

QUANTUM UNIVERSITY ROORKEE



The Minutes of Extracted Board of Studies for Employability/ Entrepreneurship/ Skill Development Courses



Registrar
Quantum University

Session (2019-2020)

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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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8. To discuss and approve the List of Employability/ Entrepreneurship/ Skill development in Master of Technology in Computer Science and Engineering.

9. To discuss and approve the Value-Added Courses in Bachelor of Technology in Computer Science & Engineering.

10. To discuss and approve the program and course content having elements of field projects/Research projects/Internship in Bachelor of Technology in Computer Science & Engineering.

11. To discuss and approve the program and course content having elements of field projects/Research projects in Master of Technology in Computer Science & Engineering.

12. To discuss & approve the proposed revised curriculum of syllabus of program course in Bachelor of Technology in Computer Science & Engineering for the batch 2019-23.

13. To discuss & approve the proposed revised curriculum of syllabus of program course in Master of Technology in Computer Science and Engineering for the batch 2019-23.

14. Any additional topic or issue may be discussed with the Chair's consent


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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-




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S. No.	Name of the Course	Course Code	Year of introduction	Employability/ Entrepreneurship/ Skill development (Emp /Ent /Sd)
1	Graph Theory and Probability	CS3203	2019-20	Emp /Ent /Sd
2	Advance C Programming	CS3206	2019-20	Emp /Ent /Sd
3	HTML5 and CSS	CS3204	2019-20	Emp /Ent /Sd
4	Web and Digital Analytics	CS3205	2019-20	Emp /Ent /Sd
5	Human Values and Ethics	PS3101	2019-20	Emp
6	Advance C Programming Lab	CS3242	2019-20	Emp /Ent /Sd
7	HTML5 and CSS Lab	CS3243	2019-20	Emp /Ent /Sd
8	Web and Digital Analytics Lab	CS3244	2019-20	Emp /Ent /Sd
9	Communication & Professional Skills -II	VP3201	2018-19	Emp/Sd
10	Data Structure and Programming	CS3301	2019-20	Emp /Ent /Sd
11	Discrete Design Structure	CS3302/ CS3307	2019-20	Emp /Ent /Sd
12	Digital Electronics	EC3306	2019-20	Emp /Ent /Sd
13	Linux and Open Source	CS3304	2019-20	Emp /Ent /Sd



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14	Database Management System	CS3305	2019-20	Emp /Ent /Sd
15	Data Structure Programming Lab	CS3340	2019-20	Emp /Ent /Sd
16	Digital Electronics Lab	EC3341	2019-20	Emp /Ent /Sd
17	Oracle/SQL Server Lab	CS3342	2019-20	Emp /Ent /Sd
18	Linux and Open Source Lab	CS3343	2019-20	Emp /Ent /Sd
19	Project Lab I	CS3346	2019-20	Emp /Ent /Sd
20	Value Added Program III	VP3301	2019-20	Emp/Sd
21	Internship Presentation	CS3371	2019-20	Emp /Ent /Sd
22	Basic of C++ Programming	CS3351	2019-20	Emp /Ent /Sd
23	Basic of Networking and Trusted Operating System	CS3352	2019-20	Emp /Ent /Sd
24	Demystifying Artificial Intelligence & Machine Learning	CS3321	2019-20	Emp /Ent /Sd
25	Python Programming	CS3322	2019-20	Emp /Ent /Sd
26	Python Programming Lab	CS3344	2019-20	Emp /Ent /Sd
27	Software Engineering	CS3401	2019-20	Emp /Ent /Sd
28	Computer Network	CS3402	2019-20	Emp /Ent /Sd
29	Object Oriented Programming and Systems with Java	CS3403	2019-20	Emp /Ent /Sd
30	Theory of Automata and Formal Language	CS3404	2019-20	Emp /Ent /Sd



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31	Object Oriented Programming and Systems with Java Lab	CS3440	2019-20	Emp /Ent /Sd
32	Case Tools and Testing Lab	CS3441	2019-20	Emp /Sd
33	Computer Network Lab	CS3442	2019-20	Emp /Ent /Sd
34	Project Lab II	CS3446	2019-20	Emp /Ent /Sd
35	Value Added Program IV	VP3401	2019-20	Emp/Sd
36	Supervised Learning	CS3421	2019-20	Emp /Ent /Sd
37	Mathematics for Machine Learning	CS3422	2019-20	Emp /Ent /Sd
38	Supervised Learning Lab	CS3443	2019-20	Emp /Ent /Sd
39	Advance Networking	CS3451	2019-20	Emp /Ent /Sd
40	Advance Networking Lab	CS3445	2019-20	Emp /Ent /Sd
41	Basic of Information Security	CS3452	2019-20	Emp /Ent /Sd

RESOLUTION: Resolved the List of Subjects that provide the List of Employability/ Entrepreneurship/Skill Development. These are appreciated and approved with the suggested changes.

8. To discuss and approve the List of Employability/ Entrepreneurship/ Skill development in Master of Technology in Computer Science and Engineering.

The Chairman and member of BoS discussed and approved the List of newly introduced subjects including Theory and Labs which provide Employability/Entrepreneurship/Skill Development as follows-



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S. No.	Name of the Course	Course Code	Year of introduction	Employability/ Entrepreneurship/ Skill development (Emp /Ent /Sd)
1	Pattern Recognition	CS4304	2019-20	Emp /Ent /Sd
2	Information System Audit	CS4305	2019-20	Emp /Ent /Sd
3	Multimedia and Graphics	CS4306	2019-20	Emp /Ent /Sd
4	Cyber Laws	CS4303	2019-20	Emp /Ent /Sd
5	Project	CS4372	2019-20	Emp /Ent /Sd
6	Research Methodology	ME4307	2019-20	Emp /Ent /Sd
7	Research Methodology Lab	ME4340	2019-20	Emp /Ent /Sd
8	Seminar-III	CS4373	2019-20	Emp/Sd
9	Dissertation	CS4471	2019-20	Emp /Ent /Sd

RESOLUTION: Resolved the list of courses introduced in session 2019-20 that provide the List of Employability/ Entrepreneurship/Skill Development

9. To discuss and approve the Value-Added Courses in Bachelor of Technology in Computer Science & Engineering,

The Chairman and the BoS members deliberated and approved the Value-Added Courses imparting transferable and life skills. External members emphasized the inclusion of Value Added Course related to new technologies are essential for engineering programs. The chairman highlighted the policy of running valued added courses (VACs) in the department.

