

QUANTUM UNIVERSITY ROORKEE



THE MINUTES OF EXTRACTED BOARD OF STUDIES FOR NEW INTRODUCED COURSES



Registrar
Quantum University

Session (2019-2020)

Index

S.No	Name of Content	Page No
1	BOS- Department of Computer Science & Engineering	03-08
2	BOS-Department of Mechanical Engineering	09-13
3	BOS- Department of Civil Engineering	14-18
4	BOS- Department of Computer Applications	19-25
5	BOS- Department of Business Administration	26-36
6	BOS- Department of Commerce & Finance	37-42
7	BOS- Department of Humanities & Social Sciences	43-49
8	BOS- Department of Sciences	50-53
9	BOS- Department of Agricultural Studies	54-60
10	BOS- Department of Media Studies & Design	61-66
11	BOS- Department of Paramedical Sciences	67-69
12	BOS- Department of Pharmacy	70-73
13	BOS- Department of Hospitality & Tourism	74-78



Registrar
Quantum University

Board of Studies

of

Department of Computer Science & Engineering

Session- 2019-20



Quantum School of Technology

Quantum University, Roorkee


HEAD OF DEPARTMENT
Dept. of Computer Science & Engineering
Quantum University, Roorkee



BOARD OF STUDIES of Department of Computer Science & Engineering

AGENDA

Date:-04-06-2019

The meeting of the Board of Studies in the Department of Computer Science & Engineering for the year 2019-20 will be held on **07-06-2019 at 1:00 PM** in Department of Computer Science & Engineering, Quantum University, Roorkee.

The following agenda will be discussed in the meeting:

1. Confirmation of the minutes of 1st Board of Studies (BoS) held on 03-03-2018 for the Department of Computer Science & Engineering.
2. To consider and approve the Action taken report of various decisions taken by the 1st BoS meeting held on 03-03-2018.
3. To consider and approve the Student and Teacher's feedback Analysis on the courses/ Curriculum in 2018-19 of Bachelor of Technology in Computer Science & Engineering and its specializations.
4. To consider and approve the Student and Teacher's feedback Analysis on the courses/ Curriculum in 2018-19 of Master of Technology in Computer Science and Engineering.
5. To discuss and approve the New Introduced Courses in Bachelor of Technology in Computer Science & Engineering.
6. To discuss and approve the New introduced courses in Master of Technology in Computer Science and Engineering.
7. To discuss and approve the list of the courses (*introduced in 2019-20*) enabling Employability/ Entrepreneurship/ Skill development in Bachelor of Technology in Computer Science and Engineering.




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CS4107	Some placement-oriented topics such as Binary Tree, AVL Tree, Hash based structure and generic linked list, memory efficient doubly linked list, XOR linked list missing in Syllabus	Topics should be added in Unit-2 & Unit-5 as per recommendation.
CS4210	Some new topics should be introduced based on research & innovation in Theory of computation field because lot of research have been published in this subject as in cryptography, NLP, Quantum calculation.	Some new topics should be introduced in Unit-V as per recommendation.
Other Teaching Learning Aspects		
Overall Teaching Learning Process	A minimum of two or three online training courses must be taken by students. For all students, registering on the online coding platform is required. More programme electives should be offered, depending on current trends and technological advancements. Hands-on workshops should be used to increase coding skills. Students ought to compete in events at the national level.	The concept of online MOOC courses should be taught to the students. Program electives should be added based on current trends and technical advancements and field related to research. The advanced courses should be opted as program electives.
Involvement with coding clubs	Students should be made aware of software clubs to encourage them to join clubs like Codex and Google Development Club to advance their coding abilities.	Through seminars and workshops, students will learn about software clubs like Codex and the Google Development Club. Interested students can join these clubs.
Conference Exposure	Conference exposure to be given to students allowing them to join national as well as international conferences. Student will receive direction and inspiration for writing research paper.	Conferences will be introduced to students so they can join and display their research work. Students will receive guidance from faculty members for writing research papers.
Training for Placements	Two or three-weeks training programs should be organized on Technical Skills. Industrial Seminars & Workshops should be organized. Meeting with Training placement officer should be organized.	Sessions for technical skill training should be planned for two to three weeks the planning of industry seminars Entrepreneurship camps and placement training exercises should begin to be planned.

RESOLUTION: It was resolved that the necessary action taken and suggestions has been incorporated in the curriculum.

5. To discuss and approve the new Introduced Courses in Bachelor of Technology in Computer Science & Engineering

On the basis of feedback and inputs from sub specialty groups in the department, there are changes suggested in 1st year scheme in today's meeting. Some courses were introduced freshly in the curriculum. Besides this, the Chairman deliberated the list of 2nd year course which will be



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considered as New Introduced Courses in 2019-20 because they are running for very first time since inception of Bachelor of Technology in Computer Science & Engineering program in the university.

Name of the New Courses Introduced in 2019-20

Bachelor of Technology in Computer Science & Engineering/(Hons) specialization in Artificial Intelligence and Machine Learning/(Hons) and (Hons) specialization in Cyber Security

S.No.	Subject Name	Subject Code	Year of Introduction
New Courses Introduced in 2019-20 in 1st year			
1	Graph Theory and Probability	CS3203	2019
2	Advance C Programming	CS3206	2019
3	HTML5 and CSS	CS3204	2019
4	Web and Digital Analytics	CS3205	2019
5	Advance C Programming Lab	CS3242	2019
6	HTML5 and CSS Lab	CS3243	2019
7	Web and Digital Analytics Lab	CS3244	2019
New Courses Introduced in 2019-20 in 2nd year			
8	Data Structure and Programming	CS3301	2019
9	Discrete Design Structure	CS3302/CS3307	2019
10	Digital Electronics	EC3306	2019
11	Linux and Open Source	CS3304	2019
12	Database Management System	CS3305	2019
13	Data Structure Programming Lab	CS3340	2019
14	Demystifying Artificial Intelligence & Machine Learning	CS3321	2019
15	Digital Electronics Lab	EC3341	2019
16	Oracle/SQL Server Lab	CS3342	2019
17	Linux and Open Source Lab	CS3343	2019



[Signature]
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18	Project Lab I	CS3346	2019
19	Value Added Program III	VP3301	2019
20	Internship Presentation	CS3371	2019
21	Basic of C++ Programming	CS3351	2019
22	Basic of Networking and Trusted Operating System	CS3352	2019
23	Python Programming	CS3322	2019
24	Python Programming Lab	CS3344	2019
25	Software Engineering	CS3401	2019
26	Computer Network	CS3402	2019
27	Object Oriented Programming and Systems with Java	CS3403	2019
28	Theory of Automata and Formal Language	CS3404	2019
29	Object Oriented Programming and Systems with Java Lab	CS3440	2019
30	Case Tools and Testing Lab	CS3441	2019
31	Computer Network Lab	CS3442	2019
32	Project Lab II	CS3446	2019
33	Value Added Program IV	VP3401	2019
34	Supervised Learning	CS3421	2019
35	Mathematics for Machine Learning	CS3422	2019
36	Supervised Learning Lab	CS3443	2019
37	Advance Networking	CS3451	2019
38	Advance Networking Lab	CS3445	2019
39	Basic of Information Security	CS3452	2019

RESOLUTION : The Newly Introduced course and syllabus in 2019-20 is approved for the inclusion in the curriculum for 2019-20



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Quantum University, Roorkee

6. To discuss and approve the new introduced courses in Master of Technology in Computer Science and Engineering.

The Chairman and the BoS members deliberated and approved New Introduced subjects in 2019-20 as they will be running for first time in 2nd year of Master of Technology in Computer Science and Engineering program as follows-

Name of the New Courses Introduced in 2019-20

Master of Technology in Computer Science and Engineering

S.No.	Course Name	Course Code	Year of Introduction
1	Pattern Recognition	CS4304	2019
2	Information System Audit	CS4305	2019
3	Multimedia and Graphics	CS4306	2019
4	Cyber Laws	CS4303	2019
5	Project	CS4372	2019
6	Research Methodology	ME4307	2019
7	Research Methodology Lab	ME4340	2019
8	Seminar-III	CS4373	2019
9	Dissertation	CS4471	2019

RESOLUTION: The new Introduced courses were approved for 2019-20 in "Master of Technology in Computer Science & Engineering" program.

7. To discuss and approve the list of the courses (introduced in 2019-20) enabling Employability/ Entrepreneurship/ Skill development in Bachelor of Technology in Computer Science and Engineering

The members of BoS discussed and identified the nature of the courses from the newly introduced course in 2019-20 which having the potential to provide Employability/Entrepreneurship/Skill Development. The List are as follows-




HEAD OF DEPARTMENT
Dept. of Computer Science & Engineering
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Board of Studies

of

Department of Mechanical Engineering

Session: 2019-20



Department of Mechanical Engineering

Quantum School of Technology

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BOARD OF STUDIES OF THE DEPARTMENT OF MECHANICAL ENGINEERING

AGENDA

Date:-03.06.2019

The meeting of the Board of Studies in Department of Mechanical engineering for the year 2019-20, will be held on 06.06.2019 11:00 am in Department of Mechanical Engineering, Quantum University, Roorkee.

The following agenda items will be discussed in the meeting:

1. Confirmation of the minutes of 1st Board of Studies (BoS) held on 24-03-2018 for the Department of Mechanical Engineering.
2. To consider and approve the Action taken report of various decisions taken by the 1st BoS meeting held on 24-03-2018.
3. To consider and approve the Student and Teacher's feedback Analysis on the courses/ Curriculum in 2018-19 of Bachelor of Technology in Mechanical Engineering.
4. To consider and approve the Student and Teacher's feedback Analysis on the courses/ Curriculum in 2018-19 of Master of Technology in Thermal Engineering.
5. To discuss and approve the New Introduced Courses in Bachelor of Technology in Mechanical Engineering.
6. To discuss and approve the New introduced courses in Master of Technology in Thermal Engineering.
7. To discuss and approve the New introduced courses in Bachelor of Vocational Studies in Automotive Manufacturing Technology
8. To discuss and approve the list of the courses (*introduced in 2019-20*) enabling Employability/ Entrepreneurship/ Skill development in Bachelor of Technology in Mechanical Engineering.
9. To discuss and approve the List of Employability/ Entrepreneurship/ Skill development in Master of Technology in Thermal Engineering.
10. To discuss and approve the Value-Added Courses in Bachelor of Technology in Mechanical Engineering.
11. To discuss and approve the program and course content having elements of field projects/Research projects/Internship in Bachelor of Technology in Mechanical Engineering.


HEAD OF DEPARTMENT
Dept. of Mechanical Engineering
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Feedback Session: 2018-19

Curriculum Design

Code	Recommendation by BoS Members and Sub Specialty Groups of the Department	Suggestions received during the BoS
ME 4107	Some topics of Unit-2 can be removed these topics already learned by the students while graduation, so no need to be repeated.	Topics should be removed as per recommendation.

