRC).

(Appendix AC 4.29

Item 4.14: To consider and approve COE's Report on Examination 2019-20 and to report the result analysis for End Semester Examinations held in June' 20 and Summer Semester 2019- 20

The analysis is presented in Table 4.14.1, Table 4.14.2 and Table 4.14.3 for showing the result of June 20 for first, second years and Summer Semester 2019-20 examinations, respectively, for the kind consideration of the council. **(Appendix Ac 4.30)**

Table 4.14.1: Final Result 2019-20 Session of 2nd Year (2018 Entry)

S.No.	Program	Year	Total Students admitted in the second year	%Pass with no carry over
1	B.A. (Hons.) Economics	2	3	100
2	B.Com	2	63	98.49
3	B.Sc (Hons.) Agriculture	2	165	90.91
4	B.Sc (Hons.) Chemistry	2	4	100
5	B.Sc (Hons.) Mathematics	2	10	100
6	B.Sc (Hons.) Physics	2	5	100
7	B.Sc (Nutrition and Dietetics)	2	17	100
8	B.Sc (Radiology)	2	22	100
9	B.Tech	2	159	97.36
10	BA (Hons.) Journalism and Mass Comm	2	22	100
11	BBA	2	75	100
12	BCA	2	40	94.44
13	BHM - Bachelors In Hotel Management	2	21	93.75
14	Diploma	2	82	94.38

Registrar
Quantum University

Vice Chancellor
Quantum University
Roorkee, India

S.No.	Program	Year	Total Students admitted in the second year	%Pass with no carry over
1	B.A. (Hons.) Economics	2	3	100
2	B.Com	2	63	98.49
3	B.Sc (Hons.) Agriculture	2	165	90.91
4	B.Sc (Hons.) Chemistry	2	4	100
5	B.Sc (Hons.) Mathematics	2	10	100
6	B.Sc (Hons.) Physics	2	5	100
7	B.Sc (Nutrition and Dietetics)	2	17	100
8	B.Sc (Radiology)	2	22	100
15	M.Tech	2	6	100
16	MBA	2	21	95
17	MCA	2	24	90.48
18	Diploma in Pharmacy	2	57	94.7
23	B.Voc	2	137	100

Registrar
Quantum University

Vice Chancellor
Quantum University
Roorkee, India

Table 4.14.2: Final result 2019-20 Session of 1st Year (2019 Entry)

S.No.	Program	Year	Total Student Applied in 1st Year Examination	Pass with no carry over
1	B.A. (Hons.) English	1	8	100
2	B.A. (Hons.) Psychology	1	8	100
3	B.Com	1	38	96.08
4	B. Pharma	1	56	80.77
5	B.Sc (Hons.) Agriculture	1	109	98.96
6	B.Sc (Hons.) Chemistry	1	9	100
7	B.Sc (Hons.) Mathematics	1	12	90.91
8	B.Sc (Hons.) Physics	1	11	90
9	B.Sc (Nutrition and Dietetics)	1	17	84.62
10	B.Sc (Radiology)	1	31	93.1
11	B.Sc Animation and Vfx	1	7	100
12	B.Sc UI and Graphics Design	1	8	100
13	B.Tech	1	174	88.0475
14	BA (Hons.) Journalism and Mass Comm	1	22	93.75
15	BBA	1	92	98.65
16	BBA LLB (Hons)	1	3	100
17	BCA	1	47	97.67
18	BHM - Bachelors In Hotel Management	1	13	100
19	Certificate in Hotel Management	1	5	100
20	Diploma	1	103	78.41
21	M.Sc (Nutrition and Dietetics)	1	8	100

Registrar
Quantum University

Vice Chancellor
Quantum University
Roorkee, India

22	M.Tech	1	5	100
23	MBA	1	31	100
24	Diploma in Pharmacy	1	57	92.2
25	B.Voc	1	38	100

Table 4.14.3: Summer Semester Statistics 2019-20

Result Analysis Summer Semesters 2019- 2020				
Semester	Total Instances 'DB' Grade Applied	Total Instances 'F' grade Applied	Total Instances Appeared	Total Instances Passed in reexamination 2019-20
1st	134	356	490	445
2nd	396	456	852	756
3rd	165	238	403	389

Item 4.15: **To report various minutes of Board of Examination and University Academic Committee meetings.**

For the smooth functioning of the Examination System and Academic Processes, BOE and UAC conducted various meetings after 25th Jan 2020. The minutes of various meetings are presented for approval of the Council.

The Academic Council approved the report of various minutes of Board of Examination (Appendix AC 4.31) and University Academic Committee meetings.(Appendix Ac 4.32)

Item 4.16: New Industrial tie-ups for industry academia interaction.

The member secretary presented the New Industrial tie-ups for industry academia interaction. The Academic Council approved the New Industrial tie-ups for industry academia interaction.

