

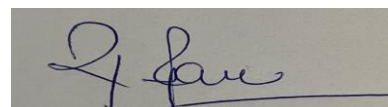
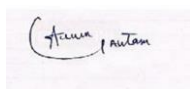
Date: 2nd August 2022

Minutes: Meeting of BOS of Department of Commerce, Jaipur School of Business

Venue: Boardroom, Engineering Block, JECRC University

- (1) Board of Studies of Department of Commerce was held on 02.08.2022 at 11.00 AM in the Board-room, Engineering Block, JECRC University. Prof. (Dr.) Renu Pareek Convener presided over the meeting. List of members present is enclosed herewith as Annexure – 1.
- (2) The meeting commenced with welcome to all the members particularly the external experts.
- (3) Following were the agenda of the meeting:
 - (a) Confirmation of minutes of last BOS meeting
 - (b) To finalize the syllabi of all the programs prepared by the Departmental Committees related to the BOS of Department of Commerce for the session 2022- 23 and recommend the same to the Academic Council for adoption.
 - (c) Any other matter with the permission of the Chair.
- (4) The minutes of the previous meeting of BOS were read before the members and were approved without any modification.
- (5) The syllabi of under mentioned programs designed/ updated by the Departmental Committees were placed before the BOS committee:
 - (a) B.Com.– **3 Year Graduation Program**
 - (b) Newly introduced B.Com.(Honors)- Knowledge Partner Sunstone Eduversity-**3 year Graduation program**
 - (c) B.Com (Finance & Analytics-IOA, Financial Markets- IFM, International Accounting & Finance- ACCA, Management Accounting- CMA, Logistics & Supply Chain- CIPS) - Knowledge Partner ISDC -**3 year Graduation program**
- (6) After discussing the scheme and syllabus of each program BOS committee suggested following suggestions:
 - a) **Inclusion of new papers**

S. No.	Course Name with Code	Semester in which proposed to be included
1.	Business Statistics	2 nd Semester



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2.	E- Filling of Return (Elective)	4 th Semester
3.	Financial Derivative (Elective)	5 th Semester
4.	B.Com. with Knowledge Partner Sunstone Eduversity	Entire Program

b) Revision in Content of Paper Content

S. No.	Course Name	Course Code	Changes Suggested
1.	Principles of Marketing Management	BCM115B	Upgradation of course syllabus (Unit 1,2 and 3 have been revised)
2.	Managerial Economics	BCM112B	Upgradation of course syllabus
3.	Accounting for Managers	BCM 114B	Revision of course syllabus
4.	Human Resource Management		Deletion from course syllabus
5.	Business & Technology (B.Com. with Knowledge Partner ISDC)	BCM615B	Upgradation of course syllabus

c) **B.Com.:** Adopted syllabus and scheme and no suggestions were given regarding syllabus. Suggested changes in syllabus of papers and inclusion of three papers in the Scheme were accepted.

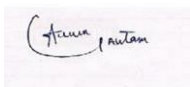
d) **B.Com. (Honours with Knowledge Partner Sunstone Eduversity):** Adopted syllabus and scheme and no suggestions were given regarding syllabus.

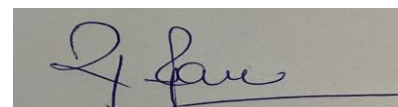
e) **B.Com. (Knowledge Partner ISDC):** Adopted syllabus and scheme. Suggested changes in syllabus of papers in the Scheme were accepted.

(7) The BOS committee decided that after inclusion of above suggestions the syllabi may be placed before the Academic Council for adoption.

(8) The meeting ended with a vote of thanks to the chair.

Prof. (Dr.) Renu Pareek
Convener,
BOS- Department of Commerce,
Jaipur School of Business





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JECRC UNIVERSITY
Department of Business Administration
Jaipur School of Business

Minutes of the Meeting
(Board of Studies)

(Dated: 3rd August 2022)

Minutes of the Board of Studies meeting, Department of Business Administration meeting held on Wednesday, 3rd August 2022 at 10:30 AM in Board room, Engineering Block.