Other Teaching Learning Aspects

Overall Teaching Learning Process	To improve the employability of the students SSG recommended to enhance practical exposure of students in courses wherever possible and activity based learning environment was recommended to be improved. To improve self learning ability students were to be motivated for MOOC courses. SSG advised for conduction of workshops on patenting, research paper writing and on entrepreneurship and how to start/run a business,	Implemented
Peer Group Learning	SSG recommended to initiate special assignments on Mini-Projects/Flip Classes/which can be considered in place of A-2 Assignment in the respective subject based on the learning ability of the students. Students be given exposure to read and write research papers/patents for promotion of research environment in campus.	Implemented
Communication Skills	More option for students to present before an audience are required to be implemented by way of presentations	Incorporated in flip classes and project presentations

The Chairman deliberated and the Student and Teacher's feedback Analysis on the courses/ Curriculum in 2018-19 of M.Tech Thermal Engineering.

RESOLUTION: It was resolved that the necessary action taken and suggestions has been incorporated in the curriculum.

Item No. 5: To discuss and approve the New Introduced Courses in Bachelor of Technology in Mechanical Engineering.

The Chairman and the BOS members deliberated and approved some New Introduced courses in Bachelor of Technology in Mechanical Engineering in the academic session 2019-20. Besides this, the Chairman deliberated the list of 2nd year course which will be considered as New Introduced Courses in 2019-20 because they are running for very first time since inception of Bachelor of Technology in Mechanical Engineering program in the university




 HEAD OF DEPARTMENT
 Dept. of Mechanical Engineering
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List in Annexure A

RESOLUTION

Unanimously Resolved that The Newly Introduced course and syllabus in 2019-20 is approved for the inclusion in the curriculum for 2019-20 subject to the final approval of the Academic Council.

Annexure

Item No. 6 : To discuss and approve the New introduced courses in Master of Technology in Thermal Engineering.

The Chairman and the BoS members deliberated and approved New Introduced subjects in 2019-20 as they will be running for first time in 2nd year of Master of Technology in Thermal Engineering program as follows-

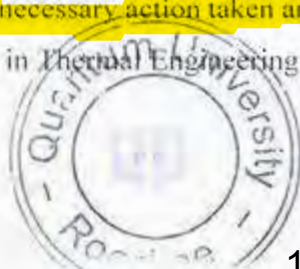
Name of the New Courses Introduced in 2019-20

Master of Technology in Thermal Engineering

S.No.	Course Name	Course Code	Year of Introduction
1	Alternative Fuels	ME4301	2019
2	Solar Energy Technology	ME4302	2019
3	Nuclear Engineering	ME4304	2019
4	Energy Storage Techniques	ME4303	2019
5	Energy Management In Thermal Systems	ME4305	2019
6	Air-Conditioning System Design	ME4309	2019
7	Research Methodology	ME4307	2019
8	Research Methodology Lab	ME4340	2019
9	Seminar-III	ME4370	2019
10	Project	ME4371	2019
11	Dissertation	ME4470	2019

RESOLUTION:

Unanimously Resolved that the necessary action taken and suggestions has been incorporated new introduced courses of Master of Technology in Thermal Engineering to the final approval of the Academic Council.



Item no 7: To discuss and approve the new introduced courses in the program Bachelor of Vocational Studies in Automotive Manufacturing Technology.

The Chairman and the BoS members deliberated and approved New Introduced subjects in 2019-20 as they will be running for first time in 2nd year of program Bachelor of Vocational Studies in Automotive Manufacturing Technology.

Name of the New Courses Introduced in 2019-20

BVoc in Automotive Manufacturing Technology.

S.No.	Course Name	Course Code	Year of Introduction
1	Workshop Calculation & Science / Fitting, Sheet metal & General Engineering/ Industry specific Manufacturing process	BV3301	2019
2	Engineering Drawing/ Electrical & Electronics	BV3401	2019

Item No. 8: To discuss and approve the list of the courses (introduced in 2019-20) enabling Employability/ Entrepreneurship/ Skill development in Bachelor of Technology in Mechanical Engineering.

The members of BoS discussed and identified the nature of the courses from the newly introduced course in 2019-20 which having the potential to provide Employability/Entrepreneurship/Skill Development. The List are as follows-

S. No.	Name of the Course	Course Code	Year of introduction	Activities/Content with direct bearing on Employability/ Entrepreneurship/ Skill development
1	Mathematics I	MA3102		Emp /Sd
2	Mathematics II	MA3202		Emp /Sd
3	Basic Mechanical Engineering	ME3102	2018-19	Emp /Ent /Sd
4	Advance Computer Programming & Software	CS3207	2019-20	Emp /Ent /Sd
5	Advance Computer Programming & Software Lab	CS3245	2019-20	Emp /Ent /Sd



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Board of Studies

(2019-20)

Department of Civil Engineering

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Dept. of Civil Engineering
Quantum University, Roorkee

Board of Studies
Department of Civil Engineering

AGENDA

Date: - 03/06/2019

The Department of Civil Engineering's Board of Studies meeting for the academic year 2019-20 has been scheduled for June 7, 2019, at 10:00 AM. This meeting will be held at the Department of Civil Engineering, Quantum University in Roorkee.

The following agenda will be discussed in the meeting:

1. Confirmation of the minutes from the Board of Studies meeting conducted on March 31, 2018, for the Department of Civil Engineering.
2. To consider and approve the Action taken report of the previous meeting
3. Review and discussion on the feedback provided by students and faculty members on the courses for B.Tech. and M.Tech. Programs.
4. To discuss and approve of the incorporation of a new introduced courses in 1st year and 2nd year, along with its syllabus, into the Bachelor of Technology program in Civil Engineering in 2019-20
5. To discussion and approval of the introduction of a new subject, accompanied by its syllabus, within the Master of Technology program in Structural Engineering in 2019-20
6. To discuss and approve initiatives focused on improving employability and skills within the Bachelor of Technology program in Civil Engineering
7. To discuss and approve initiatives focused on improving employability and skills within the Master of Technology program in Structural Engineering
8. To discuss and approve additional value added courses for the Bachelor of Technology program in civil engineering




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

Based on above recommendations the syllabus is modified as per the requirement, which is applied for syllabus for 2019-23 batch

Resolution: The resolution confirmed that necessary actions have been taken and suggestions incorporated.

4. To discuss and approve of the incorporation of a new introduced courses in 1st year and 2nd year, along with its syllabus, into the Bachelor of Technology program in Civil Engineering

The chairman informed that the 2nd year of the program is going to run for very first time therefore all the 2nd year courses will be considered as newly introduced courses.

The members suggested to start new courses (CS 3207 & CS 3245) in 2nd semester of 1st year for batch 2019-23 while eliminating CS 3201 & CS 3240 from 2nd semester scheme. Therefore, the list of new Introduced courses in 2019-20 are as follows

S. N.	Name of the New courses introduced in the session 2019-20	Course code	Year of Introduction
New Courses Introduced in 1st year in the session 2019-20			
1	Advance Computer Programming & Software Lab	CS3245	2019-20
2	Advance Computer Programming & Software	CS3207	2019-20
New Courses Introduced in 2nd year in the session 2019-20			
3	Hydraulics and Hydraulic Machines	CE3301	2019-20
4	Solid Mechanics	CE3302	2019-20
5	Basic of Surveying	CE3303	2019-20
6	Building Technology	CE3304	2019-20
7	Construction Equipment's	CE3305	2019-20
8	Hydraulics and Hydraulic Machines Lab	CE3340	2019-20
9	Solid Mechanics Lab	CE3341	2019-20
10	Basic of Surveying Lab	CE3342	2019-20
11	Building Technology Lab	CE3343	2019-20



HEAD OF DEPTMTE
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12	Project Lab I	CE3344	2019-20
13	Design of RC Elements	CE3401	2019-20
14	Concrete Technology and Non Destructive Testing	CE3402	2019-20
15	Structural Analysis	CE3403	2019-20
16	Advance Survey	CE3404	2019-20
17	Concrete Technology and Non Destructive Testing Lab	CE3440	2019-20
18	Structural Analysis Lab	CE3441	2019-20
19	Advance Survey Lab	CE3442	2019-20
20	Project Lab II	CE3444	2019-20
21	VAPIII	VP3301	2019-20
22	VAP IV	VP3401	2019-20

Resolution: The BOS members deliberated and unanimously resolved to approve newly introduced subjects in the Bachelor of Technology program for the session 2019-20.

5. To discussion and approval of the introduction of a new subject, accompanied by its syllabus, within the Master of Technology program in Structural Engineering

Similarly, 2nd year courses are going to run for the first time in 2019-20 therefore all the courses in 2nd year will be consider as new introduced courses. The list is attached herewith for ready reference.

S. N.	Name of the New courses introduced	Course code	Year of Introduction
1	Foundation & Steel Design Lab	CE4340	2019-20
2	Safety of Structures	CE4301	2019-20
3	Soil Structure Interaction	CE4302	2019-20
4	Environment Impact Assessment	CE4303	2019-20
5	Advance Foundation Engineering	CE4305	2019-20
6	Computer Application in Design	CE4306	2019-20



HEAD OF DEPT
Dept. of Civil Engineering
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7	Advanced Concrete Technology	CE4307	2019-20
8	Earthquake Engineering	CE4308	2019-20
9	Plastic Analysis	CE4309	2019-20
10	Research Methodology	ME4307	2019-20
11	Project	CE4370	2019-20
12	Seminar	CE4371	2019-20
13	Dissertation	CE4470	2019-20

Resolution: The BOS members deliberated and unanimously resolved to approve newly introduced subjects in the Master of Technology (SE) program for the session 2019-20.

6. To discuss and approve initiatives focused on improving employability and skills within the Bachelor of Technology program in Civil Engineering.

The BOS members discussed and approved a list (*in continuation of 2018-19*) of subjects (*newly introduced courses*), encompassing theory and lab components, designed to enhance employability, entrepreneurship, and skill development for the Bachelor of Technology in Civil Engineering.

list (*in continuation of 2018-19*) of Courses Focus (*Newly introduced*) on Employability/ Entrepreneurship/ Skill Development in Bachelor of Technology in Civil Engineering

S. No.	Name of the Course	Course Code	Employability/Entrepreneurship/Skill development (Em/En/Sd)
1	Advance Computer Programming & Software	CS3207	Em/En/Sd
2	Advance Computer Programming & Software Lab	CS3245	Em/Sd
3	Hydraulic and Hydraulic Machines	CE3301	En/Sd
4	Solid Mechanics	CE3302	En/Sd



HEAD OF DEPARTMENT
Dept. of Civil Engineering
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Board of Studies

Department of Computer Applications

Session- 2019-20



Quantum School of Technology
Quantum University, Roorkee




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

Board of Studies in the Department of Computer Applications

AGENDA

Date:-02/06/2019

The meeting of the Board of Studies in **Department of Computer Applications** for the year 2019-20, will be held on **07/06/2019** in Board Room, Quantum University, Roorkee.