Table 4.17.1 Details of tie-ups after last Academic Council (*after 25th Jan 2020*)

Registrar
Quantum University

Vice Chancellor
Quantum University
Roorkee, India

S.No.	Company Name	Domain	Purpose
1.	Google Inc.	Cloud Services	Google Cloud Courses, Google Student Activity Center, Google Platform Services, Faculty Development, Delivery of the course are provided by Google Inc Presently, a series of courses is implemented in BCA, B.Tech (CSE) and MCA course curriculum as credit course.
2.	IBM	Skill Building and Online Learning Platform	IBM Skill build program caters more than 1000 courses on essential skill and 4IR skills. The university has entered MoU with IBM CSR associate through which all courses on COURSERA, UDEMY, IBM Skill Build and other learning platforms are available for the university access. Cross university project may be mentored by Quantum university, similarly, QMATES can take part in projects of other associates of IBM (foreign university and domestic universities) The University decides to integrate the IBM skill build programs in the VAP and skill courses being in the various departments Through MoU, All QMATES will get access of IBM Learning Platform for the life time even after graduation
3.	Automation Any Where, USA	Robotics World's one of the Largest RPA Company	Software, training and Projects on Robotics Process Automation (RPA) will be given by the company. This is included as credit course in B.Tech. (Hons) Mechatronics

Registrar
Quantum University

Vice Chancellor
Quantum University
Roorkee, India

S.No.	Company Name	Domain	Purpose
1.	Google Inc.	Cloud Services	Google Cloud Courses, Google Student Activity Center, Google Platform Services, Faculty Development, Delivery of the course are provided by Google Inc Presently, a series of courses is implemented in BCA, B.Tech (CSE) and MCA course curriculum as credit course.
2.	IBM	Skill Building and Online Learning Platform	IBM Skill build program caters more than 1000 courses on essential skill and 4IR skills. The university has entered MoU with IBM CSR associate through which all courses on COURSERA, UDEMY, IBM Skill Build and other learning platforms are available for the university access. Cross university project may be mentored by Quantum university, similarly, QMATES can take part in projects of other associates of IBM (foreign university and domestic universities) The University decides to integrate the IBM skill build programs in the VAP and skill courses being in the various departments Through MoU, All QMATES will get access of IBM Learning Platform for the life time even after graduation
4.	TCS	Online Learning Platform	Online Learning Platform and Platform for Competitive Programming for CSE Students

Registrar
Quantum University

Vice Chancellor
Quantum University
Roorkee, India

S.No.	Company Name	Domain	Purpose
1.	Google Inc.	Cloud Services	Google Cloud Courses, Google Student Activity Center, Google Platform Services, Faculty Development, Delivery of the course are provided by Google Inc Presently, a series of courses is implemented in BCA, B.Tech (CSE) and MCA course curriculum as credit course.
2.	IBM	Skill Building and Online Learning Platform	IBM Skill build program caters more than 1000 courses on essential skill and 4IR skills. The university has entered MoU with IBM CSR associate through which all courses on COURSERA, UDEMY, IBM Skill Build and other learning platforms are available for the university access. Cross university project may be mentored by Quantum university, similarly, QMATES can take part in projects of other associates of IBM (foreign university and domestic universities) The University decides to integrate the IBM skill build programs in the VAP and skill courses being in the various departments Through MoU, All QMATES will get access of IBM Learning Platform for the life time even after graduation
5.	Reliance Capital	Finance	One month long Training given by Reliance Capital Team for preparing BBA and B.Com final year students followed Job placements in Reliance industry.

Registrar
Quantum University

Vice Chancellor
Quantum University
Roorkee, India

S.No.	Company Name	Domain	Purpose
1.	Google Inc.	Cloud Services	Google Cloud Courses, Google Student Activity Center, Google Platform Services, Faculty Development, Delivery of the course are provided by Google Inc Presently, a series of courses is implemented in BCA, B.Tech (CSE) and MCA course curriculum as credit course.
2.	IBM	Skill Building and Online Learning Platform	IBM Skill build program caters more than 1000 courses on essential skill and 4IR skills. The university has entered MoU with IBM CSR associate through which all courses on COURSERA, UDEMY, IBM Skill Build and other learning platforms are available for the university access. Cross university project may be mentored by Quantum university, similarly, QMATES can take part in projects of other associates of IBM (foreign university and domestic universities) The University decides to integrate the IBM skill build programs in the VAP and skill courses being in the various departments Through MoU, All QMATES will get access of IBM Learning Platform for the life time even after graduation
6.	Hacker Shala	Cyber Security	Aspirants and Student's outreach, Training and Projects on Cyber Security

Registrar
Quantum University

Vice Chancellor
Quantum University
Roorkee, India

Item 4.17 To report about placement status and company visited in session 2019-20.

The member Secretary presents the report about placement status and company visits in the session 2019-20

The Academic Council approved the report about placement status and company visits in the session 2019-20. **(Appendix AC 4.33)**

Item 4.18: Appointment of Adjunct Faculty Members

After understanding the requirement of Skill Enhancement in various fields, universities have hired following adjunct faculty members for industry based TLP in the current semester. The University has developed Standard Operating Procedure for appointment of Adjunct Faculty Members. The details related to Adjunct Faculty Members are presented for the kind considerations and approval.

S.No.	Name of Adjunct Faculty	Affiliation	Field and Domain
1.	Mr. Pushker Srivastava, MJC, MBA	Associate Professor Sharda University	Journalism
2.	Mr. Tushar, MFA	Sr. Designer 3D I-NEXT Pvt Lmt	VFX and Animation
3.	Ms. Geesha Kuttan, MFA	Sr. Graphics Designer, Freelancer	VFX and Animation
4.	Ms. Afra Khan, MFA	Sr. Graphic Designer, Viacom	VFX and Animation
5.	Mr. Devesh Srivastava, Master of Journalism	Sr. Journalist Outlook	Journalism
6.	Mr. M. Gudavalli, MFA	Rtd Chief Camera Person, NDTV and Aajtak	Journalism
7.	Mr. Arun Kumar, M.Tech	Ph.D. Scholar, IIT Dhanbad	Petroleum
8.	Mr. G.S. Dang, M.Tech.	Dy Director, IIPM, Ddun	Petroleum

Registrar
Quantum University

Vice Chancellor
Quantum University
Roorkee, India

Item 4.19: To Approve the Student's Graduation for 2 year programs {MBA(2018-20) and CHM (2019-20)}

Students of two-year programs like **MBA (2018-20) and CHM (2019-20)** have successfully passed the programs at the end of session 2019-20. Details of graduating students are presented for consideration and approval.