Members Present:

S.No	Name of the Faculty	Designation	Status
1	Prof. RenuPareek	Dean, Jaipur School Of Business	Dean <i>[Signature]</i>
2	Prof. RuchiGoyal	HOD, Department of Business Administration, JSB	Convener <i>[Signature]</i>
3	Dr. Rashmi Sharma	Associate Professor, JSB	Member
4	Dr. KirtiChoudhary	Assistant Professor, JSB	Member <i>[Signature]</i>
5	Dr. M Kuruvilla	Assistant Professor, JSB	Special Invitee <i>[Signature]</i>
6	Mr. Arun K Singh	Manager-HR/Admin, Vinayak Jewels (India) Pvt. Ltd.	External Member & Special Invitee <i>[Signature]</i>
7	Dr. Prashant Gupta	Prof., Jaipuria Institute of Management	External Member <i>[Signature]</i>
8	Mr. AvinasSabharwal	MD, Accenture	External Member - <i>Joined Online</i>

Agenda:

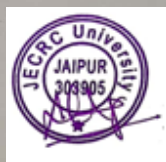
The meeting started with the welcome note by Prof. RuchiGoyal, Convener. She then discussed the proposed schema for BBA (with all tracks). The following important points were mentioned:-

1. Minor revision in the schema of BBA Regular, BBA in Data Analytics & Visualization (Samatrix), BBA in Banking, Financial Services & Insurance and BBA in Tourism & Hospitality Management.

2. Revision in the following papers:-

S. NO	Subject Code	Subject Name	Percentage of syllabus change	Weightage (100/no. of subjects)	Weightage change	Revised Units
1.	BBA009B	Managerial Economics	20	2.56	0.51	Unit V


2.	BBA002C	Financial Management	40	2.56	1.02	Unit IV and V
3.	BBA341B	Financial Markets & Services	40	2.56	1.02	Unit III and V
4.	BBA431B	Operation Management	100	2.56	2.56	All units were revised
5	BBA401B	Corporate Finance	60	2.56	1.53	Unit I, IV and V
6	BBA402B	Investment and Risk Management	80	2.56	2.04	Unit II, III, IV and V
7	BBA482A	Global Business Environment	40	2.56	1.02	Unit IV and V
8	BBA019C	E- Commerce	100	2.56	2.56	All unit were revised
9	DCO011A	Presentation skills using Canva	100	2.56	2.56	New subject introduced
10	BBA603A	Principles of Banking	100	2.56	2.56	New subject introduced
11	BBA701A	Introduction to AI, Data Science, Business intelligence, Data Analytics	100	2.56	2.56	New subject introduced
12	BBA708A	Risk & Fraud Analytics	100	2.56	2.56	New subject introduced
13	BBA709A	Supply chain Analytics&HR Analytics	100	2.56	2.56	New subject introduced



14	DCA004	Advance Excel	100	2.56	2.56	New subject introduced
		Total Revision percentage			27.62	

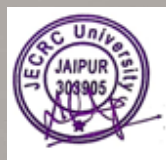
3. The total credits remain same i.e. for BBA (Regular) 132 credits and for BBA(Hons.) 148 credits.
4. A relaxation of 10% in the credits will be given for SWYAM, NPTL, MOOC courses.
5. The Department of Business Administration focuses on encouraging learning beyond syllabi in students, for this we continue to give emphasis on Industry expert lectures, seminars, assignments and projects.
6. Apart from FOM-CAST, I3C, a MOU has been signed with CII and Raksha for skills enhancement and enrichment of the students.
7. The curriculum was appreciated and the following additions were suggested to further refine students skills:-
 - To increase student employability, more focus should be given on Entrepreneurship and sustainable development.
 - Student's acquaintance towards product and process innovation is must.
 - More emphasis needs to be given on workshops, guest lectures, and industry visits so as to keep the students updated about the recent industry trends.

The suggestions were accepted and agreed upon unanimously. It was agreed that the suggestions will help in boosting the student employability and pioneering skills.