The following agenda will be discussed in the meeting:

1. To confirm and approve the minutes of 1st BoS meeting held on 3/03/2018 for the Department of Computer Applications.
2. To report the action taken, where necessary, on the various decisions taken by the BoS in its 1st meeting held on 3/03/2018
3. Quantum university introduced Masters of Computer Applications (MCA) in Department of Computer Applications.
4. Review and discussion on the feedback provided by students and faculty members on the courses for Bachelor of Computer Applications in 2018-19
5. To discuss and approve the list of employability/entrepreneurship/skill development.
6. To discuss and approve the Value-Added Courses in Bachelor of Computer Applications.
7. To discuss and approve the new introduced Subjects in Bachelor of Computer Applications.
8. To discuss and approve the new introduced Subjects in Master of Computer Applications




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

7. To discuss and approve the new introduced Subjects in Bachelor of Computer Applications.

The board went through the list of newly introduced Courses for Bachelor of Computer Applications for session 2019-20. Some of the Courses were newly introduced in second year which will be offered in 2019-20 for the very first time since the inception of the program in the university. The list of newly introduced Courses in 2019-20 are as follow:

S. No.	Name of the Course	Course Code	Content with direct bearing on Employability/ Entrepreneurship/ Skill development (Em, En, SD)
1	Programming in Java	CA3301	Em, En, SD
2	Relational Database Management	CA3302	Em, En, SD
3	Digital Logic Fundamentals	CA3303	Em, En, SD
4	Operating system	CA3304	Em, En, SD
5	Programming in Java Lab	CA3340	Em, En, SD
6	Relational Database Management Lab	CA3341	Em, En, SD



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

7	Python Programming Lab	CA3342	Em, En, SD
8	Internship Presentation	CA3370	Em,SD
9	Communication & Professional Skills-III	VP3301	Em, En, SD
10	Computer Networks	CA3401	Em, En, SD
11	Computer Organization	CA3402	Em, En, SD
12	Web Technology	CA3403	Em, En, SD
13	C#.Net	CA3405	Em, En, SD
14	Computer Networks lab	CA3440	Em, En, SD
15	C#.Net Lab	CA3442	Em, En, SD
16	Web Technology Lab	CA3441	Em, En, SD
17	Employability Skills - I (Numerical Abilities)	VP3401	Em, En, SD




HEAD OF DEPARTMENT
Dept. of Computer Applications
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8.To discuss and approve the new introduced Subjects in Master of Computer Applications

The board went through the list of newly introduced Courses for in Master of Computer Applications for session 2019-20. The list of newly introduced Courses in 2019-20 are as follow:

S. No.	Name of the Course	Course Code	Content with direct bearing on Employability/ Entrepreneurship/ Skill development (Em, En, SD)
1	Artificial Intelligence and Expert Systems	CA4301	Em, En, SD
2	Linux administration and Network Programming	CA4302	Em, En, SD
3	Programming in Java	CA4303	Em, En, SD
4	Software Engineering	CA4304	Em, En, SD
5	Program Elective I Data base Administration	CA4304	Em, En, SD
6	Program Elective I Network Security	CA4305	Em, En, SD



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

7	Linux administration and Network Programming Lab	CA4341	Em, En, SD
8	Programming in Java Lab	CA4342	Em, En, SD
9	Seminar-I	CA4371	Em,SD
10	Software Testing and quality assurance	CA4401	Em, En, SD
11	Advanced Java	CA4402	Em, En, SD
12	Big Data and its applications	CA4403	Em, En, SD
13	Adhoc Wireless Network	CA4404	Em, En, SD
14	Cyber laws and Crimes	CA4405	Em, En, SD
15	Digital Image Processing	CA4406	Em, En, SD
16	Android Application Development	CA4404	Em, En, SD
17	Software Testing and quality assurance Lab	CA4441	Em, En, SD



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

18	Advanced Java Lab	CA4441	Em, En, SD
19	Seminar-II	CA4471	Em, SD

9.To discuss and approve the approve the courses having element of field project/research project/internship for Bachelor of Computer Applications.

The chairman and BOS members discussed and approved the courses having element of field project/research project/internship. These courses will be finalized after the approval of academic Council for session 2019-20.

S.NO	Name of Programme	Courses having components of field projects/research projects/internships along with course code
1	BACHELOR OF COMPUTER APPLICATIONS	Internship Presentation (CA3370)

RESOLUTION: The Board approved the list of course content having element of field project, /research project/internship for the session 2019-2020.

10.To discuss and approve the courses having element of field project/research project/internship for Master of Computer Applications.

The chairman and BOS members discussed and approved the courses having element of field project/research project/internship. These courses will be finalized after the approval of academic Council for session 2019-20.

S.NO	Name of Programme	Courses having components of field projects/research projects/internships along with course code
1	MASTER OF COMPUTER APPLICATIONS	PROJECT(CA4342)



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Dept. of Computer Application
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Board of Studies

of

Department of Business Administration

(Dated: 30/03/2019)



Department of Business Administration

Quantum School of Business

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HEAD OF DEPARTMENT
Dept. of Business Administration
Quantum University, Roorkee



BOARD OF STUDIES
DEPARTMENT OF BUSINESS ADMINISTRATION
AGENDA

Date:-26/03/2019

The meeting of the Board of Studies in the Department of BUSINESS ADMINISTRATION for the year 2019-20, will be held on 30/03/2019 at 01:00 PM in the Board Room, Quantum University, Roorkee.

The following agenda will be discussed in the meeting:

1. Confirmation of the minutes for BOS held on 05/04/2018 for the Department Of Business Administration.
2. To apprise the Board of Action taken report for the Department Of Business Administration.
3. Discussion on the feedback received from students and faculty members.
4. To discuss and approve the newly introduced Courses in 2019-20 in the MBA and BBA Program
5. To discuss and approve the list of subjects including theory and Lab provide Employability / Entrepreneurship / Skill Development.
6. To discuss and approve the Value Added Courses (additional training) in the Department of Business Administration (Master of Business Administration, session 2019-20) & (Bachelor of Business Administration, Batch 2019-20).
7. To get approval for the panel of external examiners for the session 2019-20.
8. Any other matter with the permission of the Chair



HEAD OF DEPARTMENT
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Quantum University, Roorkee



Item No 4

4. To discuss and approve the New Introduced Course in Session 2019-20 in MBA and BBA Program

4.1 The internal members of the Board presented the list of courses which will run for the very first time in the MBA Program under Quantum University in session 2019-20.

The List of Newly Introduced courses in 2019-20 (Sem I & II), 2018-19 Session (Sem III & IV) in MBA Program are as follows:

SEMESTER 3

Course Code	Category	COURSE TITLE	L	T	P	C	Version	Course Prerequisite
MB4301	PC	Project Management	2	0	0	2	1.0	MB4205 MB4107
MB4302	PC	International Business	3	0	0	3	1.0	MB4209
MB4370	PC	Training Report and Viva-Voce	0	0	0	2	1.0	MB4206
	PE	Program Elective – 1	3	0	0	3	1.0	
	PE	Program Elective – 2	3	0	0	3	1.0	
	PE	Program Elective – 3	3	0	0	3	1.0	
	PE	Program Elective – 4	3	0	0	3	1.0	
VP4301	VAP	PDP for managers III	0	0	0	2	1.0	
GP4301		General Proficiency	0	0	0	1		

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Dept. of Business Administration
Quantum University, Roorkee

		TOTAL	17	0	0	22		
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List of Program Electives

Course Code	Category	COURSE TITLE	L			T		P
FINANCE								
MB4303	PE	Financial Markets and Institutions	3	0	0	3	1.0	MB4205
MB4304	PE	Risk Management and Insurance	3	0	0	3	1.0	MB4205
MB4305	PE	Financial Services	3	0	0	3	1.0	MB4205
MB4306	PE	Working Capital Management	3	0	0	3	1.0	MB4205
MB4307	PE	Security Analysis and Portfolio Management	3	0	0	3	1.0	MB4205
MARKETING								
MB4308	PE	Consumer Behaviour	3	0	0	3	1.0	MB4105
MB4309	PE	Digital Marketing	3	0	0	3	1.0	MB4105
MB4310	PE	Marketing of Services	3	0	0	3	1.0	MB4105
MB4311	PE	Brand Management	3	0	0	3	1.0	MB4105
MB4312	PE	Integrated Marketing Communication	3	0	0	3	1.0	MB4105
HUMAN RESOURCE								

MB4313	PE	Industrial Psychology	3	0	0	3	1.0	MB4109
MB4314	PE	Human Resource Planning & Development	3	0	0	3	1.0	MB4109
MB4315	PE	Organizational Change & Intervention Strategies	3	0	0	3	1.0	MB4109
MB4316	PE	Counseling Skills for Managers	3	0	0	3	1.0	MB4109
MB4317	PE	Industrial Relations and Labour Laws	3	0	0	3	1.0	MB4109
SUPPLY CHAIN AND OPERATIONS								
MB4318	PE	Technology Innovation Management	3	0	0	3	1.0	MB4207 MB4208
MB4319	PE	Service Operations Management	3	0	0	3	1.0	MB4207 MB4208
MB4331	PE	Planning and Control Operations	3	0	0	3	1.0	MB4207 MB4208
MB4321	PE	Materials Management	3	0	0	3	1.0	MB4207 MB4208
MB4322	PE	Retail Distribution and Logistics	3	0	0	3	1.0	MB4207 MB4208
MB4323	PE	Total Quality Management	3	0	0	3	1.0	MB4207 MB4208
INTERNATIONAL BUSINESS								
MB4324	PE	International Business Laws	3	0	0	3	1.0	MB4105
MB4325	PE	International Business Environment	3	0	0	3	1.0	MB4209

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MB4326	PE	EXIM Financing and Documentation	3	0	0	3	1.0	MB4205
MB4327	PE	Foreign Exchange Management and Currency Derivatives	3	0	0	3	1.0	MB4205
E-COMMERCE								
MB4328	PE	E-business	3	0	0	3	1.0	MB4105
MB4329	PE	Content Marketing	3	0	0	3	1.0	MB4105
MB4330	PE	Mobile Marketing	3	0	0	3	1.0	MB4105
MB4309	PE	Digital Marketing	3	0	0	3	1.0	MB4105

SEMESTER 4

Course Code	Category	COURSE TITLE	L	T	P	C	Version	Course Prerequisite
MB4401	PC	Strategic Management	3	0	0	3	1.0	MB4209 MB4105
MB4470	PC	Project and Viva-Voce	0	0	0	4	1.0	MB4206
	PE	Program Elective I	3	0	0	3	1.0	
	PE	Program Elective II	3	0	0	3	1.0	
	PE	Program Elective III	3	0	0	3	1.0	
	PE	Program Elective IV	3	0	0	3	1.0	
		TOTAL	15	0	0	19		