1. Domain Specific VACs: Offered by the department for their own students to enhance their domain-based skills.

2. University Level VACs: Offered by the department for the students of other department.

The chairman informed the board that students may take Domain Specific VACs offered their parent department to enhance domain specific skills and University level VACs offered by other departments to increase interdisciplinary skill quotient.




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Dept. of Computer Science & Engineering
Quantum University, Roorkee

Board of Studies
of
Department of Mechanical Engineering
Session: 2019-20



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



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.


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Dept. of Mechanical Engineering
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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

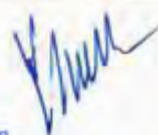



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6	Strength of Materials	ME3308	2019-20	Emp /Ent /Sd
7	Materials Science	ME3302	2019-20	Emp /Ent /Sd
8	Fluid Mechanics and Machines	ME3304	2019-20	Emp /Ent /Sd
9	Computer aided Machine Drawing	ME3307	2019-20	Emp /Ent /Sd
10	Strength of Material Lab	ME3344	2019-20	Emp /Ent /Sd
11	Material Science Lab	ME3341	2019-20	Emp /Ent /Sd
12	Fluid Mechanics and Machines Lab	ME3342	2019-20	Emp /Ent /Sd
13	Project Lab I	ME3345	2019-20	Emp /Ent /Sd
14	Communication & Professional Skills -III	VP3301	2019-20	Emp /Ent /Sd
15	Thermal Engineering	ME3306	2019-20	Emp /Ent /Sd
16	Theory of Machines	ME3402	2019-20	Emp /Ent /Sd
17	Production Technology	ME3403	2019-20	Emp /Ent /Sd
18	Electrical Machines and Control	EE3401	2019-20	Emp /Ent /Sd
19	Thermal Engineering Lab	ME3343	2019-20	Emp /Ent /Sd
20	Theory of Machines Lab	ME3441	2019-20	Emp/Sd
21	Production Technology Lab	ME3442	2019-20	Emp /Ent /Sd
22	Project Lab II	ME3445	2019-20	Emp /Ent /Sd
23	Employability Skills - I (Numerical Abilities)	VP3401	2019-20	Emp /Ent /Sd



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RESOLUTION

The chairman and the BOS members deliberated and approved the program and course content list having contribution towards Employability/ Entrepreneurship/Skill Development in program of Bachelor of Technology in Mechanical Engineering.

Item No. 9: To discuss and approve the List of Employability/ Entrepreneurship/ Skill development in Master of Technology in Thermal Engineering.

The Chairman and member of BoS discussed and approved the List of newly introduced subjects including Theory and Labs which provide Employability/Entrepreneurship/Skill Development as follows-

1	Alternative fuels for IC Engines	ME4301	2019-20	Emp /Sd
2	Solar Energy Technology	ME4302	2019-20	Emp /Ent /Sd
3	Nuclear Engineering	ME4304	2019-20	Emp /Sd
4	Energy Storage Technologies	ME4303	2019-20	Emp /Ent /Sd
5	Energy Management in thermal systems	ME4305	2019-20	Emp /Ent /Sd
6	Air-Conditioning System Design	ME4309	2019-20	Emp /Ent /Sd
7	Research Methodology	ME4307	2019-20	Emp /Ent /Sd
8	Research Methodology Lab	ME4340	2019-20	Emp /Ent /Sd
9	Dissertation	ME4470	2019-20	Emp /Ent /Sd
10	Seminar-III	ME4370	2019-20	Sd




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11	Project	ME4371	2019-20	Emp /Ent /Sd
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RESOLUTION: Resolved the list of courses introduced in session 2019-20 that provide the List of Employability/ Entrepreneurship/Skill Development

Item No. 10: To discuss and approve the Value-Added Courses in Bachelor of Technology in Mechanical Engineering.

The Chairman and the BoS members deliberated and approved the Value-Added Courses imparting transferable and life skills. External members emphasized the inclusion of Value Added Course related to new technologies are essential for engineering programs. The chairman highlighted the policy of running valued added courses (VACs) in the department.

1. Domain Specific VACs: Offered by the department for their own students to enhance their domain-based skills.

2. University Level VACs: Offered by the department for the students of other department.

The chairman informed the board that students may take Domain Specific VACs offered their parent department to enhance domain specific skills and University level VACs offered by other departments to increase interdisciplinary skill quotient.

The members identified the list courses in both categories. The Syllabus was prepared along with the course outcome and duration as follows.