S.No.	Name of Program	Number of students admitted (session 19-20)	Number of students successfully completed the course and eligible for award for Degree/ diploma*
1	MBA	21	18
2	CHM	05	03

*on the basis of End Semester Result 2019-20

Item 4.20: Provisional admission and submission of documents of qualifying examination as per letter from UGC directives vide letter number D.O.No.F.1-1/2020 (Secy)

As per Honorable Supreme Court's guidelines, many universities are conducting their examinations of the terminal semester before 30th September 2020. UGC has allowed taking provisional admission of these students in a program. In such a situation, the last date of submitting the documents for the qualifying examination is proposed to be 30th November 2020. The proposed last date may kindly be approved.

Registrar
Quantum University

Vice Chancellor,
Quantum University
Roorkee, India

Item 4.21: To appraise the various reports to the Academic Council for their approval in BOM.

4.21.1 The appraise extension activities report for the session 2019-20.
The Member secretary presented the report of extension activities for the session 2019-20.
The Academic Council appraised the report of extension activities for the session 2019-20.**(Appendix AC 4.34)**

4.21.2 To appraise the minutes of the meeting of URAB held on 25/09/2021 for the session 2021-22 along with details of seed money and other financial support.
The Member secretary presented the minutes of the meetings of URAB held on **25/09/2021** for the session 2021-22 along with details of seed money and other financial support.
The Academic Council appraised the minutes of the meeting of URAB held on **25/09/2021** for the session 2021-22 along with details of seed money and other financial suppor**t (Appendix AC 4.35)**

4.21.3 To appraise the Annual Report of the various committees, monitoring activity of Grievances/Ragging cases for the session 2019-20.
The Member secretary presented the Annual Report of the various committees, monitoring activity of Grievances/Ragging cases for the session 2019-20.
The Academic Council appraised the Annual Report of the various committees, monitoring activity of Grievances/Ragging cases for the session 2019-20. **(Appendix AC 4.36)**

4.21.4 To appraise the report for 2019-20 containing the minutes of the committee, various activities conducted for ensuring Code of Conduct of students and staff in 2019-20.
The Member Secretary presented the report for 2019-20 containing the minutes of the committee, various activities conducted for ensuringCode of Conduct of students and staff in 2019-20.
The Academic Council appraised the report for 2019-20 containing the minutes of the committee, various activities conducted for ensuringCode of Conduct of students and staff in 2019-20. **(Appendix AC 4.37)**

4.21.5 To appraise the annual report of the Student Council for the session 2019-20.
The Member secretary presented the annual report of the Student Council for the session 2019-20.
The Academic Council appraised the annual report of the Student Council for the session 2019-20.**(Appendix AC 4.38)**

4.21.6 To appraise the annual academic audit report and its outcome along with ATR for the session 2019-20.
The Member secretary presented the annual academic audit report and its outcome along with ATR.
The Academic Council appraised the annual academic audit report and its outcome along with ATR.**(Appendix AC 4.39)**

Registrar
Quantum University

Vice Chancellor
Quantum University
Roorkee, India

2.21.7 To appraise the report of Research Projects applied for Govt/Non- Govt Fundings for 2020-21.

The Member secretary presented the report of Research Projects applied for Govt/Non- Govt Fundings for 2020-21.

The Academic Council appraised the report of Research Projects applied for Govt/Non- Govt Fundings for 2020-21. **(Appendix AC 4.40)**

Item 4.22 to approve the Academic Calendar for the session 2020-21.

The member secretary presented the Academic Calendar for the session 2020-21

The academic Council approved the Academic Calendar for the session 2020-21 **(Appendix AC 4.41)**

Item 4.23: Any other agenda point with permission of Chair.

No further discussion was taken. The Meeting was ending with vote of thanks

X-X-X

Vice Chancellor
Quantum University
Roorkee, India

Registrar
Quantum University

QQ
Quantum
UNIVERSITY
ROORKEE INDIA

Roorkee – Dehradun Highway NH-73, 22KM Mile Stone, Village Mandawar, PO
Chhutmalpur, Roorkee – 247 167 **(UTTARAKHAND)**

NOTICE

Dated: March 18, 2020

All the Faculty of Quantum University

This is to inform that due to the ongoing outbreak of COVID-19, the University Academic Committee has decided to take some important measures concerned with the ongoing Academic Assessments.

1. The first Sessional Exam scheduled from March 28th 2020 has been replaced with a Special Assignment. The submission of Special Assignment is compulsory for students. The marks awarded will replace the Sessional-1 marks. The students need to submit the Assignment on the very first day of the resumption of classes which will be notified as soon as we receive further directives from the Government of Uttarakhand

2. The Format for special Assignment and details is attached. Kindly ensure that the questions are moderate to difficult level. Please delete any Assignment 2 files if already uploaded by you on ERP. Then upload one file only named **"Special Assignment"** on ERP categorized under type-**"Assignment"**, Marks **"50"**

3. The faculty is required to send one soft copy to HOD/Department Coordinator and also upload the assignment in the given format on ERP. The last date of submission of the Special Assignment is 19th march 2020.

4. For 3rd Year and 4th Year programs the Special Assignment needs to be emailed to the students by their respective Departments in a single email comprising all the theory subjects.