List of Program Electives

FINANCE								
MB4403	PE	Corporate Tax Planning	3	0	0	3	1.0	MB4205
MB4404	PE	Mergers and Acquisitions	3	0	0	3	1.0	MB4205
MB4405	PE	Financial Derivatives	3	0	0	3	1.0	MB4205
MB4406	PE	International Financial Management	3	0	0	3	1.0	MB4205
MARKETING								
MB4407	PE	Retail Management	3	0	0	3	1.0	MB4105
MB4408	PE	International Marketing	3	0	0	3	1.0	MB4105
MB4409	PE	Rural Marketing	3	0	0	3	1.0	MB4105
MB4410	PE	Sales and Distribution Management	3	0	0	3	1.0	MB4105
HUMAN RESOURCE								
MB4411	PE	International Human Resource Management	3	0	0	3	1.0	MB4109
MB4412	PE	Compensation Management	3	0	0	3	1.0	MB4109
MB4413	PE	Performance Management	3	0	0	3	1.0	MB4109
MB4414	PE	Training and Development	3	0	0	3	1.0	MB4109
SUPPLY CHAIN AND OPERATIONS								

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MB4415	PE	Operations Strategy and Control	3	0	0	3	1.0	MB4207 MB4208
MB4416	PE	E- Business Operations	3	0	0	3	1.0	MB4207 MB4208
MB4417	PE	Infrastructure Project Management	3	0	0	3	1.0	MB4207 MB4208
MB4418	PE	Supply Chain Performance Measurement	3	0	0	3	1.0	MB4207 MB4208
MB4419	PE	Reverse Logistics	3	0	0	3	1.0	MB4207 MB4208
MB4420	PE	Procurement Management	3	0	0	3	1.0	MB4207 MB4208
INTERNATIONAL BUSINESS								
MB4421	PE	Cross-Cultural Management	3	0	0	3	1.0	MB4109
MB4408	PE	International Marketing	3	0	0	3	1.0	MB4202
MB4422	PE	Global Financial Markets and Instruments	3	0	0	3	1.0	MB4205
MB4423	PE	International Logistics Management	3	0	0	3	1.0	MB4207
E-COMMERCE								
MB4424	PE	Social Media Marketing	3	0	0	3	1.0	MB4105
MB4425	PE	Business Intelligence and Analytics	3	0	0	3	1.0	MB4102
MB4426	PE	Cyber Law	3	0	0	3	1.0	MB4102

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MB4427	PE	Search Engine Optimization Methods	3	0	0	3	1.0	MB4102
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4.2 Similarly, the members also presented courses which will run for the very first time in the BBA Program under Quantum University in session 2019-20.

The List of newly introduced courses in 2019-20 in BBA Program is as follows:

SEMESTER 3

Course Code	Category	Course Title	L	T	P	C	Version	Course Prerequisite
BB3301	FC	Leadership and Motivation	2	0	0	2	1.0	Nil
BB3302	PC	Business Finance	4	0	0	4	1.0	Nil
BB3303	PC	Production and Operation Management	4	0	0	4	1.0	Nil
BB3304	PC	Business Environment	4	0	0	4	1.0	Nil
BB3305	PC	Human Resource Management	4	0	0	4	1.0	Nil
BB3306	PC	Supply Chain Management	4	0	0	4	1.0	Nil
BB3013	OE	Open Elective	3	0	0	3	1.0	
VP3301	VAP	Value Added Program III	0	0	2	1	1.0	Nil
GP3301	GP	General Proficiency	0	0	0	1	1.0	
		TOTAL	25	0	2	2 7		

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Quantum University, Roorkee
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List of Open Electives, III sem:

S.No.	Code	Name	Department (Offering)
1.	CS3015	Environment Pollution and Waste Management	Civil Engineering
2.	CS3025	Java Script	Computer Science and Engineering
3.	AG3015	Big Data Analytics: HDOOP Framework	Management + CSE
4.	BB3015	Organic farming	Agriculture
5.	JM3015	Establishing a New Business	Business & Management
6.	HM3015	Photo Journalism	Journalism
7.	MB3015	Chinese Cuisine	Hospitality & Tourism
8.	EG3015	SAP 3	Management
9.	CS3035	French Intermediate B1	English
10.	CS3015	MS -Excel (Advanced) MSO Certification	Computer Science and Engineering

SEMESTER 4

Course Code	Category	Course Title	L	T	P	C	Version	Course Prerequisite
BB3401	PC	Management Accounting	4	0	0	4	1.0	Nil
BB3402	PC	Operations Research	4	0	0	4	1.0	Nil
BB3403	PC	Research Methodology	4	0	0	4	1.0	Nil
BB3404	PC	International Business	4	0	0	4	1.0	Nil

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Dept. of Business Administration
Quantum University, Roorkee

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BB3405	PC	Company Law	4	0	0	4	1.0	Nil
BB3015	OE	Open Elective	3	0	0	3	1.0	Nil
VP3401	VAP	Value Added Program IV	0	0	2	1	1.0	Nil
GP3401	GP	General Proficiency	0	0	0	1	1.0	Nil
		TOTAL	23	0	2	2	5	

The BOS approved the Newly Introduced in MBA and BBA programs scheduled to be run in session 2019-20 in the department.

Item No.5

To discuss and approve the list of courses including theory and Lab provide Employability / Entrepreneurship / Skill Development in MBA and BBA Curriculum being effective from 2019-20

5.1 The members presented a list of proposed courses providing Employability / Entrepreneurship / Skill Development for inclusion in the curriculum of MBA starting in 2019-20 as a part of initiative taken to implement the vision of the department and of the University.

MBA List

LIST OF COURSES HAVING DIRECT BEARING ON EMPLOYABILITY/ ENTREPRENEURSHIP/ SKILL DEVELOPMENT

S. No.	Name of the Course	Course Code	Activities/Content with direct bearing on Employability/ Entrepreneurship/ Skill development
1	Project Management	MB4301	Concepts of project management and feasibility study of projects will help students gaining jobs and good positions.
2	International Business	MB4302	Understand business environment and monetary framework in which international business transactions are conducted.

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HEAD OF DEPARTMENT
Dept. of Business Administration
Quantum University, Roorkee

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Board of Studies

Department of Commerce and Finance



(26-03-2019)

Department of Commerce and Finance

Quantum School of Graduate Studies

Quantum University



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HEAD OF DEPARTMENT
Dept. of Commerce and Finance
Quantum University, Roorkee

BOARD OF STUDIES

DEPARTMENT OF COMMERCE AND FINANCE

B. Com (2019-22)

AGENDA


Date: 22-03-2019

The meeting of the Board of Studies in the Department of Commerce and Finance for the year 2019-20, will be held on 26-03-2019, 11:30 AM in Director Office, Quantum University, Roorkee.

The following agenda will be discussed in the meeting:

1. Confirmation of the minutes of the meeting for BOS held on 05-04-2018 for the Department of Commerce and Finance.
2. To apprise the Board on Action taken report.
3. Discussion on the feedback received from students and faculty members.
4. To discuss and approve the introduction of new courses in Bachelor of Commerce for the session 2019-20.
5. To discuss and approve the courses related with employability/entrepreneurship/skill development.
6. To discuss and approve the Value Added Courses for the session 2019-20 in Bachelor of Commerce.
7. To discuss and approve the program and course content having elements of field projects /Research project/ Internships.
8. To get the approval for the external examiners for the session 2019-20.
9. To discuss and finalize the detailed syllabuses on the basis of discussion held in the meeting for the batches 2019-20 for final approval at the forthcoming meeting of Academic Council.
10. Any other matter with the permission of Chairman.




HEAD OF DEPARTMENT
Dept. of Commerce and Finance
Quantum University, Roorkee

2 | Page

Promotion of MOOC Courses	MOOC Courses essentials have to be incorporated in the Curriculum aspects of the Programs.	Executed with the coordination of mentors. Degree of Finesse has been ensured.
Bloom's Taxonomy inculcation	Bloom's Taxonomy has to be verified for the question paper's authenticity.	Taxonomy has been verified as per the pedagogy implemented and Course Outcome considered.
FDP Conduction Concern Organization	FDPs has to be organized for the enhancement in Teaching Learning Process and in its Outcome derivation.	FDP were Scheduled and organized
IPR writing and induction activities	IPR related aspects has to be introduced with the intent to make the Outcome Based Learning more Effective in the areas of IPRs.	IPR Functionality and its relevance is incorporated in the curriculum and through conduction of various Activities.
Global Certifications Induction	Global Certification intervention is to be carried out at Academic Level.	Mentors were initiated to look ahead in the matter for Global Certification of their mentees.
Entrepreneurship Zeal Inculcation.	Entrepreneurship Camps, Activities and Industrial Exposure is to be carried out with a view to promote Entrepreneurial Learning within the Students.	Activity Charts and Scheduling has been made and executed under the guidance of Departmental Head.

Item No. 4

To discuss and approve the introduction of new courses in Bachelor of Commerce for the session 2019-20.

The Board's internal members presented the list of new courses scheduled to be offered during the 2018-19 session in Quantum University's B.Com Program for the first time. The Board approved the list. The approved list of newly introduced courses for the 2018-19 academic year in the B.Com Program is as follows

The List of Newly Introduced Courses in B.Com Program (Session 2019-20)

SEMESTER III





7 | Page

HEAD OF DEPARTMENT
Dept. of Commerce and Finance
Quantum University, Roorkee

Course Code	Category	COURSE TITLE	L	T	P	C	Version	Course Prerequisite
BC3301	PC	Money Banking & Financial Institution	5	0	0	5	1.0	Nil
BC3302	PC	Cost Accounting	5	0	0	5	1.0	Nil
BC3303	PC	Auditing	4	0	0	4	1.0	Nil
BC3304	PC	Financial Management II*	4	0	0	4	1.0	Honors
BI3303	PC	Principles and Practices of Banking \$	4	0	0	4	1.0	Banking & Insurance
	OE	Open Elective II	3	0	0	3	1.0	Nil
VP3301	VP	Communication & Professional Skills -III	0	0	2	1	1.0	Nil
GP3301	GP	General Proficiency	0	0	0	1	1.0	Nil
Total			17	0	2	192 3*\$		

*Honors

\$ Honors (Banking & Insurance)

OPEN ELECTIVE II

S.No.	Code	Name	Department (Offering)
1.	CE3013	Environment Pollution and Waste Management	Civil Engineering
2.	CS3013	Java Script	Computer Science and Engineering
3.	CS3023	Big Data Analytics: HDOOP Framework	Management + CSE
4.	AG3013	Organic farming	Agriculture
5.	BB3013	Establishing a New Business	Business & Management
6.	JM3013	Photo Journalism	Journalism
7.	HM3013	Chinese Cuisine	Hospitality & Tourism

8.	MB3013	SAP 3	Management
9.	EG3013	French Intermediate B1	English
10.	CS3033	MS -Excel (Advanced) MSO Certification	Computer Science and Engineering

SEMESTER IV

Course Code	Category	Course Title	L	T	P	C	Version	Course Prerequisite
BC3401	PC	Income Tax	5	0	0	5	1.0	Nil
BC3402	PC	Management Accounting	5	0	0	5	1.0	Nil
BC3403	PC	Company Law	4	0	0	4	1.0	Nil
BC3404	PC	Corporate Tax Planning	4	0	0	4	1.0	Honors
BC3405	PC	Indian Banking System	4	0	0	4	1.0	Banking & Insurance
	OE	Open Elective III	3	0	0	3	1.0	Nil
VP3411	VP	NSE Certification in Financial Market-II	2	0	0	2	1.0	Nil
GP3401	GP	General Proficiency	0	0	0	1	1.0	Nil
Total			19	0	0	20	24	*S

*Honors

\$Honors (Banking & Insurance)

OPEN ELECTIVE III

S.No.	Code	Name	Department (Offering)
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1.	CS3015	Environment Pollution and Waste Management	Civil Engineering
2.	CS3025	Java Script	Computer Science and Engineering
3.	AG3015	Big Data Analytics: HDOOP framework	Management + CSE
4.	BB3015	Organic farming	Agriculture
5.	IM3015	Establishing a New Business	Business & Management
6.	IM3015	Photo Journalism	Journalism
7.	MB3015	Chinese Cuisine	Hospitality & Tourism
8.	EG3015	SAP 3	Management
9.	CS3035	French Intermediate B1	English
10.	CS3015	MS -Excel (Advanced) MSO Certification	Computer Science and Engineering

Item No. 5

To discuss and approve the courses related with employability/entrepreneurship/skill development.

