

# **QUANTUM UNIVERSITY ROORKEE**



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



Registrar  
Quantum University

***Session (2022-23)***

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Quantum University

# Board of Studies

Department of Computer Science & Engineering

Session- 2022-23



Quantum School of Technology

Quantum University, Roorkee

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



## **BOARD OF STUDIES IN THE Department of Computer Science & Engineering**

### **AGENDA**

**Date:-10-05-2022**

The 5<sup>th</sup> meeting of the Board of Studies in the Department of Computer Science & Engineering for the year 2022-23, will be held on **14-05-2022 at 11:00 A.M.** in Department of Computer Science & Engineering, Quantum University, Roorkee.

**The following agenda will be discussed in the meeting:**

1. Confirmation of the minutes for 4<sup>th</sup> BoS (Board of Studies) meeting held on 9-08-2021 at 11.00 AM in the Department of Computer Science & Engineering.
2. To report the action taken on the various decisions taken by the BOS in its 4<sup>th</sup> BOS meeting held on 9-08-2021.
3. Review and discussion on the feedback provided by students and faculty members on the courses for Bachelor of Technology in Computer Science & Engineering and its specializations in 2021-22
4. Review and discussion on the feedback provided by students and faculty members of the courses for Master of Technology in Computer Science and Engineering.
5. To discuss and approve the introduction of new Courses in Syllabus Bachelor of Technology in Computer Science & Engineering for the session 2022-2023.
6. To discuss and approve the introduction of new Courses in Syllabus Master of Technology in Computer Science & Engineering for the session 2022-2023.
7. To discuss and approve the list of employability/entrepreneurship/skill development Courses in Bachelor of Technology in Computer Science & Engineering & Master of Technology in Computer Science & Engineering for the session 2022-2023 in addition to the curriculum 2018-2022.
8. To Consider and approve the panel of examiners for theory and practical examination
9. Any other matter with the permission of Chair



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

**6.To discuss and approve the introduction of new Courses in Syllabus Master of Technology in Computer Science & Engineering for the session 2022-2023.**

The board went through the list of newly introduced Courses for Master of Technology in Computer Science & Engineering for session 2022-23 as modified in Agenda item 4. The chairperson appraised the Board that the list is prepared according to the guidelines issued by UGC. The list of newly introduced Courses is as follow:

Name of Programme	Name of the courses offered under each program
Master of Technology in Computer Science and Engineering	Software Process & Management
Master of Technology in Computer Science and Engineering	Neural Networks

**RESOLUTION:**

After deliberation on Local, National and Global issues stated in POs, PSOs and PEOs, the board has approved the list of New Introduced Courses for the session 2022-23.

**7. To discuss and approve the list of employability/entrepreneurship/skill development Courses in Bachelor of Technology in Computer Science & Engineering & Master of Technology in Computer Science & Engineering for the session 2022-2023 in addition to the curriculum 2018-2022.**

The board went through the scheme and 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 Committee after thorough discussion finalized the list of employability/entrepreneurship/skill development Courses scheduled to be introduced in the session 2022-2023 in addition to the curriculum of Bachelor of Technology in Computer Science & Engineering. The approved lists of the courses are as follow:



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S. N.	Name of the New courses introduced	Course code	Content with direct bearing on Employability/ Entrepreneurship/ Skill development (Em, En, SD)
1	Engineering Mathematics I	MA3105	Em, En, SD
2	Programming with C for problem solving	CS3111	Em, En, SD
3	Digital Electronics & Logic Design	CS3112	Em, En, SD
4	English for Engineers	EG3105	Em, En, SD
5	Digital Electronics & Logic Design Lab	CS3143	Em, En, SD
6	Programming with C for problem solving Lab	CS3149	Em, En, SD
7	Engineering Mathematics – II	MA3206	Em, En, SD
8	Engineering Chemistry	CY3208	Em, En, SD
9	Computer Fundamentals & Organization	CS3206	Em, En, SD
11	English – II	EG3206	Em, SD
12	Data Structures using C	CS3207	Em, En, SD
13	Design and Analysis of Algorithms	CS3208	Em, En, SD
14	Disaster Preparedness & Management	CE3102	Em, SD
15	Engineering Chemistry Lab	CY3248	Em, En, SD
16	Design & Analysis of Algorithms Lab	CS3247	Em, En, SD
17	Data Structures using C Lab	CS3246	Em, En, SD
18	Introduction to AI, Data Science, Ethics and Foundation of Data Analysis	CS3223	Em, En, SD
19	Data Analysis using Python, Numpy, Pandas MatPlot Lib, Seaborn Lab	CS3224	Em, En, SD
20	R Programming for Data Science and Data Analysis	CS3424	Em, En, SD
21	Software Process & Management	CS4215	Em, En, SD
22	Neural Networks	CS4216	Em, En, SD



  
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**RESOLUTION:**

The Board approved the list of employability/entrepreneurship/skill development Courses for the session 2022-2023.

**8.To Consider and approve the panel of examiners for theory and practical examination**

The Board went through the agenda and see the list of panel of examiners for theory and practical examination for the session 2022-2023 comprising the name of at least three examiners per course (BOS/QST/DCSE/2022/Annexure-III). The Board approved the list of panel of examiners for theory and practical examination for the session 2022-23. Further, the Board authorized the Dean to nominate any other examiner in case the examiners are not available with the approval of the honorable Vice Chancellor.

**9.Any other matter with the permission of Chair**

The External Experts and Chairperson of BOS appraised the Board that to revise the curriculum of Bachelor of Technology in Computer Science & Engineering & Master of Technology in Computer Science & Engineering as per the guidelines of New Education Policy, 2020. The Department also advised to go through the guidelines of NEP-2020



  
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**Board of Studies**

**of**

**Department of Mechanical Engineering**

**Session: 2022-23**



**Department of Mechanical Engineering**

**Quantum School of Technology**

**Quantum University, Roorkee**



## **BOARD OF STUDIES OF THE DEPARTMENT OF MECHANICAL ENGINEERING**

### **AGENDA**


***Date:-10.05.2022***

The meeting of the Board of Studies in Department of Mechanical engineering for the year 2022-23, will be held on 14.05.2022 & 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 for 4<sup>th</sup> BOS held on 28.07.2021 for department of mechanical engineering.
2. To consider and approve the Action taken report of various decisions taken by the 4<sup>th</sup> BoS 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 along with its syllabus, into the Bachelor of Technology program in Mechanical Engineering in 2022-23
5. To discuss and approve of the incorporation of a new introduced courses along with its syllabus, into the Master of Technology program in Thermal Engineering in 2022-23
6. To discuss and approve initiatives focused on improving employability and skills within the Bachelor of Technology program in Mechanical Engineering
7. To discuss and approve initiatives focused on improving employability and skills within the Master of Technology program in Thermal Engineering
8. To discuss and approve additional value added courses for the Bachelor of Technology program in Mechanical engineering
9. To discuss and approve proposed curriculum and syllabus revisions for the Bachelor of Technology program, effective from the academic session 2022-23
10. To discuss and approve proposed curriculum and syllabus revisions for the Master of Technology in Thermal Engineering program, effective from the academic session 2022-23
11. To Consider and approve the panel of examiners for theory and practical examination

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

  
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Dept. of Mechanical Engineering  
Quantum University, Roorkee



**Item No 5:** To discuss and approve of the incorporation of a new introduced courses along with its syllabus, into the Master of Technology program in Thermal Engineering in 2022-23

the Chairman deliberated the new courses proposed as in 2022-23 to enhance the program to meet the latest trends and with advanced topics. BOS members also provided suggestions for the improvement of overall program.