5. HOD/Department Coordinator need to ensure the complexity of the Assignments and submit a matrix to their respective Deans of the Assignments uploaded subject wise

6. The Quiz 2 is postponed and will be conducted once the classes resume.

18/3/2020

Registrar
Quantum University

18/3/2020

7. All scheduled flip presentations are postponed and will be rescheduled once the classes resume. Kindly advise the students to work on their presentations in the meantime.

Additionally the UAC also advises the faculty to:

8. Finish Attendance verification may be completed as soon as possible

9. The planning for MOOC courses is underway and departments are requested to fill the online Google form for suggestions of the upcoming MOOC courses for the students. The courses should be 12 weeks offering upto 30-40 hrs.

10. Faculty is advised to utilize the period until class resume to upload the complete Notes for their respective courses on ERP. The notes may be uploaded unit-wise latest by 25th March 2020. HOD/Coordinators are requested to ensure compliance.

11. The faculty is advised to utilize the period to further work on their research papers

12. Syllabi that need to be revised may be followed up.

18/3/2020

Vivek Kumar.
18/3/2020

Registrar
Quantum University

Minutes of Meeting

Date: 24th August, 2020

An academic review meeting was held on 24.08.2020 (Monday) at 10.30 AM through video conferencing to discuss and review the academic progress of the current semester started from 12-08-2020. The meeting was chaired by Hon'ble Chancellor Mr. Ajay Goyal. The following members attended the meeting:-

1. Prof. Vivek Kumar
2. Er. Shobhit Goyal
3. Dr. Gulshan Chauhan
4. Dr. Ajit Nigam
5. Dr. Naveen Rawat
6. Dr. Praveen Kumar
7. Dr. N. Muruglatha Kannan
8. Ms. Saloni Arora
9. Dr. Rakhi Sharma
10. Mr. Satender Kumar
11. Mr. M. Kannan
12. Mr. Karan Babbar
13. Mr. Guru Prabhat
14. Mrs. Neeta Sharma
15. Dr. Ram Singh
16. Dr. Arun Painuli

The following points were discussed in the meeting.

1. All the HODs/ Deptt. Coordinators mentioned that uploading of Syllabus and creation of Lesson Plan on ERP is completed except the BJMC courses.

Registrar
Quantum University

2. The course file either in hard or soft copies will be prepared coursewise in the standard format and minimum with first three units study material. These course files will be submitted by the respective HODs/ Coordinators to respective Director for checking latest by 31-08-2020

3. All the Deptt. Coordinators mentioned that all the students have aleady registered for the respective MOOC courses. Er. Shobhit Goyal asked to collect the snap shot of registerd link from the students by the respecve deptt Coordinator and send a list to the concerned Director also within a week.

4. All the HODs/ Deptt. Coordinators will identify the courses from the the IBM platform and submit a detailed list of the courses selected by their respective Deptt. keeping in mind that each and every student may be enrolled atleast in one course. This list has to be submitted to the Vice Chancellor through Director latest by 29-08-2020.

5. All the HODs/ Deptt. Coordinators will ensure the calling to the non registerd students by their respective Class Advisors/ Mentors and ask the students to get register immediately as the smester is already begun. A calling report has to be submitted by HODs/ Deptt. Coordinators to the respective Director latest by 29-08-2020.

6. A notice about the minimum attendance criteria for the current semester to appear in the end semester examination will be issed by the Dean Academics. All the HODs/ Deptt. Coordinators are requied to keep a track of the attendance and sensitize the students of their respective Deptt from time to time about the importance of attendance.

7. Dr. Rakhi Sharma shared that MHRD has launched a virtual lab platform recently to conduct the practical experiments of various courses online. All the HODs/ Deptt. Coordinators are requested to through this platform and identify the labs that can be conducted thrugh virtual labs. A detailed report on the virtual labs has to be submitted to the Director and Vice Chancellor latest by 31-08-2020 by all the HODs/ Deptt. Coordinators.

8. All the Faculty members have to record the 6-7 video lectures per theory course (not more than 25 minutes duration each) and either in the University

Registrar
Quantum University

recording room or in homes and 3 for the Practical Classes. These videos will be uploading on the youtube channel of the university after screening by the screening committee. All the HODs/ Deptt. Coordinators will ensure the recoding of lectures and practical videos of their respective Deptts in consulatation with Directors. University youtube channel will be created by the system admin under the guidance of Vice Chancellor.

9. The academic calander for the current semester will be issed by Hon'ble vice chancellor with in a week.

10. The VAP Coordinator was asked to include the IBM platform courses in the VAPs

11. Hon'ble Chancellor asked to conduct an online fest in this COVID 19 situation. The Passion Programs Coordinator will prepare a blue print under the guidance of vice Chancellor and submit a detailed report.

12. A joining notification has to be prepared for online mode starting of session on 21-09-2020 online mode for the students of First year.

13. The end semesater examination notification issued by the UBTER will be shared to the respective students to inform them about the UBTER decision regarding the examination.

The meeting was concluded with thanks to the chair.