The chairman and member of BOS discuss and approve the list of subjects including theory and lab that provides employability/Entrepreneurship/Skill Development and these subjects will be finalized after the approval of academic council.

The list of courses that provide the Employability/ Entrepreneurship/ Skill Development are as follows:

S. No.	Name of the Course	Course Code	Activities/Content with direct bearing on Employability/ Entrepreneurship/ Skill development	Employability (Emp) Skill /Development. (S) (S)/Entrepreneurship(Ent)
1	Money Banking and Financial Institution	BC3301	Functioning of the monetary and financial sectors of the economy.	Emp/S/Ent
2	Cost Accounting	BC3302	Basic concepts used in cost accounting and various methods involved in cost ascertainment systems and use of	Emp/S





10 | Page

HEAD OF DEPARTMENT
Dept. of Commerce and Finance
Quantum University, Roorkee

Board of Studies
of
Department of Humanities and Social Sciences



Department of Humanities and Social Sciences
Quantum School of Graduate Studies
Quantum University, Roorkee

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HEAD OF DEPARTMENT
Dept. of Humanities & Social Sciences
Quantum University, Roorkee



BOARD OF STUDIES

Department of Humanities & Social Sciences

B.A. (Hons.) 2019-20

AGENDA

Date: - 17-06-2019

The meeting of the Board of Studies in the Department of Humanities & Social Sciences for the year 2019-20, will be held on **20-06-2019 at 11:00 A.M** Department of Humanities & Social Sciences, Quantum University, Roorkee.

The following agenda will be discussed in the meeting:

1. Confirmation of the minutes for BOS held on 02/08/2018 for the Department of Humanities and Social Sciences.
2. Action taken report
3. Discussion on the feedback received from students, faculty members and Industry experts.
4. To discuss and approve new courses to be introduced for Bachelor of Arts in the Department of Humanities and Social Sciences for academic session 2019-20.
5. To discuss and approve the implementation of Choice Based Credit System (CBCS), in Bachelor of Arts (H) specialization in English and Psychology for batch 2019-22.
6. To discuss and approve the subjects related with Employability/ Skill enhancement/ Entrepreneurship in Bachelor of Arts in the department of Humanities and Social Sciences.
7. To discuss and approve the list of Value-Added Courses for the program Bachelors of Arts.
8. To consider and approve the list of courses having element of Internship, projects and on the job Training.

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HEAD OF DEPARTMENT
Dept. of Humanities & Social Sciences
Quantum University, Roorkee



Item No. 4:

To discuss and approve a new course to be introduced for Bachelor of Arts in the Department of Humanities and Social Sciences for academic session 2019-20.

The Board resolved to recommend new courses in specialization of English and Psychology for program Bachelor of Arts (Honors) batch 2019-22.

SEMESTER 1

Papers for Specialization in Psychology:

Course Code	Category	Course Title	L	T	P	C
PS3107	PC	Introduction to Theory of Psychology	3	1	0	4
PS3140	PC	Psychology Practical Training I	0	0	2	1
		TOTAL	3	1	2	5

Papers for Specialization in English:

Course Code	Category	Course Title	L	T	P	C
EG3106	PC	English Poetry & Drama	4	1	0	5
EG3107	PC	Indian Writing in English	4	1	0	5
		TOTAL	8	2	0	10

SEMESTER 2

Common Paper for Psychology and English:

Course Code	Category	Course Title	L	T	P	C
EG3206	PC	British Literature (18 th -19 th Century)- excluding Romantic Literature	4	0	0	4
		TOTAL	4	0	0	4

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Dept. of Humanities & Social Sciences
Quantum University, Roorkee



2	Program Core	17	16	16	16	10	5	80
3	Program Electives	-	-	-	-	10	10	20
4	Open Electives	-	3	3	3	-	-	9
5	Project	-	-	-	0	0	5	5
6	Internship	-	-	-	-	-	0	0
7	VAPs	2	2	1	1	1	2	9
8	GP	1	1	1	1	1	1	6
9	Disaster Management*		2*					2*
	TOTAL CREDITS	26	24	21	21	22	23	137

*Non-CGPA Audit Course

Minimum Credit Requirements:

Bachelor of Arts (Hons) in Psychology: 137 credits

Bachelor in Arts (Hons) in English

SEMESTER-WISE BREAKUP OF CREDITS

Sr. No	CATEGORY	CREDITS
1	Foundation Core (FC)	04
2	Program Core (PC)	87
3	Program Electives (PE)	20
4	Open Electives (OE)	09
5	Project	07
6	Internship	-
7	Value Added Programs (VP)	9
8	General Proficiency (GP)	6
9	Disaster Management*	02*
	TOTAL NO. OF CREDITS	142

Sr. No	CATEGORY	SEM 1	SEM 2	SEM 3	SEM 4	SEM 5	SEM 6	TOTAL
1	Foundation Core	2	2	-	-	-	-	4
2	Program Core	22	15	21	16	8	5	87
3	Program Electives	-	-	-	-	10	10	20
4	Open Electives	-	3	3	3	-	-	9
5	Projects	-	-	-	-	2	5	7
6	Internship	-	-	-	-	-	-	-

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Dept. of Humanities & Social Sciences
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Papers for Specialization in Psychology:

Course Code	Category	Course Title	L	T	P	C
PS3207	PC	Theory and Systems of Psychology	3	0	0	3
PS3240	PC	Psychology Practical Training-II	0	0	2	1
		TOTAL	3	0	2	4

Papers for Specialization in English:

Course Code	Category	Course Title	L	T	P	C
EG3207	PC	American Literature	3	0	0	3
		TOTAL	3	0	0	3

BA (H) Specialization in Economics Batch 2018-21

SEMESTER 3

Course Code	Category	Course Title	L	T	P	C
EM3303	PC	Development Economics	4	0	0	4
EM3304	PC	Introduction to Developmental Psychology	4	0	0	4
MA3106	PC	Elements of Mathematics	3	2	0	4
EM3302	PC	Advance Macroeconomics	3	0	0	3
	OE	Open Elective II	3	0	0	3
VP3301	VP	Communication & Professional skills III	0	0	2	1
GP3301	GP	General Proficiency	0	0	0	1
		TOTAL	17	2	2	20

Course	Category	COURSE TITLE	L	T	P	C
		Open Elective II				

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Dept. of Humanities & Social Sciences
Quantum University, Roorkee



Code						
CE3013	OE	Environment Pollution and Waste Management	3	0	0	3
CS3023	OE	Big Data Analytics: HADOOPFramework	3	0	0	3
AG3013	OE	Organic farming	3	0	0	3
BB3013	OE	Establishing a New Business	3	0	0	3
JM3013	OE	Photo Journalism	3	0	0	3
HM3013	OE	Chinese Cuisine	3	0	0	3
MB3013	OE	SAP 3	3	0	0	3
EG3013	OE	French Intermediate B1	3	0	0	3
EG3002	OE	Report Writing	3	0	0	3
MT3013	OE	Introduction to Automation	3	0	0	3

SEMESTER 4

Course Code	Category	Course title				
EM3401	PC	Economics of Public Finance	5	0	0	5
EM3402	PC	International Economics	4	0	0	4
EM3403	PC	Industrial Economics	4	0	0	4
EM3470	P	Project I	3	0	0	3
	OE	Open Elective III	3	0	0	3
VP3401	VP	Employability Skills I (Numerical Abilities)	0	0	2	1
GP3401	GP	General Proficiency	0	0	0	1
		TOTAL	19	0	2	21

Open Elective III

Course Code	Category	COURSE TITLE	L	T	P	C
CE3015	OE	Hydrology	3	0	0	3
CS3025	OE	Data Science Models: Regression, Classification and Clustering	3	0	0	3
AG3015	OE	Mushroom Cultivation	3	0	0	3
BB3015	OE	E-commerce	3	0	0	3
JM3015	OE	Media industry and Management	3	0	0	3
HM3015	OE	Italian Cuisine	3	0	0	3
MB3015	OE	SAP 5	3	0	0	3
EG3015	OE	French Advance C1	3	0	0	3
MT3015	OE	Robotic Industry 4.0	3	0	0	3

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Dept. of Humanities & Social Sciences
Quantum University, Roorkee



Considering the demand of other specializations and reviewing trends in the industry, the chairman proposed the introduction of B. A. (Hons.) specialization in Psychology and English along with Economics for the batch 2019-22 in the Department of Humanities and Social Sciences.

The proposal was considered by the BOS. The proposal was recommended for final approval at the forthcoming meeting of the Academic Council and Board of Management.

Item No. 5:

To discuss and approve the implementation of Choice Based Credit System (CBCS), in Bachelor of Arts (H) specialization in English and Psychology for batch 2019-22 (Annexure II)

The Board resolved to approve the implementation of Choice Based Credit System (CBCS) for Batch 2019-22 for BA (H) Specialization in English and Psychology.