### Name of the New Courses Introduced in 2022-23(M.TECH)

S. N.	Name of the New courses introduced	Course code	Year of Introduction
1	Advanced Thermal Engineering	ME4109	2022
2	Steam Engineering	ME4110	2022
3	Research ethics and IPR	ME4212	2022
4	Numerical Solution of Partial Differential Equations	ME4213	2022
5	New Venture Creation	ME4211	2022
6	Modelling of IC Engine	ME4310	2022

**Unanimously Resolved** that the necessary suggestions in delivery of the courses be taken and accepted not to propose any new courses of Master of Technology in Thermal Engineering and Syllabus for entry batch 2021 will be same as that for 2019 batch.

**Item No. 6:** To discuss and approve the list of the courses (introduced in 2022-23) 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 2020-21 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	Engineering Graphics and Design	ME3142	2022	Emp /Ent /Sd
2	Fundamentals of Mechanical and Mechatronics	ME3103	2022	Emp /Sd



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	Engineering			
3	Manufacturing Science I	ME3410	2022	Emp /Ent /Sd
4	Manufacturing Science I Lab	ME3447	2022	Emp /Ent /Sd
5	Manufacturing Science II	ME3510	2022	Emp /Ent /Sd
6	Manufacturing Science II Lab	ME3547	2022	Emp /Ent /Sd
7	Industrial Engineering and Management	ME3515/ ME3715	2022	Emp /Sd
8	Entrepreneurship and startup	ME3610	2022	Emp /Ent /Sd
9	Industrial Inspection and Quality Control	ME3612	2022	Emp /Ent /Sd
10	Power Plant Engineering	ME3611	2022	Emp
11	Industrial Automation Lab	ME3648	2022	Emp /Ent /Sd
12	Engineering Economics and Project Management	ME3716	2022	Emp /Ent /Sd
13	Microprocessors in Automation	MT3819	2022	Emp /Ent /Sd
14	Quality Engineering Lab	ME3748	2022	Emp /Ent /Sd
15	Non-Conventional Energy Resources	ME3815	2022	Emp
16	Industrial Hazards and Safety	ME3817	2022	Emp /Ent /Sd



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17	Hybrid Vehicle Propulsion	ME3811	2022	Emp /Ent
18	Facility Planning and Design	ME3816	2022	Emp /Sd
19	Disaster preparedness and Management	CE3102	2022	Emp /Sd

### 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 7:** To discuss and approve initiatives focused on improving employability and skills within the Master of Technology program in Thermal Engineering

The chairman and the BOS members deliberated on the new courses introduced related to their focus on improving the employability /entrepreneurial or skill development of the students and finalized the list as below.

S. N.	Name of the New courses introduced	Course code	Year of Introduction	Activities/Content with direct bearing on Employability/ Entrepreneurship/ Skill development
1	Advanced Thermal Engineering	ME4109	2022	Emp/Sd
2	Steam Engineering	ME4110	2022	Emp /Sd
3	Research ethics and IPR	ME4212	2022	Emp/Ent/Sd
4	Numerical Solution of Partial Differential Equations	ME4213	2022	Emp
5	New Venture Creation	ME4211	2022	Emp/Ent/Sd
6	Modelling of IC Engine	ME4310	2022	Emp/Ent/Sd



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Dept. of Mechanical Engineering  
Quantum University, Roorkee



**Board of Studies**

**Department of Civil Engineering**

**Session 2022-23**

**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:-24/05/2022***

The Board of Studies meeting for the Department of Civil Engineering for the academic year 2022-23 is scheduled for May 28, 2022, at 10:00 AM. This meeting will be conducted online and hosted by the Department of Civil Engineering at Quantum University, Roorkee.

**The following agenda will be discussed in the meeting:**

1. Confirmation of the minutes for BOS held on 30/07/2021 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 2<sup>nd</sup> year 3<sup>rd</sup> and 4<sup>th</sup> Year along with its syllabus, into the Bachelor of Technology program in Civil Engineering in 2022-23
5. To discuss and approve of the incorporation of a new introduced courses in 1st year and 2<sup>nd</sup> year along with its syllabus, into the Masters of Technology program in Structural Engineering in 2022-23
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 additional value added courses for the Bachelor of Technology program in civil engineering
8. To discuss and approve proposed curriculum and syllabus revisions for the Bachelor of Technology program, effective from the academic session 2022-23.
9. To discuss and approve proposed curriculum and syllabus revisions for the Master of Technology (SE) program, effective from the academic session 2022-23

Any other matter with the permission of Chair



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

The Board deliberated on and subsequently sanctioned the inclusion of newly introduced courses, along with their respective syllabi, into the Masters of Technology program in Structural Engineering for the academic year 2022-23. These additions will be made in the 1st, and 2<sup>nd</sup> years of the program as per AICTE

#### List of New Introduced Courses

S. No.	Name of the subject	Course code	Year of introduction	Deleted subjects	Deleted subject code	Year of deletion
1	Advanced solid mechanics	CE4108	2022-23	N/A	N/A	N/A
2	Wind effect on structures	CE4215	2022-23	N/A	N/A	N/A
3	Reliability based design	CE4216	2022-23	N/A	N/A	N/A
4	Statistical methods and algorithm	CE4314	2022-23	N/A	N/A	N/A
5	Structural material	CE4315	2022-23	N/A	N/A	N/A
6	Plates and shells	CE4316	2022-23	Theory of Plates and shells	CE4210	2022

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

The BOS members engaged in a discussion and subsequently approved a list of subjects (continuing from the 2020-21 academic year) that included newly introduced courses. These courses encompass both theory and laboratory components and have been designed with the aim of enhancing employability, fostering entrepreneurship, and promoting skill development for the Bachelor of Technology in Civil Engineering program. This approval signifies that the BOS members endorsed the inclusion of these courses as part of the curriculum to achieve these specific educational objectives.



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13	Pre-Stressed Concrete	CE3710	2022-23	E, E, S
14	System Engineering & Economics	CE3711	2022-23	E, E, S
15	Urban Hydrology & Hydraulics	CE3712	2022-23	E, E, S
16	Open Channel Flow	CE3713	2022-23	E, E, S
17	Hydraulic Modelling	CE3714	2022-23	E, E, S
18	Water & Air Quality Modelling	CE3811	2022-23	E, E, S
19	Soil & Hazardous Waste Management	CE3812	2022-23	E, E
20	Air & Noise Pollution Control	CE3814	2022-23	E, S
21	Sustainable Engineering & Technology	CE3815	2022-23	E, E, S
22	Pavement material	CE3816	2022-23	E, E, S
23	Pavement design	CE3817	2022-23	E, E, S
24	Urban Transportation Planning	CE3818	2022-23	E, E, S
25	Entrepreneurship Management In Civil Engineering	CE3820	2022-23	E, E, S
26	Low Cost Housing	CE3821	2022-23	E, E, S
27	Airport & Harbor Planning	CE3822	2022-23	E, E, S



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Dept. of Civil Engg.  
Quantum University, Roorkee

**Board of Studies**

**Department of Computer Applications**

**Session: 2022-23**



**Quantum School of Technology**

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

**Board of Studies in the**  
**Department of Computer Applications**

**AGENDA**

*Date:-11-05-2022*

The meeting of the Board of Studies in Department of Computer Applications for the year 2022-23, will be held on **14-05-2022** in Board Room Quantum University, Roorkee.