(Dr. Gulshan Chauhan)

Dean Academics
& Director

Registrar
Quantum University

Cc: Chancellor / Vice Chancellor / Secretary / Registrar/ Deans / Directors / COE/ HODs / Concerned Deptt. Coordinators / Concerened Faculty Members

Minutes of Meeting

Date: 03rd September, 2020

An academic review meeting was held on 01.09.2020 (Tuesday) at 3.00 PM through video conferencing to discuss and review the academic progress on the points discussed during the review meeting of 24-08-2020. The meeting was chaired by Hon'ble Chancellor Mr. Ajay Goyal. The following members attended the meeting:-

1. Prof. Vivek Kumar
2. Er. Shobhit Goyal
3. Dr. Gulshan Chauhan
4. Dr. Ajit Nigam
5. Dr. Naveen Rawat
6. Dr. Amit Dixit
7. Dr. Praveen Kumar
8. Dr. N. Muruglatha Kannan
9. Ms. Saloni Arora
10. Dr. Rakhi Sharma
11. Mr. Satender Kumar
12. Mr. M. Kannan
13. Mr. Karan Babbar
14. Mr. Guru Prabhat
15. Mrs. Neeta Sharma
16. Dr. Ram Singh
17. Dr. Arun Painuli
18. Dr. Kamlesh Singh
19. Dr. Chandni Sharma
20. Mr. Kamal Kant Tyagi
21. Mr. Ankur Kukreti

Registrar
Quantum University

The following points were discussed in the meeting.

1. All the HODs/ Deptt. Coordinators mentioned that uploading of Syllabus and creation of Lesson Plan on ERP is completed except the BJMC courses and

one course of Pharmacy. Dr. Nigam and Dr. Praveen Kumar assured the completion before 05-09-2020.

2. The course files of Deptts. except CSE and ME are not submiited by the respective HODs/ Coordinators. All the HODs/ Depptt. Coordinators have to submit the Course Files of their respective Deptts. latest by 04-09-2020 to respective Director and a copy of each course Pos' and Cos' separately to vice chancellor also.

3. All the Deptt. Coordinators mentioned that all the students have aleady registered for the respective MOOC courses. The MOOC courses registration of B School from Coursera is in progress and Dr. Nigam assured to complete it by 05-09-2020.

4. All the HODs/ Deptt. Coordinators will identify the courses from the the IBM platform and submit a detailed list of the courses selected by their respective Deptt. keeping in mind that each and every student may be enrolled atleast in one course. This list has to be submitted to the Vice Chancellor through Director latest by 29-08-2020.

5. All the HODs/ Deptt. Coordinators discussed the calling report of the non registerd students of their respective Deptts. and revealed that students from Nepal are facing problem in fee transfer from the Nepal. Er. Shobhit Goyal assued to look into the matter and will suggest an alternate method very soon.

6. Dean Academics Dr. Gulshan Chauhan shared that a notice regarding the minimum attendance criteria for the current semester to appear in the end semester examination is issued to the students of Quantum University and Quantum Global Campus separately on 26-08-2020. All the HODs/ Deptt. Coordinators are requied to keep a track of the attendance and sensitize the students of their respective Deptt from time to time about the importance of attendance.

7. Only ME Deptt. Shared the list of Labs. Conducting through virtual Labs Platfrom. Other Deptts Coordinators have to share the list of Labs. which will be run on virtual Labs platform latest by 04-09-2020 with Director.

8. All the Faculty members have to record the 6-7 video lectures per theory course (not more than 25 minutes duration each) and either in the University

Registrar
Quantum University

15. To keep the recoring of all the google meet classes on google drive is mandatory now onwards by each and every faculty member. The HODs/ Depptt Coordinators are requested to ensure compliance of it.

16. The HODs/ Depptt Coordinators are requested to share the lecture video recording schedule of their respective Deptt. latest by 04-09-2020.

17. Fest Coordinators Mrs Neeta Sharma and Dr. N. Muruglatha Kannan have to present Fest deails to Ho'ble Chancellor with in a week time.

18. All the concerned Coordinators are requied to mail the list of E Books for the First Year Book Bank and for other senior classes requied ebboks which are not available to the Librarian, Director, Vice Chancellor and Er. Shobhit Goyal latest by 05-09-2020.

19. Hon'ble vice chancellor devised a online classes feed back mechanism to further improve the quality of the online classes. This will be implemented soon. Hon'ble Chancellor suggested to add a column of suggestions to improve the online classes also.

20. All the HODs/ Depptt Coordinators are required to submit a Batch-wise copy of approved syllabus after incorporating all the coorections raised during BOF to Himanshu Kandpal, Dr. Naveen Rawat and Director in the proper PDF format on or before 05-09-2020.

21. Er. Shobhit Goyal mentioned that these review meeting will be held every Tuesday at 10.30 AM on a regular basis, titled "Weekly Academic Review Meeting" from 08-09-2020 onwards.

   The meeting was concluded with thanks to the chair.

(Dr. Gulshan Chauhan)
Dean Academics
& Director

Registrar
Quantum University

Cc: Chancellor / Vice Chancellor / Secretary / Registrar/ Deans / Directors / COE/ HODs / Concerned Deptt. Coordinators / Concerened Faculty Members

QUANTUM UNIVERSITY

Campus: - Mandawar, 22 Km Mile Stone, Roorkee:- Dehradun Highway (NH-73)
ROORKEE- 247 667 (UK)

Minutes of Meeting of UAC

Date: 5th October, 2020

A meeting of UAC was held on 01-10.2020 (Thursday) at 3.00 PM in the vice chancellor's Office to discuss the different components of internal marks for the ongoing odd semester on online mode. The meeting was chaired by Hon'ble Vice Chancellor. The following members attended the meeting:

1. Dr. Gulshan Chauhan
2. Dr. Amit Dixit
3. Dr. Naveen Rawat
4. Dr. Praveen Kumar
5. Dr. Arun Kant Painuli
6. Dr. Ram Singh
7. Mr. Satender Kumar
8. Mr. Gaurav Mamgain
9. Mrs. Saloni Arora

The following decisions were taken in the meeting.