Bachelor of Arts (Hons) in Psychology

BREAKUP OF COURSES

Sr. No	CATEGORY	CREDITS
1	Foundation Core (FC)	8
2	Program Core (PC)	80
3	Program Electives (PE)	20
4	Open Electives (OE)	9
5	Project	5
6	Internship	0
7	Value Added Programs (VAP)	9
8	General Proficiency (GP)	6
9	Disaster Management*	2*
TOTAL NO. OF CREDITS		137

*Non-CGPA Audit Course

SEMESTER-WISE BREAKUP OF CREDITS

Sr. No	CATEGORY	SEM 1	SEM 2	SEM 3	SEM 4	SEM 5	SEM 6	TOTAL
1	Foundation Core	6	2	-	-	-	-	8

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HEAD OF DEPARTMENT
Dept. of Humanities & Social Sciences
Quantum University, Roorkee



BOARD OF STUDIES REPORT

Session (2019-20)

Bachelor of Science (Hons)

DEPARTMENT OF SCIENCES
Quantum School of Graduate Studies
Quantum University



[Signature]
HEAD OF DEPARTMENT
Department of Sciences
Quantum University, Roorkee

**BOARD OF STUDIES IN THE
QUANTUM SCHOOL OF GRADUATE STUDIES
DEPARTMENT OF SCIENCES
AGENDA**

Date:- 11th June 2019

The meeting of the Board of Studies in the Department of Sciences for the year 2019-20, will be held on 13th June 2019, 9:30 AM onwards in Physics Lab for Bachelor of Science (Hons), Quantum University, Roorkee

The following agenda will be discussed in the meeting:

- Item No 1. Confirmation of the minutes for BOS held on 13th March 2018 for Bachelor of Science (Hons) in the department of Sciences.
- Item No 2. Action taken report
- Item No 3. To discuss and approve the list of employability / entrepreneurship / skill development.
- Item No 4. To discuss and approve the Value Added Courses in Bachelor of Science (Hons) Programme.
- Item No 5. Discussion on the feedback received from students, faculty members.
- Item No 6. To discuss and approve the introduction of new introduced Subject with Syllabus Bachelor of Science (Hons) Programme.
- Item No 7. To Discuss & approve the proposed revised curriculum of syllabus of program Bachelor of Science (Hons) Programme from the academic session 2019-20.
- Item No 8. To discuss and approve the program and course content having element of field projects /Research project/ Internships.
- Item No 9. To discuss and update on the Scheme & Pattern of Examination.
- Item No 10. To discuss and approve the panel of examiner & moderation.




HEAD OF DEPARTMENT
Dept. of Sciences
Quantum University, Roorkee

RESOLUTION

UNANIMOUSLY RESOLVED THAT the brochure and course content along with the course outcome of value added courses (Domain Specific) offered that enhance the skills of the students.

S.No.	Programme Name	Sem	Name of certification	Offered from	Nature of Certification	Level	Year of Offering	Duration of the Certification (in Hrs)
1	Bachelor of Sciences (Hons) PCM	I	Certification in Vedic Maths Fundamental	Department of Sciences	Skill development	Interdisciplinary department level course	2019	30
2	Bachelor of Sciences (Hons) PCM	III	Certification in Vedic Maths Fundamental	Department of Sciences	Skill development	Interdisciplinary department level course	2019	30

Item No. 5

5. Discussion on the feedback received from students, faculty members.

Chairman & BOS briefed the feedbacks about the course curriculum and facilities at university as received from students, faculty members.

The members had a detailed discussion on the different aspects of feedbacks received and also the necessary action taken on the same by the competent authority.

RESOLUTION

UNANIMOUSLY RESOLVED THAT the necessary action taken and suggestions has been incorporated subject to the final approval of the Academic Council

Item No. 06

6. Discussion on the introduction of the "New Introduced" subjects in the curriculum of Bachelor of Science (Hons) specialization in Physics, specialization in Chemistry & specialization in Mathematics Programme

Dr. Rakhi Sharma explained that this subject provides the strong mathematical analysis of the communication engineering without which the students feel difficult to understand the subjects.




HEAD OF DEPARTMENT
Dept. of Sciences
Quantum University, Roorkee

RESOLUTION

UNANIMOUSLY RESOLVED THAT the structure of the Courses "Bachelor of Science (Hons) specialization in Physics, specialization in Chemistry & specialization in Mathematics" are appreciated and approved with the suggested changes and is subject to the final approval of Academic Council. (For the details See Annexure BOS/QSGS/DSC/2019/2)

Item No. 7

7. Discussion & approval of the revision of syllabus of program Bachelor of Science (Hons) specialization in Physics, specialization in Chemistry & specialization in Mathematics from the academic session 2019-20.

Dr. Rakhi Sharma, HOD briefed about the rationale the revision of syllabus of program Bachelor of Science (Hons) specialization in Physics, specialization in Chemistry & specialization in Mathematics from the academic session 2019-20.

RESOLUTION

UNANIMOUSLY RESOLVED the revision of the syllabus of the program 2019 is appreciated and approved with the suggested changes and is final approval the Academic council

Bachelor of Science (Hons)

Specialization in Physics

Total No. of Subjects	60 (Including all Elective)
New Subjects Introduced	14*100=1400
No. of Subjects where Revision carried out	NIL
No of Subjects where no revision carried out	46
Total % Revision	1400/60=23.33 %


HEAD OF DEPARTMENT
Dept. of Sciences
Quantum University, Roorkee

BOARD OF STUDIES

Department of Agriculture Studies

Session: 2019-20



School of Agricultural Studies

Quantum University, Roorkee




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

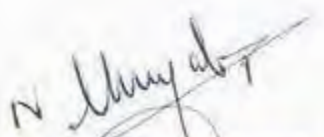
**BOARD OF STUDIES IN THE
DEPARTMENT OF AGRICULTURE STUDIES
AGENDA**

Date:-08/06/2019

The meeting of the Board of Studies in the Department of Agriculture Studies for the year 2019 will be held on **11/06/2019 at 11.00 AM** in the office of Head of the Department of Agriculture Studies, Quantum University, Roorkee.

The following agenda will be discussed in the meeting:

1. To confirm and approve the minutes of 1st BOS meeting held on 31/03/2018 for the Department of Agriculture Studies.
2. To report the action taken, where necessary, on the various decisions taken by the BOS in its 1st meeting held on 31/03/2018
3. To consider the identification of the Sub Specialty group in the School of Agricultural Studies to accelerate the Teaching-Learning process.
4. Review and discussion on the feedback provided by students and faculty members on the courses for B.Sc. (Hons) Agriculture Programs in 2018-19
5. To discuss and approve the introduction of new Courses in Bachelor of Science (Hons) in Agriculture for the session 2019-2020
6. To discuss and approve the list of employability/entrepreneurship/skill development Courses for the session 2019-2020
7. To discuss and approve the updated list of professional ethics, human values, environment and sustainability
8. To discuss and approve the Value Added Courses in Bachelor of Science (Hons) in Agriculture Programme
9. To Consider and approve the panel of examiners for theory and practical examination
10. Any other matter with the permission of Chair


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



AG3214	R-8 Fundamentals of Soil Science needs to be introduced in 2nd semester as it is prerequisite for various advance courses on Soil Science	Introduced in the 2nd Semester
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Other Teaching Learning Aspects		
Overall Teaching Learning Process	R-8 Towards enhancing employability and entrepreneurial ability of the graduates the SSG decided to increase the practical content in the courses wherever necessary. It was also decided to provide special time slot for library consultation and other activities like assignments, seminars and project preparation etc. This is recommended also to include courses on Personality and Leadership Development, Yoga Practices and Human Values & Ethics in the list of non-credit courses.	Implemented
Peer Group Learning	R-6 There is need to initiate special assignments for slow and advance learner based on Mini-Projects/Flip Classes/Field Work/Interdisciplinary Projects which can be considered in place of A-2 Assignment in the respective subject	Implemented
IT Enabled Literacy	R-6 The mini projects should be interdisciplinary using the application of IT to make the student more competent as per the requirement of agriculture market	Implemented
Communication Skills	R-7 More students presentations, Extension activities are required to be implemented	Incorporated in Assignment, flip classes, mini projects supervised by teachers

Resolution Item No. 4

The BOS member after deliberation and going through all the feedback of students and teachers the Board approved the scheme and syllabus of Bachelor of Science (Hons) in Agriculture for session 2019-2020. (Annexure-I) for the further approval of the Academic Council.

Item No. 5 To discuss and approve the introduction of new Courses in Bachelor of Science (Hons) in Agriculture for the session 2019-2020

The board went through the list of newly introduced Courses for B.Sc. (Hons) Agriculture for session 2018-19. The chairperson appraised the Board that the list is prepared according to the



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 K. Mahesh
 Sajeda
 Head of Department
 Dept. of Agriculture Studies
 Quantum University, Roorkee

ICAR-5th Dean Committee report in continuation to the session 2018-2019. Some of the Courses were newly introduced in 1st year for the session 2019-2020 and rest are second year courses which will be offered in 2019-20 for the very first time since the inception of the program in the university. The list of newly introduced Courses in 2019-20 are as follow:


Name of the New Subjects Introduced in 2019-20

S. N.	Name of the New courses introduced	Course code	Year of Introduction
1.	Environmental Studies	CY3305	2019-20
2.	Crop Production Technology and Crop Improvement-I (Kharif crops)	AG3306	2019-20
3.	Fundamentals of Plant Pathology	AG3307	2019-20
4.	Fundamentals of Soil Science	AG3308	2019-20
5.	Agricultural Marketing Trade and Finance and Co-Operation	AG3309	2019-20
6.	Farm Machinery and Power	AG3310	2019-20
7.	Principles of Organic Farming	AG3312	2019-20
8.	Introduction to Forestry	AG3313	2019-20
9.	Food Safety and Standards (Program Elective I)	AG3316	2019-20
10.	Agrochemicals(Program Elective I)	AG3317	2019-20
11.	Commercial Plant Breeding(Program Elective I)	AG3318	2019-20
12.	Landscaping (Program Elective I)	AG3319	2019-20
13.	Environmental Studies Lab	CY3355	2019-20


 RPS
 Head of Department
 Dept. of Agriculture Studies
 Quantum University, Roorkee


 R. Kumar
 169

14. Crop Production Technology and Crop Improvement- I (Kharif crops) Lab	AG3340	2019-20
15. Fundamentals of Plant Pathology Lab	AG3341	2019-20
16. Fundamentals of Soil Science Lab	AG3342	2019-20
17. Agricultural Marketing Trade and Finance and Co-Operation Lab	AG3343	2019-20
18. Farm Machinery and Power Lab	AG3344	2019-20
19. Principles of Organic Farming Lab.	AG3350	2019-20
20. Introduction to Forestry Lab	AG3351	2019-20
21. Food Safety and Standards Lab (Program Elective I Lab)	AG3345	2019-20
22. Agrochemicals Lab (Program Elective I Lab)	AG3346	2019-20
23. Commercial Plant Breeding Lab (Program Elective I Lab)	AG3347	2019-20
24. Landscaping Lab (Program Elective I Lab)	AG3348	2019-20
25. Value Added Program-2	VP3301	2019-20
26. National Service Scheme (NSS-III)	NSS3301	2019-20
27. Crop Production Technology and Crop Improvement-II (Rabi crops)	AG3406	2019-20
28. Management of Beneficial Insects	AG3407	2019-20
29. Production Technology for Fruit and Plantation Crops	AG3408	2019-20



 T. R. Verma
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 Head of Department
 Dept. of Agriculture Studies
 Quantum University, Roorkee
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30.	Manures, Fertilizers and Soil Fertility Management	AG3409	2019-20
31.	Principles of Food Science and Nutrition	AG3410	2019-20
32.	Fundamentals of Horticulture	AG3411	2019-20
33.	Livestock and Poultry Management	AG3413	2019-20
34.	Biopesticides and Biofertilizers (Program Elective II)	AG3416	2019-20
35.	Agribusiness Management (Program Elective II)	AG3417	2019-20
36.	Protected Cultivation (Program Elective II)	AG3418	2019-20
37.	Crop Production Technology and Crop Improvement- II (Rabi crops) Lab	AG3440	2019-20
38.	Management of Beneficial Insects Lab	AG3441	2019-20
39.	Production Technology for Fruit and Plantation Crops Lab	AG3442	2019-20
40.	Manures, Fertilizers and Soil Fertility Management Lab	AG3443	2019-20
41.	Fundamentals of Horticulture Lab	AG3444	2019-20
42.	Livestock and Poultry Management Lab	AG3449	2019-20
43.	Biopesticides and Biofertilizers Lab(Program Elective II Lab)	AG3445	2019-20
44.	Agribusiness Management Lab (Program Elective II Lab)	AG3446	2019-20
45.	Protected Cultivation Lab (Program Elective II Lab)	AG3447	2019-20
46.	Project- Mushroom Cultivation	AG3470	2019-20

47. Value Added Program-3	VP3401	2019-20
48. National Service Scheme (NSS-IV)	NSS3401	2019-20

Resolution Item No. 5

After deliberation on Local, National and Global issues through the Government policies Board has approved the list of New Introduced Courses for the session 2019-20.