Quantum University, Roorkee			
Quantum School of Technology			
Department of Mechanical Engineering			
University Level Value Added Courses (Batch 2019-23)			
S. No.	Name of the Value Added Courses (with 30 or more contact)offered	Year of offering	Duration of course (Hrs)
1	Introduction to Robotics	2019-2020	30 Hours
2	Robotics & Control	2019-2020	30 Hours
3	Robot Simulation	2019-2020	30 Hours
Domain Specific Value Added Courses (Batch 2019-23)			
S. No.	Name of the Value Added Courses (with 30 or more contact)offered	Year of offering	Duration of course (Hrs)
1	Certification in Engine and its Assembly-Disassembly	2019-2020	30 Hours
2	Certification in Industrial Automation	2019-2020	30 Hours
3	Certification in Entrepreneurship Awareness	2019-2020	34 Hours



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



Board of Studies

(2019-20)

Department of Civil Engineering

Quantum School of Technology
Quantum University, Roorkee




HEAD OF DEPARTMENT
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




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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



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5	Basic of surveying	CE3303	Em/En/Sd
6	Building Technology	CE3304	En/Sd
7	Construction Equipment's	CE3305	En/Sd
8	Hydraulic and Hydraulic Machines Lab	CE3340	En/Sd
9	Solid Mechanics Lab	CE3341	En/Sd
10	Basics of Surveying Lab	CE3342	En/Sd
11	Building Technology Lab	CE3343	En/Sd
11	Project Lab I	CE3344	Em/En/Sd
12	Design of RC Elements	CE3401	En/Sd
13	Concrete Technology and Non Destructive Testing	CE3402	En/Sd
14	Structural Analysis	CE3403	En/Sd
15	Advance Survey	CE3404	En/Sd
16	Concrete Technology and Non Destructive Testing lab	CE3440	En/Sd
17	Structural Analysis lab	CE3441	En/Sd
18	Advance Survey lab	CE3442	En/Sd
19	Project lab II	CE3444	Em/En/Sd

Resolution: The list of courses (New Introduced courses) aimed at enhancing employability, fostering entrepreneurship, and developing skills within the Bachelor of Technology in Civil Engineering program's curriculum received unanimous approval from the Board.

7. To discuss and approve initiatives focused on improving employability and skills within the Master of Technology program in Structural Engineering.



The Board of Studies (BOS) conducted discussions and granted approval for the compilation of new introduced courses, encompassing both theory and lab components, with a focus on enhancing employability, promoting entrepreneurship, and advancing skill development within the curriculum of the Master of Technology in Structural Engineering program for the academic year 2019-20.

List of Courses (Newly Introduced in 19-20) Focus on Employability/ Entrepreneurship/ Skill Development in Master of Technology in Structural Engineering

S. No.	Name of the Course	Course Code	Employability/Entrepreneurship/Skill development (Em/En/Sd)
1	Safety of Structures	CE4301	Em/En/Sd
2	Soil Structure Interaction	CE4302	Em/En/Sd
3	Environment Impact Assessment	CE4303	Em/En/Sd
4	Seminar	CE4270	Em/En/Sd
5	Finite Element Analysis	CE4105	Em/En/Sd
6	Concept of Ductile Detailing	CE4106	Em/En/Sd
7	Construction Machinery and Equipment's	CE4107	Em/En/Sd
8	Foundation & Steel Design Lab	CE4340	Em/Sd
9	Advance Foundation Engineering	CE4305	Em/En/Sd
10	Computer Application in Design	CE4306	Em/En/Sd
11	Advanced Concrete Technology	CE4307	Em/En/Sd



12	Earthquake Engineering	CE4308	Em/En/Sd
13	Plastic Analysis	CE4309	Em/En/Sd
14	Research Methodology	ME4307	Em/En/Sd
15	Project	CE4370	Em/En/Sd
16	Seminar	CE4371	Em/En/Sd

Resolution: The list of courses (*Newly introduced*) aimed at enhancing employability, fostering entrepreneurship, and developing skills within the Master of Technology in Structural Engineering program's curriculum received unanimous approval from the Board.

8. To discuss and approve additional value added courses for the Bachelor of Technology program in civil engineering

The BOS considered the list and syllabus and course outcome of value added courses (*Domain Specific*) for the Bachelor of Technology in Civil Engineering program as follows:

List of the Value Added Courses

S. No.	Semester	Name of the Value Added Courses (with 30 or more contact)offered	Year of Offering	Duration of Course (Hrs)
1	III	Certification in Auto CAD	2019-2020	30
2	IV	Certificate in Revit Arch	2019-2020	30
3	IV	Certification in Estimation in MS Excel	2019-2020	30

Resolution: The Board of Studies (BOS) resolves to convene a discussion to review and approve additional value-added courses for the Bachelor of Technology program in Civil Engineering, recognizing the importance of enhancing the educational experience and ensuring the program's relevance to industry and student needs.




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

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




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RESOLUTION: 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 Computer Applications for session 2019-2020. (BOS-QST-DCA-2019-Annexure-I) for the further approval of the Academic Council.

4.To discuss and approve the list of employability/entrepreneurship/skill development

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 is 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




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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
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



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16	Web Technology Lab	CA3441	Em, En, SD
17	Employability Skills - I (Numerical Abilities)	VP3401	Em, En, SD
18	Artificial Intelligence and Expert Systems	CA4301	Em, En, SD
19	Linux administration and Network Programming	CA4302	Em, En, SD
20	Programming in Java	CA4303	Em, En, SD
21	Software Engineering	CA4304	Em, En, SD
22	Program Elective I Data base Administration	CA4304	Em, En, SD
23	Program Elective I Network Security	CA4305	Em, En, SD
24	Linux administration and Network Programming Lab	CA4341	Em, En, SD
25	Programming in Java Lab	CA4342	Em, En, SD
26	Seminar-I	CA4371	Em,SD
27	Software Testing and quality assurance	CA4401	Em, En, SD



HEAD OF DEPARTMENT
Dept. of Computer Appli
Quantum University, Ro

28	Advanced Java	CA4402	Em, En, SD
29	Big Data and its applications	CA4403	Em, En, SD
30	Adhoc Wireless Network	CA4404	Em, En, SD
31	Cyber laws and Crimes	CA4405	Em, En, SD
32	Digital Image Processing	CA4406	Em, En, SD
33	Android Application Development	CA4404	Em, En, SD
34	Software Testing and quality assurance Lab	CA4441	Em, En, SD
35	Advanced Java Lab	CA4441	Em, En, SD
36	Seminar-II	CA4471	Em, SD

Resolution: The Board approved the list of employability/entrepreneurship/skill development Courses for the session 2019-2020

5.To discuss and approve the Value-Added Courses in Bachelor of Computer Applications.