The following agenda will be discussed in the meeting:

1. To confirm and approve the minutes of 4th BoS meeting held on 09/08/2021 for the Department of Computer Applications.
2. To report the action taken on the various decisions taken by the BoS in its 4th BoS meeting held on 09/08/2021
3. Review and discussion on the feedback provided by students and faculty members on the courses for Bachelor of Computer Applications in 2021-22
4. Review and discussion on the feedback provided by students and faculty members on the courses for Master of Computer Applications in 2021-22
5. To discuss and approve the introduction of new Courses in Bachelor of Computer Applications for the session 2022-2023
6. To discuss and approve the introduction of new Courses in Master of Computer Applications for the session 2022-2023
7. To discuss and approve the list of employability/entrepreneurship/skill development Courses for the session 2022-2023
8. To Consider and approve the panel of examiners for theory and practical examination
9. Any other matter with the permission of Chair



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Dept. of Computer Applications  
Quantum University, Roorkee

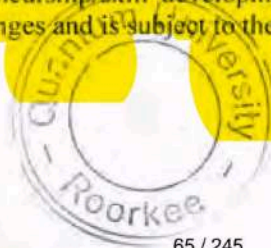
**RESOLUTION:** Board approved the list of newly introduced courses for the session 2022-2023.

**7.To discuss and approve the list of employability/entrepreneurship/skill development Courses for the session 2022-2023**

The chairman and the BOS members discussed and approved the list of subjects (including theory and labs) that provide the employability/entrepreneurship/skill development and these subjects will be finalized after the approval of academic council for the academic session 2022-23.

S. No.	Name of the Course	Course Code	Content with direct bearing on Employability/ Entrepreneurship/ Skill development (Em, En, SD)
1	Data Compression Techniques & Algorithm	CA3507	Em, En, SD
2	IT Application Security & Privacy	CA3508	Em, En, SD
3	Digital Image Processing & Analysis	CA3606	Em, En, SD
4	Introduction to Computer Vision	CA3607	Em, En, SD
5	Software Process & Management	CA4311	Em, En, SD
6	Modeling and Simulation	CA4312	Em, En, SD

**RESOLUTION:** Unanimously resolved the list of subjects that provide the employability/entrepreneurship/skill development. These are appreciated and approved with the suggested changes and is subject to the final approval of academic council.



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

**Board of Studies**  
**of**  
**Department of Business Administration**

**(Dated: 02/06/2022)**



**Department of Business Administration**  
**Quantum School of Business**  
**Quantum University, Roorkee**



**BOARD OF STUDIES**  
**DEPARTMENT OF BUSINESS ADMINISTRATION**  
**AGENDA**

*Date:-30/05/2022*

The meeting of the Board of Studies in the Department of BUSINESS ADMINISTRATION for the year 2022-23, will be held on 02/06/2022 via ONLINE MODE <https://meet.google.com/jug-srze-xju> at Quantum University, Roorkee.

**The following agenda will be discussed in the meeting:**

1. Confirmation of the minutes for BOS held on 10/07/2021 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, employees, Alumni and faculty members.
4. To discuss and approve the newly introduced Courses in 2022-23 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 & approve of the revision of syllabus of Department of Business Administration from the academic session 2022-23.
7. To Discuss & approve the courses added on ethics and human values.
8. To discuss and approve the Value Added Courses (additional training) in the Department of Business Administration (Master of Business Administration, session 2022-23) & (Bachelor of Business Administration, Batch 2022-23).
9. To get approval for the panel of external examiners for the session 2022-23.
10. Any other matter with the permission of the Chair.

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



The BOS approved the Newly Introduced in MBA and BBA programs scheduled to be run in session 2022-23 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 2022-23**

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**

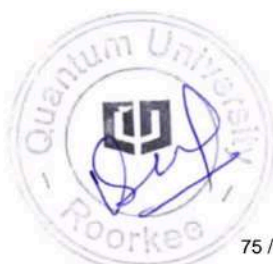
S. No.	Name of the Course	Course Code	Activities/Content with direct bearing on Employability/ Entrepreneurship/ Skill development
1	Planning and Control Operations	MB4331	Understanding the concept of Planning and control business operations also control duration and scheduling techniques in project.

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 2022-23 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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Dept. of Business Administration  
Quantum University

1	International Logistics Management	BB3313	An international logistics manager plans and/or oversees parts of a supply chain that span one or more international borders. They deal with the assembly, shipping, storage, distribution, and delivery of physical products.
2	Cross Cultural Business Management	BB3411	To enhance employability skills with reference to jobs and business at international level
3	Management of multinational corporations	BB3511	To enhance employability skills with reference to jobs and business at international level
4	Exim Financing And Documentation	BB3512	The subject knowledge would be helpful in taking export and import jobs and run business at international level.
5	Global Financial Markets And Instruments	BB3611	To enhance employability in terms of taking jobs in the financial sector
6	Foreign Exchange Management And Currency Derivatives	BB3612	The subject knowledge would be helpful in taking export and import jobs and run business at international level.
7	Foundation of AI, Data Science, BI & Data Analytics	BB3240	Student can become Artificial Intelligence Engineer, Data Scientist, Data Analyst, Product Analyst.
8	Data Analysis using Python	BB3241	Student can become Artificial Intelligence Engineer, Data Scientist, Data Analyst, Product Analyst.
9	Statistics & Computational Data Analysis	BB3340	The given subject help students to understand the concepts of Statistics, probability, probability distribution, and other statistical methods to solve various management and engineering problems
10	R Programming for Data Science and Data Analysis	BB3341	The students will be able to open their own startups with the accumulated know how of data analysis
11	Search Engine Optimization	BB3307	Through this course students will learn various online marketing techniques.
12	Data Analytics & Visualization- Tools & Techniques	BB3440	The students will be able to open their own startups and qualify job interviews with the help of acquired know how of data analysis
13	Machine Learning for Business	BB3441	The given subject help students to understand the concepts and terminologies of machine learning to solve various management and engineering problems

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14	Risk Fraud & Foundation to Marketing Analytics Social Media Analytics	BB3540	The students will be able to gain social media and marketing analytics skill to get good jobs
15	Supply Chain Analytics & HR Analytics	BB3541	To apply and excel in supply chain and HR analytics jobs and businesses

The BOS approved the list of courses including theory and Lab provides Employability / Entrepreneurship / Skill Development in MBA and BBA Curriculum being effective from 2022-23 under Quantum University.

#### Item No.6

To Discuss & approve of the revision of syllabus of Department of Business Administration from the academic session 2022-23

Prof. Pushpender Singh, HOD, Quantum School of Business briefed about the rationale the revision of syllabus of program BBA and MBA from the academic session 2022-23.