Item No. 6 To discuss and approve the list of employability/entrepreneurship/skill development Courses for the session 2019-2020

The board went through the scheme and detailed syllabus of list of employability/entrepreneurship/skill development Courses and observed that both academic excellence and relevance (employability and entrepreneurial ability) have been emphasized. The course curricula contained in the report are designed and geared to ensure excellence, relevance, and creation of skilled, talented, and entrepreneurial human resources and knowledge pools to harness demographic dividends, and to achieve high quality of products, farmers profitability, zero environmental footprint, climate resilience, high input and natural resources use efficiency, inclusiveness, and competitiveness. The Committee after thorough discussion finalized the list of employability/entrepreneurship/skill development Courses scheduled to be introduced in the session 2019-2020. The approved list of the courses are as follow:

S.No.	Subject Name	Subject Code	Content with direct bearing on Employability/ Entrepreneurship/ Skill development (Em, En, SD)
1.	Environmental Studies	CY3305	Em, En, SD
2.	Crop Production Technology and Crop Improvement- I (Kharif crops)	AG3306	Em, En, SD
3.	Fundamentals of Plant Pathology	AG3307	Em, En, SD

Board of Studies

Department of Media Studies



Quantum School of Media Studies & Design

Quantum University,

Date of Meeting-11/06/2019

BOARD OF STUDIES
DEPARTMENT OF MEDIA STUDIES

AGENDA

Date: -07/06/2019

The meeting of the Board of Studies for the Department of Media Studies for the year 2019-20, will be held on 11/06/2019 at 10 am onwards in the Board Room of Quantum University.

The following agenda will be discussed in the meeting:

1. To consider and approve the Minutes of last meeting dated 02-08-2018 for the department of Media Studies
2. To consider and approve the Action Taken Report (ATR).
3. To discuss and approve the feedback on course curriculum as received from students, faculty members for the BA(H) JMC program.
4. To discuss and approve the newly introduced courses for the program Bachelor of Arts (Hons.) in Journalism and Mass Communication.
5. To discuss and approve the new introduced courses for the program in B.Sc. Animation & VFX.
6. To discuss and approve the list of employability /entrepreneurship/skill development for the program BA(H) JMC.
7. To discuss and approve the list of employability /entrepreneurship/skill development for the program B.Sc. Animation & VFX.
8. To discuss and approve the implementation of Choice Based Credit System (CBCS), in the program B.Sc. Animation & VFX from Academic Session 2019-20.
9. To discuss and approve the subjects related to the Human Values in the program BA (H) JMC.
10. To discuss and approve the Examination schemes, pattern of examinations for the program B.Sc. Animation & VFX.




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

Item No. 4

To discuss and approve the newly introduced courses for the program Bachelor of Arts (Hons.) in Journalism and Mass Communication.

Unanimously the board resolved and recommended to approve the new introduced courses in Semester III and Semester IV of Bachelor of Arts (Hons) in Journalism and Mass Communication.

SEMESTER 3

Course Code	Category	Course Title	L	T	P	C
JM3301	PC	Media Laws	4	0	0	4
JM3305	PC	Digital Advancement in Journalism I	3	0	0	3
JM3303	PC	Development Communication	3	0	2	4
JM3304	PC	Radio Production and Lab	2	0	4	4
JM3307	PC	Specialized reporting and Feature writing	0	0	4	2
	OE	Open Elective II	3	0	0	3
VP3315	VP	Video Editing	0	0	4	2
GP3301	GP	General Proficiency	0	0	0	1
		TOTAL	15	0	14	23



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

Handwritten signatures: Rohan, Amit, Sneh, Hnd., Aditi, Anshu, Gaurav, Rajeev.

SEMESTER 4

Course Code	Category	Course Title	L	T	P	C
JM3401	PC	Digital Advancement in Journalism II	2	0	4	4
JM3402	PC	Broadcast Media (T.V.)	2	0	4	4
JM3403	PC	Cinematography	2	0	4	4
JM3404	PC	Public Relations & Advertisement	3	0	2	4
JM3405	PC	Art of News Gathering	3	0	2	4
	OE	Open Elective III	3	0	0	3
VP3412	VP	Writing for Visual	0	0	4	2
GP3401	GP	General Proficiency	0	0	0	1
		TOTAL	15	0	20	26



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

Sachin
Roham
Amit

Hirendra
Amit

Abhi
Anshu

Gayatri
D

Rajeev

Item no 5

To discuss and approve the new introduced courses for the program in B.Sc. Animation & VFX.

The board resolved and recommended to approve the new introduced courses for the program titled B.Sc. Animation & VFX for the session 2019-20. This Program is launched for the first time in the University. All the courses are newly introduced.

SEMESTER 1

CourseCode	Category	CourseTitle	L	T	P	C
JM3102	FC	General Studies & Current Affairs	2	0	0	2
AN3101	PC	Basic of Sketching and Drawings	2	0	4	4
AN3103	PC	Introduction to Graphic designing	4	0	0	4
AN3102	PC	Preproduction Elements	4	0	0	4
VP3114	PC	Fundamental of Photography	0	0	4	2
EG3103	FC	English Communication	0	0	4	2
GP3101	GP	General Proficiency	0	0	0	1
		TOTAL	12	0	12	19



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

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Aditi
Rohit

Gaurav
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Rajeev

SEMESTER 2

Course Code	Category	COURSE TITLE	L	T	P	C
CE3101	FC	Disaster Management*	2	0	0	2*
CY3205	FC	Environmental Studies	2	0	0	2
AN3201	PC	2d Digital Animation (Flash)	2	0	4	4
AN3202	PC	Film Production	4	0	0	4
GD3202	PC	Advance Graphics Design for Animation	3	0	2	4
AN3203	PC	Introduction to Classical Animation	3	0	0	4
	OE	Open Elective I	3	0	0	3
VP3212	VP	Audio Editing	0	0	4	2
GP3201	GP	General Proficiency	0	0	0	1
TOTAL			19	0	10	24




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

Sach.
 Rohan.
 Anish
 Hrush
 As
 Adit
 Harsh
 Gaurav
 Rajeev



**Minutes of Second Meeting
of
The Board of Studies
Department of Paramedical Sciences
(Bachelor of Science in Medical Radiology and Imaging Technology)
held on
Date 13-04-2019**

**Department of Paramedical Sciences
Quantum School of Health Sciences
Quantum University, Roorkee
2019-2020**

HEAD OF DEPARTMENT
Dept. of Paramedical Sciences
Quantum University, Roorkee



System (CBCS) for the specified academic session, signifying the commitment to its implementation.

The board members unanimously resolved to approve the above proposed curriculum of Bachelor of Science in Medical Radiology and Imaging Technology course based on CBCS to be offered for 2019 onwards enrolled students subject to the final approval of Academic Council.

6.To discuss and approve the introduction of new subjects in the syllabus of Bachelor of Science in Medical Radiology and Imaging Technology for the year 2019-2020.

The Chairman and the BOS members deliberated and approved some new introduced subjects in the academic session 2019-20. The BOS Chairman informed that all second year courses will be offered for very first time since the inception of the program in 2018-19 and will be considered as Newly Introduced Courses for 2019-20

List of New Newly Introduced Courses for 2019-20

S. No	Name of the New courses introduced in 2019-20	Course code	Year of Introduction
1	Environmental Studies (1st Year)	CY3205	2019
2	Radiographic Positioning II	RD3301	2019
3	Conventional Radiographic Technique-I	RD3302	2019
4	Basics of USG and Mammography	RD3303	2019
5	Special Radiographic Procedure	RD3304	2019
6	Orientation in Clinical Sciences	RD3305	2019
7	Special Radiographic Procedure Lab	RD3341	2019
8	Radiographic Positioning – II Lab	RD3342	2019
9	Hospital Posting	RD3343	2019
10	Communication & Professional Skills – III	VP3301	2019
11	Conventional Radiographic Technique II	RD3401	2019
12	Equipment of Radiotherapy	RD3403	2019

13	Computed Tomography	RD3402	2019
14	Magnetic Resonance Imaging	RD3404	2019
15	Orientation in Para Clinical Sciences	RD3405	2019
16	Computed Tomography Lab	RD3441	2019
17	Magnetic Resonance Imaging Lab	RD3442	2019
18	Communication & Professional Skills – IV	VP3401	2019

The board members unanimously approve the newly introduced courses in session 2019-20.

7. To discuss and approve the list of Employability/ Entrepreneurship/ Skill development.

The Chairman and the BOS members discuss and approve the list of subjects including theory and lab that provide the employability/ entrepreneurship/ skill development for the academic session 2019-20. (Annexure IV)

The board members unanimously resolved the list of subjects that provide the employability/ entrepreneurship/ skill development. These are appreciated and approved with the suggestive changes for academic session 2019-20.

8. Enhancing Industrial Exposure for Students through Academic Activities.

During the meeting, the Department of Paramedical Sciences presented an initiative to provide students with greater industrial exposure. This involves a Memorandum of Understanding (MOU) established with Synergy Hospital, Dehradun facilitating hospital placements to enrich students' knowledge in areas such as patient communication, the operation of medical equipment, exposure to hospital environments, patient care practices, and radiological procedures.

The Chairman and the Board of Studies (BOS) members have granted their approval for this Academic Activity, which is meticulously designed to offer students enhanced industrial exposure during the academic session of 2019-20.

The board members unanimously resolved that the Academic Activity aims to impart the best possible knowledge to the students, benefiting their overall educational experience.