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

Board of Studies

of

Department of Business Administration

(Dated: 30/03/2019)



Department of Business Administration

Quantum School of Business

Quantum University, Roorkee



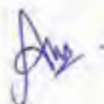
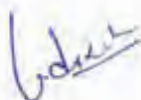
BOARD OF STUDIES
DEPARTMENT OF BUSINESS ADMINISTRATION
AGENDA

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
Dept. of Business Administration
Quantum University, Roorkee



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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3	Training Report and Viva-Voce	MB4370	Summer Internship help the students to gain a practical knowledge and also knowing how an organisation works.
4	Financial Markets and Institutions	MB4303	Students will be able to understand the working of financial institutions and their contribution in economy.
5	Risk Management and Insurance	MB4304	Understanding of risk and insurance policies in the market will help them getting opportunities in insurance companies working in different domains.
6	Financial Services	MB4305	Familiarizing with major financial institutions and various financial services offered will be the key learning to grab an opportunity in financial services sector.
7	Working Capital Management	MB4306	Calculating and handling the working capital issues in organizations will be the key learning area.
8	Security Analysis and Portfolio Management	MB4307	Getting knowledge about functioning of primary and secondary market will help students to enter in investment and portfolio world.
9	Consumer Behaviour	MB4308	Understanding the consumer behavior in different situations and the factors having an impact on decision making will be crucial learning.
10	Digital Marketing	MB4309	Learning and interpreting marketing strategies in the digital age and getting fundamental knowledge for working in an online team.
11	Marketing of Services	MB4310	Students will learn critical analysis to perceive service shortcomings in reference to ingredients to create service excellence and be able to identify critical issues related to service industry.
12	Brand Management	MB4311	Students will understand the key issues in crafting and evaluating brand strategies and to provide theories, models, and other analytic tools to make better branding decisions.
13	Integrated Marketing Communication	MB4312	Students will have an understanding of integrated marketing communications and its influences on other marketing functions and other promotional activities.
14	Industrial Psychology	MB4313	Handling different situations in organization effectively motivating the employees to achieve better results.
15	Human Resource Planning & Development	MB4314	Acquiring knowledge as to how to plan for manpower in an organization.
16	Counseling Skills for Managers	MB4316	Providing insights into handling behavioral issues at work place by developing counseling skills.
17	Industrial Relations and Labour Laws	MB4317	Acquiring knowledge regarding various labor laws. The role of various players in industrial relations.

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

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18	Technology Innovation Management	MB4318	Facilitating objective solutions in business decision making under subjective conditions using various statistical tools.
19	Service Operations Management	MB4319	Understanding the unique challenges in managing excellent service operations.
20	World Class Manufacturing	MB4320	Understanding the concept of Excellence in manufacturing – Traditional & current concepts. Concepts of benchmarking, bottleneck & best practices and Best performers
21	Materials Management	MB4321	Students will learn how material management should be considered for profitability.
22	Retail Distribution and Logistics	MB4322	Need and importance of logistics in product flow will help students to gain jobs in organizations dealing with lots of materials specifically manufacturing organizations.
23	Total Quality Management	MB4323	Quality philosophies and tools to facilitate continuous improvement and ensure customer delight will be the major employable point.
24	International Business Laws	MB4324	Understanding International laws dealing with global business will be key learning area helping the students acquiring jobs in MNCs
25	International Business Environment	MB4325	An overview of different factors that impact business at international level will be the core learning.
26	EXIM Financing and Documentation	MB4326	Various trade procedures, documents and financing involved in an international business will be the core learning areas.
27	Foreign Exchange Management and Currency Derivatives	MB4327	Foreign Exchange Market, Spot Vs Forward Markets, Exchange Rates Calculations and Currency Derivatives will be key in foreign jobs.
28	E-Business	MB4328	Understand the basis concepts related to E-business and its applicability in real situations.
29	Content Marketing	MB4329	Understanding the different strategies and tools for content marketing.
30	Mobile Marketing	MB4330	Students will be able to understand the different strategies and tools for mobile marketing.
31	Digital Marketing	MB4309	Learning and interpreting marketing strategies in the digital age and getting fundamental knowledge for working in an online team.
	IV Sem		
1	Strategic Management	MB4401	To develop strategies and action plans to achieve an organization's vision, mission, and goals

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

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2	Project and Viva-Voce	MB4470	Students will get skilled in conducting a research project for an organization.
3	Corporate Tax Planning	MB4403	Familiarizing with the principles, problems and structure of different types of business taxes in Indian and relevance of these taxes in business decisions.
4	Mergers and Acquisitions	MB4404	The students will be able to understand the significance of Corporate restructuring by using merger and acquisition techniques.
5	Financial Derivatives	MB4405	The insight of financial derivatives and its practical applications.
6	International Financial Management	MB4406	Understanding the various concepts and tools of International Financial management and applying them will be the key.
7	Retail Management	MB4407	Participants will be able to describe how the consumers' decision process affects retailers and develop a retail strategy that appeals to a specific target market.
8	International Marketing	MB4408	The students will be able to understand various marketing tools for international markets.
9	Rural Marketing	MB4409	Conceptual knowledge about rural marketing with special reference to Indian context.
10	Sales and Distribution Management	MB4410	Developing the skills in Sales management and Distribution Channel management and will be acquainted with better understanding of implementation of Sales and Channel management strategies.
11	International Human Resource Management	MB4411	The learning of international environment of business and human resource management.
12	Compensation Management	MB4412	The implications for strategic compensation and possible employer approaches to managing legally required benefits
13	Performance Management	MB4413	Delivering the different performance appraisal methods and mechanism of performance management.
14	Training and Development	MB4414	Understanding the concepts, principles and processes of training and development. Also to develop an understanding of how to assess training needs and design training programmes in an Organizational setting.
15	Operations Strategy and Control	MB4415	Essentials for implementing strategy and result of strategic decisions
16	E- Business Operations	MB4416	Students will be able to develop a thorough understanding of specific operational requirements of e businesses
17	Infrastructure Project Management	MB4417	Learning of project management principles in infrastructure business to optimize resource utilization and time optimization.
18	Supply Chain Performance Measurement	MB4418	Developing the analytical skills to measure performance of supply chain with an aim to enhance performance of supply chain