The revision of the syllabus of the programme Bachelor of Business Administration and Master of Business Administer is appreciated and approve with the suggested changes and subject to the final approval of academic council

#### **Revision carried out in BBA**

Total No. of Subjects	71 (Including all Elective)
New Subjects Introduced	15 ( $15 \times 100 = 1500$ )
No. of Subjects where Revision carried out	16 ( $16 \times 28.81 = 461$ )
No of Subjects where no revision carried out	40 ( $40 \times 0 = 0$ )
Total percentage of revision carried out	27.61



HEAD OF DEPARTMENT  
Dept. of Business Admin  
Quantum University, R

**Board of Studies**  
**of**  
**Department of Humanities & 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.) 2022-23**

#### **AGENDA**

*Date:- 03/09/2022*

The meeting of the Board of Studies in the Department of Humanities & Social Sciences for the year 2022-23, will be held on 06/09/2022 at 11:00 AM in the Board Room at Quantum University by the Department of Humanities & Social Sciences.

**The following agenda will be discussed in the meeting:**

1. Confirmation of the minutes for BOS held on 12/08/2021 for Department of Humanities and Social Sciences.
2. Action taken report
3. Discussion on the feedback received from students, faculty members, Alumni and Employers.
4. To discuss and approve the introduction of new subjects with syllabus in Bachelor of Arts (Hons) Specialization in Economics, English & Psychology
5. To discuss and approve the list of subjects related with Employability/Skill enhancement/Entrepreneurship in Bachelor of Arts (Hons) Specialization in Economics, English & Psychology
6. To discuss and approve the Value-Added Courses in Bachelor of Arts (Hons) Specialization in Economics, English & Psychology
7. To discuss and approve the programme and course content having element of field project, research project and internship.
8. To discuss and approve the list of the experts for end semester examination, project report and internship reports' evaluation.

*Agenda*  
*Nagim*  
HEAD OF DEPARTMENT  
Dept. of Humanities & Social Sciences  
Quantum University, Roorkhee



- 11 Fraud and Risk Detection  
12 Digital Economy

EM3604  
EM3603

Economics  
Economics

**Item No. 5**

To discuss and approve the list of subjects related with Employability/Skill enhancement/Entrepreneurship in Bachelor of Arts (Hons) Specialization in Economics, English & Psychology

The board approved the subjects related with employability/ Skill enhancement and Entrepreneurship in program of BA(H) specialization in Economics, English and Psychology.

S.No.	Subject Name	Subject Code	Year of Introduction	Activities/Content with direct bearing on Employability/ Entrepreneurship/ Skill development
<b>ECONOMICS</b>				
1	MS Excel theory and Lab	CS3120	2022-23	It enables students to format, organize and calculate data in a spreadsheet. Students can record and analyze numerical and statistical data.
2	Mathematical and Statistical tools for Economics	EM3105	2022-23	It helps in cultivating the analytical skills that can be used to solve complex analytical tasks based on a non-trivial statistical analysis of the underlying data.
3	Money and Banking	EM3206	2022-23	It aims to provide the students with an introduction to understand the concept of money, theories of money supply and money demand and working of monetary policy.
4	Tableau Visualization	CS3220	2022-23	It enables students to present data in creative and more informative way.
5	Data Analytics using R	CS3320	2021-22	The students will develop special skills for statistical computing, graphic and data mining.

*Nagira*

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



6	Labour Economics	EM3407	2021-22	Student will develop the skills to identify and analyze the factor important to determine labor demand and supply in the market.
7	Data Analytics using Python	CS3320	2021-22	The students will develop special skills for statistical computing, graphic and data mining.
8	Digital Economy	EM3603	2021-22	The students will study economy focusing on digital technologies. It covers all business, economic, social, cultural activities that are supported by the web and other digital communication technologies.

**Item No. 6**

To discuss and approve the Value-Added Courses in Bachelor of Arts (Hons) Specialization in Economics, English & Psychology

The board approved the list of value-added courses proposed by the department to enhance skills, knowledge, and experiences of students beyond their core academic curriculum.

S.No.	Subject Name	Batch	Objectives (Employability/ Entrepreneurship/ Skill development)
1	Creative Writing	2021-24	The certification demonstrates the ability to communicate effectively and creatively, which is a valuable skill in many fields and industries. Further it can showcase the capacity to think critically and analytically, which is essential for problem-solving and decision-making

*Signature*

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

*Monika*





# **Quantum UNIVERSITY**

ROORKEE, UTTARAKHAND

**DEPARTMENT OF SCIENCES**  
**Quantum School of Graduate Studies**  
**Quantum University**

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

**AGENDA**

*Date:-30<sup>th</sup> May 2022*

The meeting of the Board of Studies in the Department of Sciences for the year 2022-23, will be held on 2<sup>nd</sup> June 2022, 9:30 AM onwards in Physics Lab for Bachelor of Sciences (Hons) programme, Quantum University, Roorkee

The following agenda will be discussed in the meeting:

- Item No 1. Confirmation of the minutes for BOS held on 28<sup>th</sup> July 2021 for Department of Sciences curriculum.
- 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 of Bachelor of Science (Hons) Programme
- Item No 5. Discussion on the feedback received from students, faculty members, alumni and employers.
- Item No 6. To discuss and approve the introduction of new introduced Subject with Syllabus of Bachelor of Science (Hons) Programme.
- Item No 7. To Discuss & approve the proposed revised curriculum of syllabus of program Bachelor of Science (Hons) specialisation in Physics, specialisation in Chemistry & specialisation in Mathematics from the academic session 2022-23.
- Item No 8. To discuss and approve the program and course content having element of field projects / Research project / Internships.



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HEAD OF DEPARTMENT  
Dept. of Sciences  
Quantum University, Roorkee

	science students For Depth knowledge of the subject.	
<b>Communication Skills</b>	Online Group discussion & resume building training needed for sciences students. Students must be giving presentations on any topic in every individual course given by faculties.	Conducted & Presentations assigned on different topics to the students
<b>Training for Placements</b>	For grooming the personality of the students required two or three-week online training programs should be organised on Technical Skills. Industrial Seminars & Workshops should be organised.	Scheduled, arranged & organised.
<b>Learning with virtual lab</b>	Use of virtual lab related to the courses. Tying up with learning virtual lab platforms like Coursera, NPTEL, IBM etc.	Implemented
<b>Conduction of VAC</b>	Value Added Courses are needed for the students to improving the hands on skills of the students.	Implemented and arranged
<b>MOUs with Industry</b>	More focus required for tie up with the industry or research institutes to get exposure for the students and faculties.	MOU done with Wadia Institute of Himalayan Geology (WIHG), Dehradun
<b>Implementation of Superspeciality group (SSG)</b>	Super Speciality Group (SSG) have been suggested for the monitoring of the quality of the different academic activities at the department level.	Implemented

**Item No 3**



HEAD OF DEPARTMENT  
Dept. of Sciences  
Quantum University, Roorkee

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 2022-23.

### 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/2022/1)

#### Item No. 4

4.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.