**Minutes of the Second Meeting
of**

The Board of Studies

Department of Pharmacy

(Bachelor of Pharmacy

&

Diploma In Pharmacy)

held on

Date: 13/04/2019

Department of Pharmacy
Quantum School of Health Sciences
Quantum University, Roorkee
2019-20



HEAD OF DEPARTMENT
Dept. of Pharmacy
Quantum University, Roorkee

BOARD OF STUDIES IN THE DEPARTMENT OF PHARMACY

AGENDA

Date:- 08/04/2019

The meeting of the Board of Studies in the Department of Pharmacy for the year 2019-20, will be held on 13/4/2019 at 10:30AM in Department of Pharmacy, Quantum University, Roorkee.

The following agenda will be discussed in the meeting:

1. Confirmation of the minutes for BOS held on 12/05/2018 for Quantum School of Health Sciences.
2. Action taken report
3. Quantum University introduced a new program Bachelor of Pharmacy in the department of Pharmacy.
4. To discuss and approved the implementation of Choice Based Credit System (CBCS) in Bachelor of Pharmacy from Academic Session 2019-20.
5. To discuss and approve the list of employability/ Entrepreneurship/ Skill development.
6. To discuss about the Academic Activity for providing more Academic/Industrial exposure to students.
7. To discuss and approved the Value Added Courses in Bachelor of Pharmacy.
8. Discussion on the feedback received from students, faculty members.
9. To discuss and approve the introduction of new Subject with Syllabus of Diploma in Pharmacy and Bachelor of Pharmacy.
10. To Discuss & approve the proposed revised curriculum of syllabus of program Diploma in Pharmacy from the academic session 2019-20.
11. To discuss and approve the program and course content having element-of-field projects/ research project/ internships.
12. To discuss and update on the Scheme & Pattern of Examination.
13. To discuss and approve the list of Professional Ethics, Gender, Human Values and Environment and Sustainability.



HEAD OF DEPARTMENT
Dept. of Pharmacy
Quantum University, Roorkee

Item no 1

[No.: BOS/QSHS/DP/2019/1]

The Chairmen and the BOS members approved the confirmation of the minutes of BOS held on dated 12/05/2018 for department of Pharmacy.

Resolution: Item No. 1

[No.: BOS/QSHS/DP/2019/1]

UNANIMOUSLY RESOLVED to approve the minutes of BOS meeting held on dated 12/05/2018 for department of Pharmacy of Diploma in Pharmacy were hereby confirmed.

Item no 2

[No.: BOS/QSHS/DP/2019/2]

The Chairmen and the BOS members deliberated and approved the Action Taken Report for academic session 2018-19.

Resolution: Item No. 2

[No.: BOS/QSHS/DP/2019/2]

UNANIMOUSLY RESOLVED the revised curriculum discussed and approved vide resolution number BOS/QSHS/DP/2018/2 with suggestions have been implemented from July 2018 for the following courses.

List of all Theory and Practical Subject for D. Pharm (Annexure 1)

Item no 3

[No.: BOS/QSHS/DP/2019/3]

The Chairmen and the BOS members approved the new Program Bachelor of Pharmacy for the academic session 2019-20.

Resolution: Item No. 3

[No.: BOS/QSHS/DP/2019/3]

UNANIMOUSLY RESOLVED to approve the above proposed program and the curriculum of Bachelor of Pharmacy offered for 2019 onwards to enroll students subject to the final approval of academic council.

Item no 4

[No.: BOS/QSHS/DP/2019/4]

The Chairmen and the BOS members deliberated and approved the Choice Based Credit System (CBCS) for academic session 2019-20.

Resolution: Item No. 4

[No.: BOS/QSHS/DP/2019/4]



HEAD OF DEPARTMENT
Dept. of Pharmacy
Quantum University, Roorkee

Communication Skills	More students presentations are required to be implemented	Incorporated in Assignment, flip classes, mini projects supervised by teachers
Training for Placements	New array of hospital Mentorship and placement trainings of hospitals for special drives through health camp.	Duties of mentors to educate about pharmacy training period, health program.

Signature with Date & Name

(Faculty In-charge, Feedback System)	Department Coordinator	(Principal QSHS)
Director		

Item No. 9

[No.: BOS/QSHS/DP/2019/9]

The Chairmen and the BOS members deliberated and approved some new introduced subjects in session 2019-20.

Resolution: Item no 9

[No.: BOS/QSHS/DP/2019/9]

UNANIMOUSLY RESOLVED THAT the necessary action taken and suggestions has been incorporated for the new introduced subject to the final approval of the Academic Council.
(Annexure-5)

Item No. 10

[No.: BOS/QSHS/DP/2019/10]

Discussion & approval of the revision of syllabus of program Diploma in Pharmacy from the academic session 2019-20.

Dr. Gulshan Chauhan, Director, briefed about the rationale the revision of syllabus of program Diploma in Pharmacy from the academic session 2019-20.

Resolution: Item no 10

[No.: BOS/QSHS/DP/2019/10]




HEAD OF DEPARTMENT
Dept. of Pharmacy
Quantum University

Board of Studies

Department of Hospitality & Tourism

Dated: 06-04-2019



Quantum School of Hospitality & Tourism

Quantum University, Roorkee

HEAD OF DEPARTMENT
Dept. of Hospitality and Tourism
Quantum University, Roorkee



Board of Studies
Department of Hospitality & Tourism

AGENDA

Date:-2/4/2019

The meeting of the Board of Studies in Department of Hospitality & Tourism for the year 2019-20, will be held on **6/4/2019** at **10:00am** in Board Room Quantum University, Roorkee.

The following agenda will be discussed in the meeting:

1. Confirmation of the minutes from the Board of Studies meeting conducted on 6/2/2018, for the Department of Hospitality & Tourism.
2. To consider and approve the Action taken report of the previous meeting.
3. Review and discussion on the feedback provided by students and faculty members on the curriculum for BHM.
4. To discuss and approve of the incorporation of a new introduced courses in 1st year and 2nd year, along with its syllabus, into the Bachelor of Hotel Management program in 2019-20.
5. To discuss and approve initiatives focused on improving employability and skills in the Bachelor of Hotel Management program
6. To discuss and approve additional value added courses for the Bachelor of Hotel Management program
7. To discuss and approve program and course content that includes elements such as field projects, research projects, and internships within the Bachelor of Hotel Management program.
8. To discuss and approve a new set of topics related to professional ethics, gender awareness, human values, environmental sustainability, and social responsibility applicable from 2019-20 within the Bachelor of Hotel Management program

HEAD OF DEPARTMENT
Dept. of Hospitality and Tourism
Quantum University, Roorkee



Communication Skills	More students presentations are required to be implemented	Incorporated in Assignment, flip classes, mini projects supervised by teachers
Orientation	Orientation program should be more elaborative and informative.	Information regarding major and minor courses need to be given at the time of orientation only.

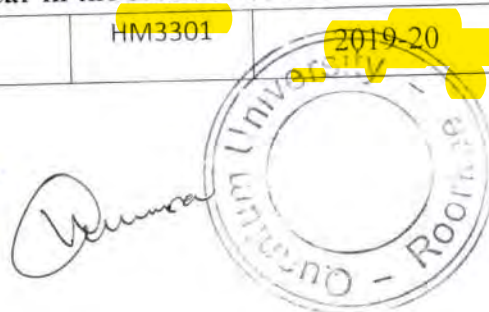
Based on above recommendations the syllabus is modified as per the requirement, which is applied for syllabus for 2019-23 batch.

4. To discuss and approve of the incorporation of a new introduced courses in 1st year and 2nd year, along with its syllabus, into the Bachelor of Hotel Management program

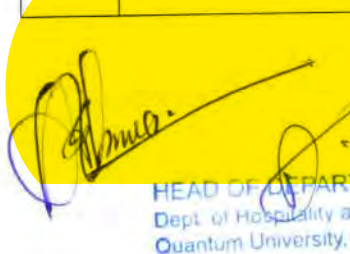
The chairman informed that the 2nd year of the program is going to run for very first time therefore all the 2nd year courses will be considered as newly introduced courses. There are some courses which has been modified for the first year also. The list of new introduced courses are as follows:

S. N.	Name of the New courses introduced in the session 2019-20	Course code	Year of Introduction
New Courses Introduced in 1st year in the session 2019-20			
1	Life Learning Skills	VP3113	2019-20
2	French Language	EG3210	2019-20
3	Principle of Food Science	VP3213	2019-20
New Courses Introduced in 2nd year in the session 2019-20			
4	Introduction to Indian Cuisine	HM3301	2019-20


HEAD OF DEPARTMENT
Dept. of Hospitality and Tourism
Quantum University, Roorkee



5	Bar Management	HM3302	2019-20
6	Laundry Management	HM3303	2019-20
7	Human Resource Management for Hospitality	HM3304	2019-20
8	Introduction to Indian Cuisine Lab	HM3340	2019-20
9	Bar Management Lab	HM3341	2019-20
10	Laundry Management Lab	HM3342	2019-20
11	English Communication	VP3313	2019-20
12	Food Production-III	HM3401	2019-20
13	Food & Beverage Service-III	HM3402	2019-20
14	Front Office-III	HM3403	2019-20
15	Housekeeping-III	HM3404	2019-20
16	Research Methodology	HM3405	2019-20
17	Environmental Studies	CY3205	2019-20
Program Elective			
18	Garde Manger	HM3406	2019-20
19	Hospital Catering	HM3407	2019-20
20	Concierge	HM3408	2019-20
21	Housekeeping Mall & Amusement Park	HM3409	2019-20
22	Food Production-III Lab	HM3440	2019-20
23	Food & Beverage service-III Lab	HM3441	2019-20
24	Front Office-III Lab	HM3442	2019-20


HEAD OF DEPARTMENT
Dept. of Hospitality and Tourism
Quantum University, Roorkee







25	Housekeeping-III Lab	HM3443	2019-20
26	Hotel & Hospitality Communication-I	VP3413	2019-20

The BOS members resolved to approve newly introduced courses in the Bachelor of Hotel management program for the session 2019-20.

5. To discuss and approve initiatives focused on improving employability and skills within the Bachelor of Hotel Management program.

The BOS members discussed and approved a list (*in continuation of 2018-19*) of subjects (*newly introduced courses*), encompassing theory and lab components, designed to enhance employability, entrepreneurship, and skill development for the Bachelor of Hotel Management

List (*in continuation of 2018-19*) of Courses Focus (*Newly introduced*) on Employability/ Entrepreneurship/ Skill Development in Bachelor of Hotel Mangement

S. No.	Name of the Course	Course Code	Year of Introduction	Activities/Content with direct bearing on Employability/ Entrepreneurship/ Skill development
1	Introduction to Indian Cuisine	HM3301	2019-20	To impart basic knowledge about Indian Cuisine
2	Bar Management	HM3302	2019-20	To provide deep knowledge about managing the bar.
3	Laundry Management	HM3303	2019-20	To impart advance skill for laundry management
4	Human Resource Management for	HM3304	2019-20	To provide information about dealing the human


HEAD OF DEPARTMENT
Dept. of Hospitality and Tourism
Quantum University, Roorkee