1. For the ongoing odd semester on online mode only one mid semester exams will be conducted inplace of two sessionals.

2. The mid semester examination will also be held for all the courses running through different MOOC platforms. It is mandatory to take mid semester exams by all the students studying mooc courses to secure internal marks against this component.

3. This evaluation criterion will be applicable for the current online odd semester only after resuming the physical semester the old standard critera will be applicable. The weightage for the different components of internal marks for the ongoing odd semester on online mode for all the Certificate, Diploma, UG and PG Programs are finalized as follows:

   a) **For all Theory Courses:**

Assignments (two, A1 & A2 15% each)	= 30%
Mid Semester Exam.	= 40%
Attendance (85% attendance = full marks)	= 10%

Registrar
Quantum University

Participation and performance in Class Quizzes (Best five Quizzes of 4 marks each) = 20% (20 Marks)

b) **For all Practical Courses:**

Practical Quiz I = 20%

Practical Quiz II = 20%

Continuous Assessment:

(i) Lab Record = 25%

(ii) Experiment-wise viva voce/ Evaluation = 25%

Attendance (85% attendance = Full marks) = 10%

c) **For Project Labs:**

Presentation I = 25%

Presentation II = 25%

Final Project Presentation & viva voce = 40%

Attendance (85% attendance = Full marks) = 10%

4. For Mid Semester, each exam will be of one hour duration covering 1st three units of syllabus. The exam will be conducted in online mode. The Question bank for mid semester will consist of 60 questions (only MCQ with four options) 20 from each unit. Students will be asked to answer 40 qusetions randomly picked by ERP.

5. COE will will generate SOP for uploading Mid Sem Exam questions on ERP and will also hold a session with the faculty members to explain the process.

6. The questions of Mid Sem question bank have to be duly checked, approved and certify by the respective HOD/ Deptt. Coordinator before uploading on the ERP by concerned Faculty members.

7. All the HODs/ Deptt. Coordinators will ensure the uploading of Mid Sem question banks on ERP from 06-10-2020 to 11-10-2020 of their respective Deptts.

8. All the HODs/ Deptt. Coordinators will submit a syllabus completion report till 06-10-2020 of 2nd 3rd and 4th year of their respective Deptts. latest by 09-10-2020.

9. The COE will release date sheet of Mid Sem Exam by 10-10-2020.

Seen & Approved
Vivek Kumar.
05/10/2020
Approved by Hon'ble vice chancellor

(Dr. Gulshan Chauhan)
Dean Academics

Cc: Chancellor / Vice Chancellor / Secretary / Registrar/ Deans / Directors / COE/ HODs / Concerned Deptt. Coordinators / All UAC Members/ Concerened students

Registrar
Quantum University

Quantum University, Roorkee

List of Subjects under MOOC platform
(As approved AC 4 vide agenda no 4.12)

S.No	Academic Year	Programme	Name of Course on MOOC Platform	Organization Name	Link
1	2021-22	Bachelor of Technology in Computer Science & Engineering	Operating System	NPTEL	https://onlinecourses.nptel.ac.in/noc21_cs88/preview
2	2021-22	Bachelor of Technology in Computer Science & Engineering	Big data Business Intelligence	NPTEL	https://onlinecourses.nptel.ac.in/noc21_cs86/preview
3	2021-22	Bachelor of Computer Applications	Operating System	NPTEL	https://onlinecourses.nptel.ac.in/noc21_cs88/preview
4	2021-22	Bachelor of Computer Applications	Machine Learning Concepts	NPTEL	https://onlinecourses.nptel.ac.in/noc21_cs70/preview
5	2021-22	Master of Computer Applications	Software Engineering	NPTEL	https://onlinecourses.nptel.ac.in/noc21_cs65/preview
6	2021-22	Master of Computer Applications	Deep Learning Concepts (PE-IV)	NPTEL	https://onlinecourses.nptel.ac.in/noc21_cs76/preview
7	2021-22	Bachelor of Technology in Computer Science & Engineering	Operation Research	NPTEL	https://onlinecourses.nptel.ac.in/noc22_ma48/preview
8	2021-22	Bachelor of Technology in Computer Science & Engineering	Foundations for Big Data Analysis with SQL	COURSERA	https://www.coursera.org/courses?query=big%20data%20free&page=1
9	2021-22	Master of Computer Applications	Software Engineering	youtube	https://www.youtube.com/playlist?list=PLxCzCOWd7diEed7SKZBnC6ypFDWYLRvB2
10	2021-22	Master of Computer Applications	Basics of Deep Learning	UDEMY	https://www.udemy.com/course/basics-of-deep-learning/?ranMID=39197&ranEAID=JVFxdTr9V80&ranSiteID=JVFxdTr9V80-BNE_oeZzuEO.CEuMk7gorQ&LSNPUBID=JVFxdTr9V80&utm_source=aff-campaign&utm_medium=udemyads
11	2021-22	Bachelor of Computer Applications	Operating Systems	SWAYAM	https://onlinecourses.swayam2.ac.in/cec22_cs23/preview
12	2021-22	Bachelor of Computer Applications	Supervised Machine Learning: Regression and Classification	COURSERA	https://www.coursera.org/learn/machine-learning?action=enroll#syllabus
13	2021-22	Bachelor of Technology in Computer Science & Engineering	Operating Systems	SWAYAM	https://onlinecourses.swayam2.ac.in/cec22_cs23/preview