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

19	Reverse Logistics	MB4419	Learning to enable an efficient method of moving products with optimization of time and cost
20	Procurement Management	MB4420	A process-based approach to procurement. It raises students' awareness of the importance and complexity of business supply management and purchasing activities in organizations.
21	International Marketing	MB4408	The students will be able to understand various marketing tools for international markets.
22	Global Financial Markets and Instruments	MB4422	Delivering fundamental knowledge about the global financial market and strategies adopted by the financial markets.
23	International Logistics Management	MB4423	Understanding the factors determining supply chain management in international business and also costing of sea routes, air route management and by road costing.
24	Social Media Marketing	MB4424	Knowing and applying social media techniques into a marketing plan
25	Business Intelligence and Analytics	MB4425	Understanding principles of Business Intelligence and Analytics at conceptual level. To understand application areas for implementing Business Intelligence and Analytics
26	Cyber Law	MB4426	Student will be able to understand the concepts that affect the flow of information in society and the work of information professionals.
27	Search Engine Optimization Methods	MB4427	The students will learn a conceptual, analytical and technical framework of search engine optimization.

5.2 The members also presented a list of proposed courses providing Employability / Entrepreneurship / Skill Development for inclusion in the curriculum of BBA starting in 2019-20 as a part of the initiative taken to implement the vision of the department and of the University and industry demand. The internal members also informed that the list is prepared while keeping industry demand and after reviewing syllabus of other universities and consulting many subject experts from various universities.

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

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1	E-Business	BB3310	With the knowledge of this subject students will be exposed to issues of concern in the design and development of an e-commerce business and identify e-business models which helps them become Stock management executive ,Web Analyst, ecommerce Executive and Back End Executive
2	Production and Operation Management	BB3303	Provides employability as a production manager, Material manager, operation manager and Logistic manager.
3	Financial Management	BB3311	Through this course the student can have the ability of becoming financial managers, financial advisor In business world.
4	Human Resource Management	BB3305	With the knowledge of recruitment methods, Various Training module ,Counseling methods and compensation techniques student will acquire required skills to become HR Generalist, Employee Relations Manager, Employment or Placement Manager, Compensation Manager
5	Supply chain Management	BB3306	Supply chain Management is directly exposed to the students of the department of management. Further students can get the skill of becoming Inventory mangers, C & F Agents and Material Managers in various industries.(Employability/ Entrepreneurship)
6	Value Added Program - III (Communication & Professional Skills III)	VP 3301	Provides employability as Aptitude Trainer and Freelancer
7	Management Accounting	BB3401	The students will be able to take jobs of an accountant, and to apply for accountant superintendent in govt jobs
8	Research Methodology	BB3403	In the course of Research Methodology, research scholar learns skills in research methods and research techniques through which they develop the ability to perform statistical analysis of any economic data. Due to which they can be appointed to the post of Deputy Director, Research Officer, Research Assistant in the Central Government Department of Economics as well as in the Department of Economics and Statistics of the State Government. Students Can start their research consultancy and take up different projects from government and private companies.
9	International Business	BB3404	Practical case studies, Video lectures, Quiz gives insight about global trade. Which develops skills among the students and it enhance employment opportunity to the students as manager , Consultant for an international organization, Export and import management, Foreign exchange management and International logistics etc.
10	Company Law	BB3405	Knowledge of company Laws provides an opportunity in various law department, NGO, ETC. It also provides self employment as company laws practitioner in court.
11	Value Added Program IV (Employability Skills -I Numerical Abilities)	VP3401	To Equip them with the necessary skills of qualifying Competitive Exams.

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

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12	Operations Research	BB3402	The students will be able to run their businesses effectively after knowing the assignment/queuing models/ etc
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The BOS approved the list of courses including theory and Lab provides Employability / Entrepreneurship / Skill Development in MBA and BBA Curriculum being effective from 2018-19 under Quantum University.

Item No.6

To discuss and approve the Value added courses in the Department of Business Administration (Master of Business Administration, for the session 2019-20) and (Bachelor of Business Administration, for the session 2019-20).

The board discussed about the value added courses which have been offered outside the curriculum of the programs Bachelor of Business Administration and Master of Business Administration for the session 2019-20.

The Chairman informed the Board that Quantum University will offer two kinds of Value Added Courses which have been initiated and implemented successfully from session 2018-19:

1. Category One: Value-added Courses offered by other departments (interdisciplinary in nature) to the students of MBA and BBA programs with the objectivity to increase their ability to take up interdisciplinary assignments during jobs.
2. Category Two: Value added Courses offered by the parent department for their own students of MBA and BBA programs to increase their employability quotient.

The members of BOS identified the list of VACs offered to their own students and other students of other programs at Quantum University. The VACs for Session 2019-20 were appraised by the chairman. The board further approved the list of value-added courses and course contents along with course outcome that will enhance the skills of the students. It was also apprised by the chairman BOS that every year the approval of Honorable Vice-Chancellor and Director of the department has to be taken, which was appreciated by the external experts.