### RESOLUTION

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

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	Advance Excel Training	Department of Sciences	Skill development	Interdisciplinary department level course	2022	30
2	Bachelor of Sciences (Hons) PCM	III	Advance Excel Training	Department of Sciences	Skill development	Interdisciplinary department level course	2022	30
3	Bachelor of Sciences (Hons) PCM	V	Advance Excel Training	Department of Sciences	Skill development	Interdisciplinary department level course	2022	30
4	Bachelor of Sciences (Hons) PCM	IV	Scientific Computing using Matlab	Department of Sciences	Skill development	Interdisciplinary department level course	2022	30
5	Bachelor of Sciences (Hons) PCM	VI	Scientific Computing using Matlab	Department of Sciences	Skill development	Interdisciplinary department level course	2022	30



*[Signature]*  
HEAD OF DEPARTMENT  
Dept. of Sciences  
Quantum University, Roorkee

# **BOARD OF STUDIES**

**Department of Agricultural Studies**

**Session: 2022-23**



**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:-28/05/2022*

The 5<sup>th</sup> Board of Studies meeting of the Department of Agriculture Studies for the year 2022-23, will be held on **31/05/2022 at 11.30 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 4<sup>th</sup> BOS meeting held on 30/07/2021 for the Department of Agriculture Studies.
2. To report the action taken on the various decisions taken by the BOS in its 4<sup>th</sup> BOS meeting held on 30/07/2021
3. Review and discussion on the feedback provided by students and faculty members on the courses for B.Sc. (Hons) Agriculture Programs in 2021-22
4. To address the regional issues of Agriculture native to the State of Uttarakhand in the Curriculum for B.Sc. (Hons) Agriculture Program
5. To discuss and approve the introduction of new Courses in Bachelor of Science (Hons) in Agriculture for the session 2022-2023
6. To discuss and approve the list of employability/entrepreneurship/skill development Courses for the session 2022-2023
7. To discuss and approve the Value Added Courses in Bachelor of Science (Hons) in Agriculture Programme
8. To Consider and approve the panel of examiners for theory and practical examination
9. Any other matter with the permission of Chair

  
*Dr. Gaurav Aggarwal.*

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



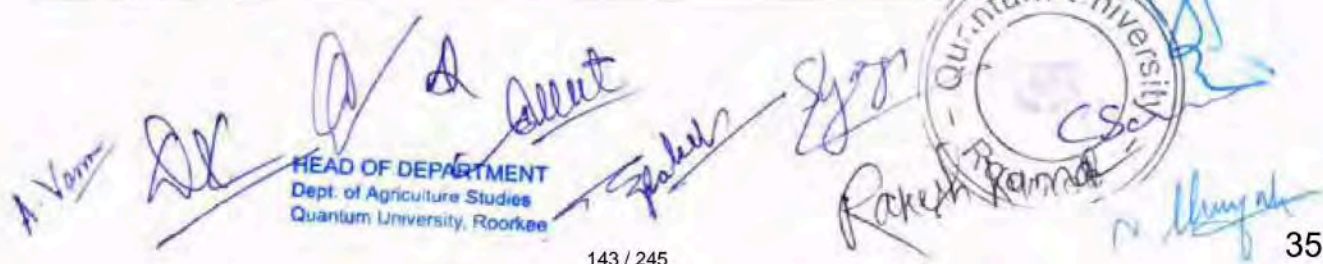
6	Soil , Plant, Water and seed testing	AG3512	2022
7	Soil , Plant, Water and seed testing Lab	AG3551	2022
8	Agriculture Waste Management	AG3613	2022
9	Agriculture Waste Management Lab	AG3652	2022

After deliberation on the different curriculum of B.Sc. (Hons) Agriculture Program followed by Various State Agriculture Universities, Board approved the list of newly introduced courses for the session 2022-2023.

**Item No. 6 To discuss and approve the list of employability/entrepreneurship/skill development Courses for the session 2022-2023 in addition to the previously approved curriculum for B.Sc. (Hons) Agriculture program**

The board went through the scheme and 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 Committee after thorough discussion finalized the list of employability/entrepreneurship/skill development Courses scheduled to be introduced in the session 2022-2023 in addition to the previously approved curriculum of B.Sc. (Hons) Agriculture program . The approved list of the courses are as follow:

S. N.	Name of the New courses introduced	Course code	Content with direct bearing on Employability/ Entrepreneurship/ Skill development (Em, En, SD)
1	Agriculture Finance & Cooperation	AG3302	Em, En, SD
2	Crop Improvement – I (Kharif)	AG3502	Em, En, SD
3	Crop Improvement – I (kharif crops) Lab	AG3541	Em, En, SD
4	Crop Improvement – II (Rabi crop)	AG3607	Em, En, SD
5	Crop Improvement – II (Rabi crops) Lab	AG3646	Em, En, SD
6	Soil , Plant, Water and seed testing	AG3512	Em, En, SD


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

7	Soil, Plant, Water and seed testing Lab	AG3551	Em, En, SD
8	Agriculture Waste Management	AG3613	Em, En, SD
9	Agriculture Waste Management Lab	AG3652	Em, En, SD

The Board approved the list of employability/entrepreneurship/skill development Courses for the session 2022-2023.

**Item No. 7 To discuss and approve the Value Added Courses in Bachelor of Science (Hons) in Agriculture Program**

The School of Agricultural Studies offered some Value-Added Courses (Domain Specific) to the students beyond their Course Curriculum to develop additional skills in the students. The proposed list of Value-Added Courses their syllabus and course outcomes, offered in the session 2022-2023 as follow:

Sr No	Year	Name of value-added courses	Year of offering	No of Hours
1	2 <sup>nd</sup>	Certification in Nursery Development and Management in Cole Crops	2022-23	40
2	3 <sup>rd</sup>	Certification in Vermi compost Production	2022-23	32

After deliberation on the detailed content of the VAC Courses along with their course outcomes for the session 2022-2023 the Board approved the Scheme, Syllabus and Course Outcomes of VAC Courses.

**Item No. 8 To Consider and approve the panel of examiners for theory and practical examination**

The Board went through the agenda and see the list of panel of examiners for theory and practical examination for the session 2022-2023 comprising the name of at least three examiners per course (Annexure-II). The Board approved the list of panel of examiners for theory and

A. Varni  
Rakesh Kumar  
HEAD OF DEPARTMENT  
Dept. of Agriculture Studies  
Quantum University, Roorkee  
Rakesh Kumar  
N. Singh

**Board of Studies**

**Department of Media Studies & Design**



**Quantum School of Media Studies & Design**

**Quantum University,**

**Date of Meeting- 07/06/2022**

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## **BOARD OF STUDIES**

### **DEPARTMENT OF MEDIA STUDIES**

#### **AGENDA**

*Date: 04/06/2022*

The meeting of the Board of Studies in the Department of Media Studies for the year 2022-23, will be held on 07/06/2022 in at 11 am onwards in the Board room, Quantum University.

The following agenda will be discussed in the meeting:

1. To consider and approve the Minutes of last meeting of Board of Studies held on dated 16/08/2021
2. To consider and approve the Action Taken Report (ATR). Annexure-I
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 feedback on course curriculum as received from students, faculty members for the B.Sc. Animation & VFX Program.
5. To discuss and approve the new introduced courses for the program in B.Sc. Animation & VFX.
6. To discuss and approve list of Examiners for the Program of Bachelor of (Hon) Journalism of Mass Communication and B.Sc. Animation & VFX.
7. To consider and approve the suggested changes in the syllabus of the Department of Media Studies.
8. **To discuss and approve the list of employability /entrepreneurship/skill development.**
9. Any other matter with the permission of Chair.