Registrar
Quantum University

S.No	Academic Year	Programme	Name of Course on MOOC Platform	Organization Name	Link
14	2021-22	Bachelor of Arts (Hons)	Positive Psychology	COURSERA	https://in.coursera.org/learn/positive-psychology?action=enroll
15	2021-22	Bachelor of Arts (Hons)	Social Psychology	COURSERA	https://in.coursera.org/learn/social-psychology
16	2021-22	Bachelor of Arts (Hons)	Environmental & Resourse Economics	NPTEL	https://onlinecourses.nptel.ac.in/noc22_hs71/preview
17	2022-23	Bachelor of Technology in Civil Engineering	Environment Pollution & Waste Management CE3803	NPTEL	https://nptel.ac.in/courses/123/105/123105001/
18	2022-23	Bachelor of Technology in Civil Engineering	Traffic Planning & Design CE3806	NPTEL	https://nptel.ac.in/courses/105/105/105105215/
19	2022-23	Bachelor of Technology in Mechanical Engineering	ME3403 Production Technology	NPTEL	https://onlinecourses.nptel.ac.in/noc22_me28/preview
20	2022-23	Bachelor of Technology in Mechanical Engineering	Welding Technology	NPTEL	https://onlinecourses.nptel.ac.in/noc22_me19/preview
21	2022-23	Bachelor of Technology in Mechanical Engineering	Product Design & Development	NPTEL	https://onlinecourses.nptel.ac.in/noc22_me11/preview
22	2022-23	Bachelor of Science (Hons)	Physics of Earth (PH3613)	NPTEL	https://onlinecourses.nptel.ac.in/noc22_ph10/preview
23	2022-23	Bachelor of Science (Hons)	The Theory of Rings (MA3614)	NPTEL	https://onlinecourses.nptel.ac.in/noc22_ma11/course
24	2022-23	Bachelor of Business Administration	Business Law for Managers	NPTEL	https://nptel.ac.in/noc/courses/noc22/SEM1/noc22-mg52
25	2022-23	Master of Business Administration	Supply Chain Analytics	NPTEL	https://nptel.ac.in/noc/courses/noc22/SEM1/noc22-mg14
26	2022-23	Bachelor of Commerce	Management of Commercial Banking	NPTEL	https://onlinecourses.nptel.ac.in/noc22_mg24/preview
27	2022-23	Bachelor of Commerce	Business Law	NPTEL	https://onlinecourses.nptel.ac.in/noc22_mg52/preview
28	2022-23	Bachelor of Commerce	Understanding Incubation and Entrepreneurship	NPTEL	https://onlinecourses.nptel.ac.in/noc22_de08/preview
29	2022-23	Bachelor of Business Administration	Consumer Behaviour	NPTEL	https://nptel.ac.in/noc/courses/noc22/SEM1/noc22-mg47/
30	2022-23	Bachelor of Business Administration	Marketing Management	NPTEL	https://nptel.ac.in/courses/110/104/110104070/
31	2022-23	Bachelor of Business Administration	Sales and distribution management	NPTEL	https://nptel.ac.in/noc/courses/noc22/SEM1/noc22-mg46/
32	2022-23	Integrated Bachelor of Arts and Bachelor of Law (Hons)	Emotional Intelligence	NPTEL	https://onlinecourses.nptel.ac.in/noc22_hs11/preview
33	2022-23	Integrated Bachelor of Arts and Bachelor of Law (Hons)	Constitution Of India And Environmental Governance: Administrative And Adjudicatory Process	NPTEL	https://nptel.ac.in/courses/129106002/

Registrar
Quantum University

S.No	Academic Year	Programme	Name of Course on MOOC Platform	Organization Name	Link
34	2022-23	Bachelor of Arts (Hons) in Journalism and Mass Communication	Effective writing	NPTEL	https://nptel.ac.in/noc/courses/109/
35	2022-23	Bachelor of Arts (Hons) in Journalism and Mass Communication	Globlization:Theoretical Procepective	NPTEL	https://nptel.ac.in/noc/courses/109/
36	2022-23	Bachelor of Science in Animation and VFX	Introduction To Modern Indian Political Thought	NPTEL	https://nptel.ac.in/noc/courses/109/
37	2022-23	Bachelor of Science in Animation and VFX	Effective writing	NPTEL	https://nptel.ac.in/noc/courses/109/
38	2022-23	Bachelor of Science in Animation and VFX	Globalization:Theoretical Procepective	NPTEL	https://nptel.ac.in/noc/courses/109/
39	2022-23	Bachelor of Technology in Computer Science & Engineering	Virtual Reality and Systems(Mooc)/ CS3806	COURSERA	https://www.coursera.org/learn/introduction-virtual-reality
40	2022-23			COURSERA	https://www.coursera.org/learn/3d-interaction-design-virtual-reality
41	2022-23			COURSERA	https://www.coursera.org/learn/interactive-3d-characters-social-virtual-reality
42	2022-23			COURSERA	https://www.coursera.org/learn/making-virtual-reality-game
43	2022-23			COURSERA	https://courses.edx.org/dashboard
44	2022-23	Master of Computer Applications	Virtual Reality Systems(Mooc)/CA4602	COURSERA	https://www.coursera.org/learn/introduction-virtual-reality
45	2022-23			COURSERA	https://www.coursera.org/learn/3d-interaction-design-virtual-reality
46	2022-23			COURSERA	https://www.coursera.org/learn/interactive-3d-characters-social-virtual-reality
47	2022-23			COURSERA	https://www.coursera.org/learn/making-virtual-reality-game
48	2022-23			COURSERA	https://courses.edx.org/dashboard
49	2022-23	Bachelor of Computer Applications	Cryptography and Network Security (PE-III)/CS3603	COURSERA	https://www.coursera.org/lecture/managing-network-cybersecurity/cryptography-and-network-security-w9SuJ?utm_source=mobile&utm_medium=page_share&utm_content=vlp&utm_campaign=top_button
50	2022-23	Bachelor of Technology in Computer Science & Engineering	Cryptography and Network Security (PE-I)/ CS3609	COURSERA	https://www.coursera.org/lecture/managing-network-cybersecurity/cryptography-and-network-security-w9SuJ?utm_source=mobile&utm_medium=page_share&utm_content=vlp&utm_campaign=top_button