The lists of VACs are as follows:

BBA	List of VACs offered by the department to other departments		
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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




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

BOARD OF STUDIES

DEPARTMENT OF COMMERCE AND FINANCE

B. Com (2019-22)

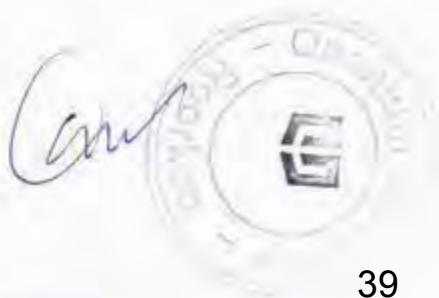
AGENDA

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

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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.	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

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






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

			costing data for planning, control & decision-making by using various costing tools	
3	Auditing	BC3303	To enable them to acquire the basic knowledge of the Auditing and to learn the techniques of preparing the Audit Report	Emp/Ent
4	Financial Management -II	BC3304	To provide the knowledge of managing the working capital in an organization.	Emp/S
5	Principle and Practice of Banking	BC3305	To give the exposure to the students of banking principles and concepts.	Emp/S/Ent
6	Communication & Professional Skills -III	VP3301	To develop the Personality of students with major emphasize on English Communication	Emp/S/Ent
7	Income Tax	BC3401	Application of principles and provisions of Income-tax Act, 1961.	Emp/S
8	Management Accounting	BC3402	Familiarize the student with the tools and skills of decision making in management accounting.	Emp/S/Ent






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

9	Company Law	BC3403	Meaning, scope and the sources of company law in India. Enhancing the level of students with reference to understanding of regulation of company.	Emp/S
10	Indian banking System	BC3405	To exposure to the students of banking principles and concepts.	Emp/S/Ent
11	Corporate Tax Planning	BC3404	To emphasize the role of tax factors in the use of management accounting techniques along with tax laws and their impact on management decisions.	Emp/S/Ent
12	NSE Certification in Financial Market-II	VP3411	Students will acquire knowledge, skills, attitudes and values required to operate ethically and responsibly in the highly regulated financial services environment.	Emp/S

These are appreciated and approved with the suggested changes and is subject to the final approval of academic council.

Item No. 6

To discuss and approve the Value Added Courses for the session 2019-20 in Bachelor of Commerce.

The chairman announced that the university has decided to offer the courses beyond the curriculum. As a policy and the vision of the university, Students should be offered the courses in interdisciplinary domains





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

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Board of Studies
of
Department of Humanities and Social Sciences



Department of Humanities and Social Sciences
Quantum School of Graduate Studies
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



7	VP	2	2	1	1	1	2	9
8	GP	1	1	1	1	1	1	6
9	Disaster Preparedness & Management*	-	2*	-	-	-	-	02*
	TOTAL	27	23	26	21	22	23	142

*Non-CGPA Audit Course

Minimum Credit Requirements:

Bachelor in Arts (Hons) in English : **142 Credit**

Item No. 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.

The board proposed and identified new courses in light of Employability/Skill enhancement/Entrepreneurship, which has been incorporated in the curriculum from session 2019-20.

List of Subjects that provides Employability/ Entrepreneurship /Skill Development.

S.No.	Subject Name	Subject Code	Activities/Content with direct bearing on Employability/ Entrepreneurship/ Skill development
1	Psychology Practical Training - I	PS3140	Develops psychometric skills and skills that are directly linked with the field of clinical psychology which includes Assessing self and others, Analyzing, Diagnosis, clinical interviewing
2	Indian Writing in English	EG3107	Student will aware towards the problems of interpreting Indian Culture via the English Language and acquaintance with the work of significant Indian writers of Poetry, Prose Fiction and Drama.
3	Psychology Practical Training - II	PS3240	Develops psychometric skills and skills that are directly linked with the field of clinical psychology which includes Assessing self and others, Analyzing, Diagnosis, clinical interviewing.
4	Theory and System of Psychology	PS3207	The course provides an introduction to the development of the various ideologies and psychological thought by prominent psychologists. Students will Understand the key concepts, principles, and theories of learning and personality.
5	Communication and Professional	VP3301	Students develop communicative skills and boost public speaking skills through this subject.

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



	Skills III (VAP-III)		
6	Introduction to Developmental Psychology	PS3304	Students will be able to evaluate how research on the lifespan is conducted using different research designs and methods, Identify the most important processes, periods and issues in development; and describe biological, cognitive and socio-emotional development in infancy, childhood, adolescence and adulthood;
7	Development Economics	EM3303	Knowledge of developmental stages of human, Issues related to each stage helps learners to apply knowledge for best of its usefulness in clinical as well as counseling profession.
8	Economics of Public Finance	EM3401	Students will develop the skills to understand about the working of government and also help in higher studies.
9	Industrial Economics	EM3403	Through this subject student will learn about the several factors helpful in industrial decisions taking and enhance their skills which can be used in industrial sector.
10	International Economics	EM3402	The basic concept of this subject will help the students to learn about the international trade and finance, in future it will be helpful in their higher education.

Item No. 7:

To discuss and approve the list of Value-Added Courses for the program Bachelors of Arts.

The board discussed the value-added courses proposed to be offered in academic session 2019-20 in the light of emerging trends and employment opportunities and approved the course as mentions

Name of Certification	Batch	Class
Certification in Communication Skills by Cambridge	2019-22	BA (H) Psychology and English-1 st year

Item No. 8:

To discuss and approve the list of courses having element of Internship, projects and on the job Training.

The Board approved the following courses which has element of field/research projects and on the job training.

Subject	Code	L	T	P	C
Project I	EM3470	3	0	0	3

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HEAD OF DEPARTMENT
of Humanities & Social Sciences
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
Dept. 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

	platforms like Coursera, NPTEL, IBM etc.	
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Item No 3

The Chairman and members of BOS discussed and approved the list of subjects including Theory / Lab that provide the employability and skill development and these subjects will be finalized after the approval of Academic council 2019-20

Resolution

UNANIMOUSLY RESOLVED the list of subjects that provide the employability and skill development.