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

22. In the Syllabus Beat Reporting (JM3524) expert suggested to add the topic - **INVESTIGATIVE REPORTING, PROCESS OF CONDUCTING STING OPERATION**  
Rest unit keep it same.
23. In the Syllabus Media Convergence & Media Portfolio (JM3526) some content has been changed in Unit-3. Rest unit keep it same.
24. In the Syllabus Creative Writing (VP3515) one topic has been changed in Unit-3 only.
25. In the Syllabus Digital Media & Writing Content (JM3601) some content has been changed in all units.
26. In the Syllabus Advertising and Design (JM3602) some content has been changed in Unit-1, Unit-2, Unit-3 and Unit-4. Rest unit keep it same.
27. In the Syllabus Media & Editing Skills (JM3603) some content has been changed in Unit-1, Unit-2, Unit-3 and Unit-4 Rest unit keep it same.

Item no 8

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

The Board resolved the list of subjects 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
Environmental Studies	CY3205



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

*[Handwritten signatures]*  
D. S. D. S. D. S.



## **Minutes of Fifth Meeting**

**of**

**The Board of Studies**

**Department of Paramedical Sciences**

**Bachelor of Science in Medical Radiology and Imaging Technology  
&**

**Bachelor of Medical Lab Technology  
held on**

**Date 31-05-2022**

**Department of Paramedical Sciences**

**Quantum School of Health Sciences**

**Quantum University, Roorkee**

**2022-2023**

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



10	Employability Skill- I (Numerical Abilities)	VP3301	2022
11	Pathology and Allied Subject- II(Histopathology & Cytology Techniques)	BL3401	2022
12	Clinical Biochemistry-II(Metabolic and Blood Biochemistry)	BL3402	2022
13	Medical Microbiology-II(Technical Methods in Medical Microbiology)	BL3403	2022
14	Immunology and Serology Techniques-II	BL3404	2022
15	Pathology and Allied Subject- II(Histopathology & Cytology Techniques) Lab	BL3440	2022
16	Clinical Biochemistry-II Lab	BL3441	2022
17	Medical Microbiology-II Lab	BL3442	2022
18	Immunology and Serology Techniques-II Lab	BL3443	2022
19	Employability Skill- II (Aptitude & Reasoning)	VP3401	2022

The board members unanimously approve the newly introduced courses in the academic session 2022-23.

**6.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 in Bachelor of Science in Medical Radiology and Imaging Technology and Bachelor of Medical Lab Technology for the academic session 2022-23. (Annexure V)

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 2022-23.

#### 7.Enhancing Industrial Exposure for Students through Academic Activities.

During the meeting, the chairman intimated that the Memorandum of Understanding (MOU) with Medigram Hospital, Saharanpur for hospital posting is active for the year 2022-2023. This partnership will provide students with valuable hospital placements, enabling them to gain knowledge in patient communication, medical equipment operation, exposure to hospital settings, patient care practices, and radiological procedures.

The Chairman and the Board of Studies (BOS) members have approved this Academic Activity for the academic session of 2022-23.

The unanimous decision reflects the board's commitment to enriching students' educational experiences and providing them with the best possible knowledge.

#### 8.To discuss and approve the Value-Added Courses in Bachelor of Science in Medical Radiology and Imaging Technology.

The Chairman and members of the Board of Studies (BOS) engaged in discussions and subsequently granted approval for the inclusion of Value Added Courses (*as mentioned below*) for the program Bachelor of Science in Medical Radiology and Imaging Technology focused on imparting transferable and life skills. The board deliberated on these optional courses, which are offered separately from the program's core curriculum.

S.NO.	PROGRAM NAME	SEMESTER	NAME OF VAC	NO. OF HOURS
1	Bachelor of Science in Medical Radiology and Imaging Technology	III	General Principle of Hospital Practice	30
2	Bachelor of Science in Medical Radiology and Imaging Technology	IV	Clinical application of Contrast Studies in Radiology	30

**Minutes of the Fifth Meeting  
of**

**The Board of Studies**

**Department of Pharmacy**

**(Bachelor of Pharmacy**

**&**

**Diploma In Pharmacy)**

**held on**

**Date 31/05/2022**

**Department of Pharmacy**

**Quantum School of Health Sciences**

**Quantum University, Roorkee**

**2022-23**



  
HEAD OF DEPARTMENT  
Dept. of Pharmacy  
Quantum University, Roorkee

## **BOARD OF STUDIES IN THE DEPARTMENT OF PHARMACY**

### **AGENDA**

**Date:- 25/5/2022**

The meeting of the Board of Studies in the Department of Pharmacy for the year 2022-23, will be held on **31/5/2022 at 11:30AM 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 24/07/2021 for Quantum School of Health Sciences.
2. Action taken report
3. To discuss and approved the implementation of Choice Based Credit System (CBCS) in Bachelor of Pharmacy from Academic Session 2022-23.
4. To discuss and approve the list of employability/ Entrepreneurship/ Skill development.
5. To discuss about the Academic Activity for providing more Academic/Industrial exposure to students.
6. To discuss and approved the Value Added Courses in Bachelor of Pharmacy.
7. Discussion on the feedback received from students, faculty members.
8. To discuss and approve the introduction of new Subject with Syllabus of Diploma in Pharmacy and Bachelor of Pharmacy.
9. To Discuss & approve the proposed revised curriculum of syllabus of program Diploma in Pharmacy and Bachelor of Pharmacy from the academic session 2022-23.
10. To discuss and approve the program and course content having element of field projects/ research project/ internships.
11. To discuss and update on the Scheme & Pattern of Examination.
12. To discuss and approve the list of Professional Ethics, Gender, Human Values and Environment and Sustainability.

Any other matter with the permission of Chair



  
HEAD OF DEPARTMENT  
Dept. of Pharmacy  
Quantum University, Roorkee

**Item no 1**

**[No.: BOS/QSHS/DP/2022/1]**

The Chairman and the BOS members approved the confirmation of the minutes of BOS held on dated 24/7/2021 for department of Pharmacy.

**Resolution: Item No. 1**

**[No.: BOS/QSHS/DP/2022/1]**

**UNANIMOUSLY RESOLVED** to approve the minutes of BOS meeting held on dated 24/7/2021 for department of Pharmacy of Diploma in Pharmacy were hereby confirmed.

**Item no 2**

**[No.: BOS/QSHS/DP/2022/2]**

The Chairman and the BOS members deliberated and approved the Action Taken Report for academic session 2021-22.

**Resolution: Item No. 2**

**[No.: BOS/QSHS/DP/2022/2]**

**UNANIMOUSLY RESOLVED** the revised curriculum discussed and approved vide resolution number **BOS/QSHS/DP/2021/2** with suggestions have been implemented from July 2021 for the following courses.

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

**Item no 3**

**[No.: BOS/QSHS/DP/2022/3]**

The Chairman and the BOS members deliberated and approved the Choice Based Credit System (CBCS) for academic session 2022-23.

**Resolution: Item No. 3**

**[No.: BOS/QSHS/DP/2022/3]**

**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. 4**

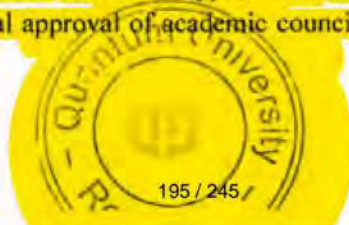
**[No.: BOS/QSHS/DP/2022/4]**

The Chairman 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 for Academic session 2022-23.