Registrar
Quantum University

S.No	Academic Year	Programme	Name of Course on MOOC Platform	Organization Name	Link
51	2022-23	Bachelor of Arts (Hons) Specialization in Psychology	Great Experiments in Psychology	NPTEL	https://onlinecourses.nptel.ac.in/noc23_hs07/preview
52	2022-23	Bachelor of Arts (Hons) Specialization in) English	Ecology and Environmental Ethics – Problems and Perspectives	SWAYAM	https://onlinecourses.swayam2.ac.in/cec23_hs04/preview.
53	2022-23	Bachelor of Arts (Hons) Specialization in Economics	Roadmap for Patent Creation	NPTEL	https://onlinecourses.nptel.ac.in/noc23_ge22/preview
54	2022-23	Bachelor of Technology in Mechanical Engineering	Welding Processes	NPTEL	https://nptel.ac.in/courses/113106087
55	2022-23	Bachelor of Science (Hons) Specialization in Physics	Introduction to Atmospheric and Space Sciences	NPTEL	https://onlinecourses.nptel.ac.in/noc23_ph08/preview
56	2022-23	Bachelor of Science (Hons) Specialization in Maths	An introduction to Point-Set-Topology Part-I	NPTEL	https://onlinecourses.nptel.ac.in/noc23_ma20/preview
57	2022-23	Bachelor of Computer Applications	Software Engineering	UDEMY	https://www.udemy.com/share/101Lto3@AJud4_m83E5fUJ7JF T30enzdJHN-9U-qP_IMttNT2H1dtm9FFaqr8F3WSw6CeTs0Nw==/
58	2022-23	Bachelor of Computer Applications	Software Engineering	UDEMY	https://www.udemy.com/share/101Lto3@AJud4_m83E5fUJ7JF T30enzdJHN-9U-qP_IMttNT2H1dtm9FFaqr8F3WSw6CeTs0Nw==/
59	2022-23	Bachelor of Computer Applications	Software Engineering	Edx	https://learning.edx.org/course/course-v1:IBM+CS0131EN+3T2022/home
60	2022-23	Bachelor of Technology in Computer Science & Engineering	Software Engineering	NPTEL	https://onlinecourses.nptel.ac.in/noc20_cs68/preview
61	2023-24	Bachelor of Commerce	Market Research & Analysis	NPTEL Hosted by IIT Roorkee	https://onlinecourses.nptel.ac.in/noc23_mg106/preview
62	2023-24	Bachelor of Arts (Hons) Specialization in Psychology	Cognition, Transformation And Lives	NPTEL Hosted by IIT Kanpur	https://onlinecourses.nptel.ac.in/noc23_hs119/preview
63	2023-24	Bachelor of Arts (Hons) Specialization in Economics	Economics of IPR	IIT Patna	https://onlinecourses.nptel.ac.in/noc23_hs100/preview
64	2023-24	Bachelor of Arts (Hons) Specialization in English	Gender And Literature	IIT Madras	https://onlinecourses.nptel.ac.in/noc23_hs106/preview
65	2023-24	Bachelor of Science (Hons) Specialization Physics	Nuclear and Particle Physics	IIT Guwahati	https://onlinecourses.nptel.ac.in/noc23_ph28/preview
66	2023-24	Bachelor of Science (Hons) Specialization Mathematics	Engineering Mechanics	IIT Madras	https://onlinecourses.nptel.ac.in/noc23_me74/preview
67	2023-24	Bachelor of Technology in Computer Science & Engineering	Operating Systems	SWAYAM	https://onlinecourses.swayam2.ac.in/cec22_cs23/preview

Registrar
Quantum University

S.No	Academic Year	Programme	Name of Course on MOOC Platform	Organization Name	Link
68	2023-24	Bachelor of Technology in Computer Science & Engineering	Foundations for Big Data Analysis with SQL	COURSERA	https://www.coursera.org/courses?query=big%20data%20free&page=1
69	2023-24	Bachelor of Computer Applications	Fundamentals of Software Engineering	Saylor Academy	https://learn.saylor.org/mod/page/view.php?id=32516
70	2023-24	Bachelor of Computer Applications	Operating System	UDEMY	https://www.udemy.com/course/the-complete-operating-system-bootcamp/
71	2023-24	Bachelor of Computer Applications	Machine Learning Concepts	COURSERA	https://www.coursera.org/learn/machine-learning?action=enroll#syllabus
72	2023-24	Master of Computer Applications	Software Engineering	Saylor Academy	https://learn.saylor.org/mod/page/view.php?id=32516, https://youtube.com/playlist?list=PLbRMhDVUMngf8oZR3DpKMvYhZKga90JVt
73	2023-24	Master of Computer Applications	Basics of Deep Learning	UDEMY	https://www.udemy.com/course/basics-of-deep-learning/?ranMID=39197&ranEAID=JVFxdTr9V80&ranSiteID=JVFxdTr9V80-BNE_oeZzuEO.CEuMk7gprQ&LSNPUBID=JVFxdTr9V80&utm_source=aff-campaign&utm_medium=udemyads

Registrar
Quantum University