These 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/2019/1)

Item No. 4

6.To discuss and approve the Value Added Courses imparting transferable and life skills.

The board discuss about value added courses imparting transferable and life skills. The board discuss about value added courses (Domain Specific) which are optional and offered outside the curriculum of the program.



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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

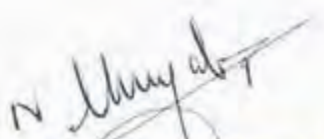
**BOARD OF STUDIES IN THE
DEPARTMENT OF AGRICULTURE STUDIES
AGENDA**

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



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

4.	Fundamentals of Soil Science	AG3308	Em, En, SD
5.	Agricultural Marketing Trade and Finance and Co-Operation	AG3309	Em, En, SD
6.	Farm Machinery and Power	AG3310	Em, En, SD
7.	Principles of Organic Farming	AG3312	Em, En, SD
8.	Introduction to Forestry	AG3313	Em, SD
9.	Food Safety and Standards	AG3316	Em, En, SD
10.	Agrochemicals	AG3317	Em, En
11.	Commercial Plant Breeding	AG3318	Em, En, SD
12.	Landscaping	AG3319	Em, En, SD
13.	Environmental Studies Lab	CY3355	Em, En, SD
14.	Crop Production Technology and Crop Improvement-I (Kharif crops) Lab	AG3340	Em, En, SD
15.	Fundamentals of Plant Pathology Lab	AG3341	Em, En, SD
16.	Fundamentals of Soil Science Lab	AG3342	Em, En, SD
17.	Agricultural Marketing Trade and Finance and Co-Operation Lab	AG3343	Em, En, SD
18.	Farm Machinery and Power Lab	AG3344	Em, En, SD
19.	Principles of Organic Farming Lab.	AG3350	Em, En, SD
20.	Introduction to Forestry Lab	AG3351	Em, SD

Rohde P. V. Verma
RPS



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R. Kumar
C. S. S. S.

21.	Food Safety and Standards Lab	AG3345	Em, En
22.	Agrochemicals Lab	AG3346	Em, En, SD
23.	Commercial Plant Breeding Lab	AG3347	Em, En, SD
24.	Landscaping Lab	AG3348	Em, En, SD
25.	Crop Production Technology and Crop Improvement-II (Rabi crops)	AG3406	Em, En, SD
26.	Management of Beneficial Insects	AG3407	Em, En, SD
27.	Production Technology for Fruit and Plantation Crops	AG3408	Em, En, SD
28.	Manures, Fertilizers and Soil Fertility Management	AG3409	Em, En, SD
29.	Principles of Food Science and Nutrition	AG3410	Em, En, SD
30.	Fundamentals of Horticulture	AG3411	Em, En, SD
31.	Livestock and Poultry Management	AG3413	Em, En, SD
32.	Biopesticides and Biofertilizers	AG3416	Em, En, SD
33.	Agribusiness Management	AG3417	Em, En, SD
34.	Protected Cultivation	AG3418	Em, En, SD
35.	Crop Production Technology and Crop Improvement-II (Rabi crops) Lab	AG3440	Em, En, SD
36.	Management of Beneficial Insects Lab	AG3441	Em, En, SD

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Dept. of Agriculture Studies
Quantum University, Roorkee

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37.	Production Technology for Fruit and Plantation Crops Lab	AG3442	Em, En, SD
38.	Manures, Fertilizers and Soil Fertility Management Lab	AG3443	Em, En, SD
39.	Fundamentals of Horticulture Lab	AG3444	Em, En, SD
40.	Livestock and Poultry Management Lab	AG3449	Em, En, SD
41.	Biopesticides and Biofertilizers Lab	AG3445	Em, En, SD
42.	Agribusiness Management Lab	AG3446	Em, En, SD
43.	Protected Cultivation Lab	AG3447	Em, En, SD
44.	Project- Mushroom Cultivation	AG3470	Em, En, SD

Resolution Item No. 6

The Board approved the list of employability/entrepreneurship/skill development Courses for the session 2019-2020

Item No. 7 To discuss and approve the list of professional ethics, human values, environment and sustainability

The Board discussed the scheme and syllabus of B.Sc. (Hons) Agriculture program and observed that ICAR has emphasized on adding the courses which may not be directly linked with one's discipline of study but contribute to sensitizing students to cross-cutting issues relevant to the current and pressing concerns both nationally and internationally, such as gender, environment and sustainability, human values, professional ethics, and development of creative and divergent competencies. The extended the previously approved list by adding new courses

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Quantum University Roorkee
Head of Department
Dept. of Agriculture Studies
Quantum University Roorkee
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Board of Studies

Department of Media Studies & Design



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 6

To discuss and approve the list of employability /entrepreneurship/skill development for the program BA (H) JMC.

The board resolved the list of courses for the Program BA(H) JMC that provide the employability /entrepreneurship/skill development these are appreciated and approved with the suggested changes and is subject to final approval academic council.

Subject Name	Subject Code	Particulars
Digital Advancement in Journalism I	JM3305	Subject will provide the knowledge for new media platforms with uses of digital up gradation. Subject will also be learned the lots of technical skills.
Radio Production and Lab	JM3304	Subject will provide the training about radio program productions.
Specialized reporting and Feature writing	JM3307	Subjects will provide the process of News gathering and formatting from different types of beats.
Photo Journalism	JM3013	Subject will provide the knowledge of techniques of photo capturing and using on right place with right captions.
PR-Advertisement	JM3014	Subject will provide the emerging field of Public relation profession
Video Editing	VP3315	Provide the techniques of video editing and skill
Cinematography	JM3403	Provide the techniques of visual aesthetics editing and skill

The board resolved to approve the list of subjects that provide the employability /entrepreneurship/skill development subject to final approval from the academic council.