**Resolution: Item no 4**

**[No.: BOS/QSHS/DP/2022/4]**

**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 for Academic session 2022-23. (Annexure-3)



  
Head of Pharmacy  
Quantum University, Rookh



**MINUTES OF  
FIFTH BOARD OF STUDIES  
IN THE  
DEPARTMENT OF APPLIED MEDICAL SCIENCES  
(Nutrition & Dietetics)  
Held on  
31.05.2022**

**Department of Applied Medical Sciences  
Quantum School of Health Sciences  
Quantum University, Roorkee  
2022-2023**

*Saloni*

HEAD OF DEPARTMENT  
Dept. of Applied Medical Sciences  
Quantum University, Roorkee



7	The members discuss and approve the feedback received from students, faculty members and subspeciality group for the program Master of Science in Nutrition and Dietetics.	The feedback received for the M. Sc N&D was approved by the members and incorporated for making changes in the syllabus for next session.
8	The members deliberated and approved some new introduced subjects for the program Bachelors of Science in Nutrition and Dietetics in the academic session 2020-21.	The new introduced courses were approved for the academic session 2021-22
9	The Chairman and the BOS members deliberated and approved the program and the course content having an element of Food Industry internship for the Program Masters of Science in Nutrition and Dietetics. These programs will be finalized after the approval of academic council for the academic session 2018-19.	The new internship incorporated in the M.Sc N&D program was appreciated as it enhances the job opportunities for the students and it was approved.

**The members unanimously resolved** the revised curriculum discussed and approved vides resolution number with suggestions have been implemented from July 2022.

**Item no 3** The Chairman and the BOS members discuss and approved the list of subjects for B. Sc N&D including theory and lab that provide the employability/ entrepreneurship/skill development and these subjects will be finalized after the approval of academic council for the academic session 2022-23.

**The members unanimously approved the** list of subjects for B. Sc N&D including theory and lab that provide the employability/ entrepreneurship/skill development and these subjects will be finalized after the approval of academic council for the academic session 2022-23.

**Item no 4** The Chairman and the BOS members discuss and approved the list of subjects for M. Sc N&D including theory and lab that provide the employability/ entrepreneurship/skill development and these subjects will be finalized after the approval of academic council for the academic session 2022-23.

*Sinha*

*Pani*

*Paloni*

*D. Tyagi*

*Nikharika*  
*Rajesh*

HEAD OF DEPARTMENT  
Department of Medical Sciences

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

**Item no 5** The Chairman and the BOS members deliberated and approved the Academic activity for providing more academic/industrial exposure to students for academic session 2022-23.

To increase the academic and industrial exposure the students are involved in community service activities like visit to Anganwadi center and awareness camps in nearby villages and hospital and food industry visits are planned.

The members approved the Academic activity for providing more academic/industrial exposure to students for academic session 2022-23.

**Item no 6** The Chairman and the BOS members deliberated and approved the Value-Added Courses imparting transferable and life skills. The board discuss about value added courses which are optional and offered outside the curriculum of the program.

S.NO	PROGRAM NAME	SEMESTER	NAME OF VAC	NO. OF HOURS
1	B. Sc N&D	Ist, IIIRD & Vth	Uttarakhand food and Nutrition Values	30 hrs
2	M. Sc N&D	Ist & IIIRD	DIETARY SUPPLEMENTS AND NUTRACEUTICALS	30 hrs

The members UNANIMOUSLY RESOLVED THAT the brochure and course content along with course outcome of value-added courses offered.

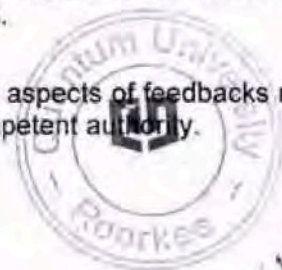
**Item no 7** Discussion on the feedback received from students, faculty members.

Chairman and BOS members 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.

*Rajendra*  
*Susha*

*Ravi*  
*N. Singh*



*Niharika*  
*Saloni*  
HEAD OF DEPARTMENT  
Dept. of Applied Medical Sciences  
Quantum University Roarkes

**Board of Studies**

**Department of Hospitality & Tourism**

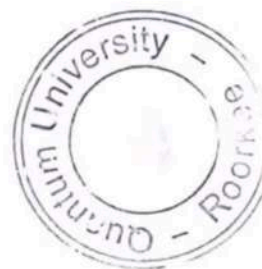
**Dated: 31-05-2022**



**Quantum School of Hospitality & Tourism**

**Quantum University, Roorkee**

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



## **Board of Studies**

### **Department of Hospitality & Tourism**

#### **AGENDA**

*Date:- 27/05/2022*

The meeting of the Board of Studies in Department of Hospitality & Tourism for the year 2021-22, will be held on **31/05/2022** 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 14/08/2021, 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 2022-23.
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 2021-22 within the Bachelor of Hotel Management program

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5	Housekeeping Foundation-I Lab	HM3148	2022-23
6	Front Office Foundation-II	HM3216	2022-23
7	Housekeeping Foundation-II	HM3217	2022-23
8	Concept and Practices in Tourism	HM3218	2022-23
9	Front Office Foundation-II Lab	HM3247	2022-23
10	Housekeeping Foundation-II Lab	HM3248	2022-23
<b>New Courses Introduced in 2<sup>nd</sup> year in the session 2022-23</b>			
11	Tour Operation and Management	HM3416	2022-23

The BOS members resolved to approve newly introduced courses in the Bachelor of Hotel management program for the session 2021-22.

**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 Management.**

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S. No.	Name of the Course	Course Code	Year of Introduction	Activities/Content with direct bearing on Employability/ Entrepreneurship/ Skill development
1	Front Office Foundation-I	HM3114	2022-23	To impart basic knowledge about Front Office Foundation
2	Housekeeping Foundation-I	HM3115	2022-23	To impart basic knowledge about Housekeeping Foundation
3	Introduction to Hospitality and Tourism Industry	HM3116	2022-23	To impart advance knowledge for Introduction to Hospitality and Tourism Industry
4	Front Office Foundation-I Lab	HM3147	2022-23	To impart practical skill about Front Office Foundation.
5	Housekeeping Foundation-I Lab	HM3148	2022-23	To impart practical skill about Housekeeping Operations.
6	Front Office Foundation-II	HM3216	2022-23	To impart knowledge related to Front Office Foundation
7	Housekeeping Foundation-II	HM3217	2022-23	To impart knowledge related to Housekeeping Operations
8	Concept and Practices in Tourism	HM3218	2022-23	The module is designed to give basic knowledge about Concept and Practices in Tourism
9	Front Office Foundation-II Lab	HM3247	2022-23	To impart skills in Front office Operations
10	Housekeeping Foundation-II Lab	HM3248	2022-23	To impart skills in Housekeeping Foundation
11	Tour Operation and Management	HM3416	2022-23	To provide information about Tour Operation and Management

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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**

The BOS considered the list and syllabus and course outcome of value added courses (*Domain Specific*) for the Bachelor of Hotel Management 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)
2	VI	Dynamics of Services	2022-23	30
3	IV	Tour Escort management	2022-23	30

The Board of Studies (BOS) resolves to approve above mentioned additional value-added courses for the Bachelor of Hotel Management program, recognizing the importance of practical based exposure and ensuring the program's relevance to industry and student needs.

**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.**








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**Board of Studies**  
**Department of Law**



**Department of Law**  
**Quantum School of Law**  
**Quantum University**



## **BOARD OF STUDIES**

### **DEPARTMENT OF LAW**

#### **B.A.LL.B (HONS)/BBA.LL.B (HONS) (2022-27)**

### **AGENDA**

Date: 05-06-2022

The meeting of the Board of Studies in Department of Law for the year 2022-23, will be held on 07-06-2022 at 10:00 A.M in Board Room, Quantum University.

The following agenda will be discussed in the meeting:

1. Confirmation of the minutes for BOS held on 18-08-2021 for Integrated Bachelor of Arts and Bachelor of Law (Hons) and Integrated Bachelor of Business Administration and Bachelor of Law (Hons) of Department Curriculum.
2. To consider and approve Action taken report of previous board of studies for session 2021-22.
3. To discuss and approve the New Introduced Courses for session 2022-23 in Integrated Bachelor of Arts and Bachelor of Law (Hons) and Integrated Bachelor of Business Administration and Bachelor of Law (Hons) Programmes.
4. To approve the list of subjects related to employability/entrepreneurship/skill development being followed in the 2022-23.
5. To discuss and approve the Value Added Courses in Integrated Bachelor of Arts and Bachelor of Law (Hons) Integrated Bachelor of Business Administration and Bachelor of Law (Hons)
6. To discuss and approve the program and course content having elements of field projects /Research project/ Internships.
7. To discuss and approve the list courses based on Professional Ethics, Gender, Human Values, Environment and Sustainability.
8. Discussion on the feedback received from students and faculty members.



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**Item No. 4**

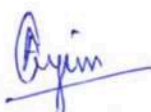
**To approve the list of subjects related to employability/entrepreneurship/skill development being followed in the 2022-23.**

The chairman and member of BOS discussed and approved the list of subjects including theory and practical that provides employability/Entrepreneurship/Skill Development.

**Proposed List of Courses focus on Employability/ Entrepreneurship/ Skill development(Session 2022-23)**

**Integrated Bachelor of Arts and Bachelor of Law (Hons) Integrated Bachelor of Business Administration and Bachelor of Law (Hons)**

S. No.	Name of the Course	Course Code	Year of introduction	Course Objectives	Employability/ Entrepreneurship/ Skill development (Emp/Ent/Sd)
1	Constitutional Law-I	LW5501	2022-23	Focus on orientation of student to legal study from the point of view of basic concept of law and legal system	Emp
2	Law of Crime-I (I.P.C)	LW5502	2022-23	Focuses on the Definition, nature, meaning idea of crime and how the laws pertaining to them have been developed, various sects of crimes and its connectivity with rise and fall of societies would be discussed and deliberated upon.	Emp
3	Labour and Industrial Law-I	LW5503	2022-23	Focus on orientation of student to legal study from the point of view of basic concept of law and legal system	Emp

  
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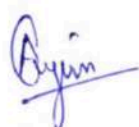








4	Health Law	LW5504	2022-23	Focuses on the idea of health as a important rudiment of life. It will help individuals to understand the legislative backup to protect and promote the health as an element.	Emp
5	Bankruptcy & Insolvency	LW5506	2022-23	Familiarize the students with general principles of insolvency and bankruptcy which is one of the important aspect of the commercial laws in this globalized era of business world.	Emp
6	Social Media and Digital Transformation	VP3505	2022-23	Designed To Introduce The Students About The Social Media And Its Usages. Understand The Trends Of Social Media & Digital Transformation.	Emp
7	Land Law Including Tenure Tenancy System	LW5515	2022-23	Provides an insight into the justification for special statutory provisions for land Law.	Emp
8	Telecommunication Law	LW5525	2022-23	Telecommunication is a key infrastructure for economic and industrial development. The reforms carried out in the sector, including the entry of private operators, have resulted in unprecedented growth in the sector.	Emp
9	Woman Law	LW5535	2022-23	Principle of gender equality is enshrined in the Indian Constitution in its Preamble, Fundamental Rights, Fundamental Duties and Directive Principles. The Constitution not only grants equality to women, but also empowers the State to adopt measures of positive discrimination in favour of women	Emp

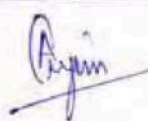


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10	Constitutional Law-II	LW5601	2022-23	Focus on orientation of student to legal study from the point of view of basic concept of law and legal system	Emp
11	Law of Crime-II (Cr.P.C)	LW5602	2022-23	Focuses on how exactly the Penal laws are been implemented, it would provide all the plausible answers with respect to the procedural aspects of penal statute.	Emp
12	Labour and Industrial Law-II	LW5603	2022-23	Focus on orientation of student to legal study from the point of view of basic concept of law and legal system	Emp
13	Computer Aided Law Practice	VP3607	2022-23	Focuses on very identity of legislations; it will reflect the conceptual understanding of making of statutes and will resolve the eternal conflict of constructing statutes.	Sd
14	Corporate Governance	LW5604	2022-23	The Companies act 1956 has not been repealed. The New Act of 2013 is made applicable by notifications as to particular sections by the Ministry of Company Affairs.	Emp
15	Investment and Competition law	LW5606	2022-23	Focuses on very identity of legislations; it will reflect the conceptual understanding of making of statutes and will resolve the eternal conflict of constructing statutes.	Emp
16	Criminology	LW5625	2022-23	Criminal Justice refers to the agencies of government charged with enforcing law, adjudicating crime, and correcting criminal conduct. The criminal justice system is essentially an instrument of social control: society considers some behaviors so dangerous and destructive that it either strictly controls their occurrence or outlaws them outright.	Emp



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17	International Commercial Law	LW5635	2022-23	Students are expected to understand such issues as: the levels at which capacity, output, and prices are set; the extent that products are differentiated from each other; how much firms invest in research and development.	Emp
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#### Item No. 5

**To discuss and approve the Value Added Courses in Integrated Bachelor of Arts and Bachelor of Law (Hons) Integrated Bachelor of Business Administration and Bachelor of Law (Hons)**

The chairman and member of BOS discussed and approved the list of and syllabus of value added courses (*Domain Specific*) for Integrated Bachelor of Arts and Bachelor of Law (Hons) Integrated Bachelor of Business Administration and Bachelor of Law (Hons). The list of Value Added Courses is as follows

S.R O	PROGRAMME NAME	SEMESTE R	NAME OF VAC	YEAR OF INTRODUCTIO N	LECTURE HOURS
1	B.A.LL.B(H)/BB.A.LL.B(H)	I	White Collar Crime	2022-23	30
2	B.A.LL.B(H)/BB.A.LL.B(H)	II	Juvenile Justice in India	2022-23	30
3	B.A.LL.B(H)/BB.A.LL.B(H)	III	Gender Justice And Feminist Jurisprudence	2021-22	30
4	B.A.LL.B(H)/BB.A.LL.B(H)	V	Medical Jurisprudence	2021-22	30
5	B.A.LL.B(H)/BB.A.LL.B(H)	IV	Child Abuse Laws In India	2022-23	30
6	B.A.LL.B(H)/BB.A.LL.B(H)	VI	Plea Bargaining	2022-23	30



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