Sach. Hnd. Adish
Rohan. Amrit Ho. Harkup. Gaurav. Rajeev
HEAD OF DEPARTMENT
Dept. of Media Studies
Quantum University, Koorkee

Item no-7

To discuss and approve the list of employability /entrepreneurship/skill development for the program B.Sc. Animation & VFX.

The board resolved the list of courses for the Program B.Sc. Animation & VFX that provide the employability /entrepreneurship/skill development these are appreciated and approved with the suggested changes and is subject to final approval academic council.

Subject Name	Subject Code	Particulars
Basic of Sketching and Drawings	AN3101	Subject will provide the basic knowledge of Drawing and sketching
Introduction to Graphic designing	AN3103	Subject will provide the knowledge of creative sense of designing
Fundamental of Photography	VP3314	This subject will trained the students to visual grammar and visual aesthesis sense
Film Production	AN3202	Will provide the skill of related of film making



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

Sach. Hnd
Rohan. Amit
Aditi
Hardeep
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 DEPARTMENT
Dept. of Paramedical Sciences
Quantum University, Roorkee



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

UNANIMOUSLY RESOLVED to approve the above proposed curriculum of **Bachelor of Pharmacy** course based on CBCS to be offered for 2022 onwards enrolled students subject to the final approval of Academic Council. (Annexure-2)

Item No. 5
[No.: BOS/QSHS/DP/2019/5]

The Chairmen and the BOS members discuss and approved the list of subjects including theory and lab that provide the employability/ entrepreneurship/ skill development and these subjects will be finalized after the approval of academic council.

Resolution: Item no 5
[No.: BOS/QSHS/DP/2019/5]

UNANIMOUSLY RESOLVED THAT the list of subjects that provide the employability/ entrepreneurship/ skill development. These are appreciated and approved with the suggestive changes and is subject to the final approval of academic council. (Annexure-3)

Item No. 6
[No.: BOS/QSHS/DP/2019/6]

The Chairmen and the BOS members approved the academic activity for providing more Academic/Industrial exposure to students for the session 2019-20.

Resolution: Item no 6
[No.: BOS/QSPS/DP/2019/6]

UNANIMOUSLY RESOLVED THAT the Academic Activity would arrange to impart best knowledge of students.

As per PCI Syllabus for D.Pharm.

Field Visits: The purpose of field visits is to provide the real-world experience to the students. The field visits will help them to realize that what they learn within the walls of the classroom / laboratory can help them solve the problems they see in the world around them. Also, this is helpful to the teachers to widen their horizons of knowledge and broadening the scope of the syllabus. Every student shall submit a report describing their objectives, experience, learning points, etc. pertaining to the field trip in the typical format given in Annexure -4.

As per PCI Syllabus for B.Pharm

Industrial training (Desirable)

Every candidate shall be required to work for at least 150 hours spread over four weeks in a Pharmaceutical Industry/Hospital. It includes Production unit, Quality Control department, Quality Assurance department, Analytical laboratory, Chemical manufacturing unit, Pharmaceutical R&D, Hospital (Clinical



HEAD OF DEPARTMENT
Dept. of Pharmacy
Quantum University, Roorkee

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



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


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Dept. of Hospitality and Tourism
Quantum University, Roorkee





	Hospitality			resource in hospitality industry
5	Introduction to Indian Cuisine Lab	HM3340	2019-20	To impart practical skill about Indian Cuisine.
6	Bar Management Lab	HM3341	2019-20	To impart skills related to creating different beverages
7	Laundry Management Lab	HM3342	2019-20	To develop skills for operating a laundry
8	English Communication	VP3313	2019-20	The module is designed to give basic knowledge about professionally using English communication
9	Food Production-III	HM3401	2019-20	To impart advanced knowledge in Food Production area
10	Food & Beverage Service-III	HM3402	2019-20	To impart advanced knowledge in Food & Beverage Service area
11	Front Office-III	HM3403	2019-20	To provide information about Front Office at advance level
12	Housekeeping-III	HM3404	2019-20	To provide information about Housekeeping at advance level
13	Research Methodology	HM3405	2019-20	To provide deep knowledge about different research methods to overcome for any problem related to operations in hotels
14	Environmental Studies	CY3205	2019-20	To impart basic knowledge about environment so that any activity should not harm our environment
Program Elective				


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





15	Garde Manger	HM3406	2019-20	To impart knowledge about cold meat preparation
16	Hospital Catering	HM3407	2019-20	To provide knowledge for managing catering operations in hospitals
17	Concierge	HM3408	2019-20	To impart knowledge about handling all possible guest problems inside and outside of the hotels
18	Housekeeping Mall & Amusement Park	HM3409	2019-20	To develop knowledge for managing Housekeeping Mall & Amusement Park
19	Food Production-III Lab	HM3440	2019-20	To develop skills for Food Production required for industry
20	Food & Beverage service-III Lab	HM3441	2019-20	To develop skills for Food & Beverage service required for industry
21	Front Office-III Lab	HM3442	2019-20	To develop skills for Front Office required for industry
22	Housekeeping-III Lab	HM3443	2019-20	To develop skills for Housekeeping required for industry
23	Hotel & Hospitality Communication-I	VP3413	2019-20	To provide deep knowledge for managing all sorts of communication in Hotel and Hospitality Industry

The list of courses (New Introduced courses) aimed at enhancing employability, fostering entrepreneurship, and developing skills within the Bachelor of Hotel management program's curriculum received unanimous approval from the Board.

6. To discuss and approve additional value added courses for the Bachelor of Hotel management program



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Dept. of Hospitality and Tourism
Quantum University, Roorkee