Prof.(Dr.) Ruchi Goyal,
Convener BOS

Department of Business Administration,
JECRC University, Jaipur-303905

Head
Department of BBA
JECRC University, Jaipur-303905



Date: 10thSeptember 2022

Minutes: Meeting of BOS of Department of Management, Jaipur School of Business

Venue: Boardroom, Engineering Block, JECRC University

- (1) Board of Studies of Department of Commerce was held on 10.09.2022 at 10.00 AM in the Board-room, Engineering Block, JECRC University. Prof. (Dr.) Renu Pareek Convener presided over the meeting. List of members present is enclosed herewith as Annexure – 1.
- (2) The meeting commenced with welcome to all the members particularly the external experts.
- (3) Following were the agenda of the meeting:
 - (a) Confirmation of minutes of last BOS meeting
 - (b) To finalize the syllabi of all the programs prepared by the Departmental Committees related to the BOS of Department of Management for the session 2022- 23 and recommend the same to the Academic Council for adoption.
 - (c) Any other matter with the permission of the Chair.
- (4) The minutes of the previous meeting of BOS were read before the members and were approved without any modification.
- (5) The syllabi of under mentioned programs designed/ updated by the Departmental Committees were placed before the BOS committee:
 - (a) M.B.A.– 2 Year Post-Graduation Program
- (6) After discussing the scheme and syllabus of each program BOS committee suggested following suggestions:

a) **Inclusion of new papers as Electives**

S. No.	Course Name with Code	Semester in which proposed to be included
1.	Entrepreneurship Process & Behavior	2 nd Semester
2.	Creativity & Innovation in Entrepreneurship	2 nd Semester
3.	Small Business Management	2 nd Semester
4.	Family Business Management	2 nd Semester
5.	Leading Change in Family Business	3 rd Semester
6.	Social Entrepreneurship	3 rd Semester
7.	Financing New Business Ventures	3 rd Semester

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JECRC UNIVERSITY

Department of Computer Applications

Minutes of the Board of Studies Meeting

1. Minutes of the meeting of the Board of Studies assembled on 10th December 2022, held in the Seminar Hall, Engineering block, JECRC University, Jaipur.
2. The following are the members of BoS committee were present--

S.No.	Name	Designation	Status
1	Dr. Deepak Dembla	Dean	Permanent Invitee
2	Mr. Shekhar Chander	HoD	Chairperson & Convener
3	Dr. Anooja A	Assistant Professor	Member

3. At the outset Dr. Deepak Dembla, Dean, School of Computer Applications and Mr. Shekhar HoD, CA welcomed all the members and briefly apprised about the **agenda of the meeting** listed below: -
 - a. Revision of syllabus and courses in BCA w.e.f. Session 2022-2023
 - b. Revision of syllabus and courses in MCA w.e.f. Session 2022-2023
 - c. Introduction of New programs BCA and MCA in association with company Sunstone and Upgrad.
4. The complete curricula of BCA and MCA program was discussed to rationalize the syllabus and ensure the maximum input is given to the students within the available duration to optimize the utility of various streams. The discussion was mainly focused to ensure that syllabus should be designed in such a manner so that all the BCA and MCA students be imparted the requisite interdisciplinary knowledge for effective implementation at a later date. The syllabus was discussed carefully and threadbare to make it more useful from students' point of view to handle the practical scenarios efficiently and apply their knowledge with better understanding in the interrelated and interdependent fields.

Recommendations of BOS-

1. The BoS has approved the schemes and syllabi of two new programs BCA and MCA in association with company Sunstone with multiple specializations. (Annexure-I)
2. The BoS has approved the schemes and syllabi of new program in BCA (Specialization in Blockchain) in association with company UpGrad. (Annexure-II)
3. The courses are added/Removed program structure of the BCA for Batches 2022-2025 has been revised as follows-

Shekhar

10/12/22

HoD

School of Computer Applications

Deepak
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Anooja
10/12/22



3. The Courses are added/removed from the scheme/program structure of the BCA for Batch 2022-2025 as mentioned below:

BCA II Semester							
Sub Code	Subject Name	Removed Subject	Added Subject	Credits			
				Added Cr.	Removed Cr.	Previous Cr.	Revised Cr.
BCA302A	Fundamentals of Computers with C Programming	-	√	3	-	-	-
BCA303A	Fundamentals of Computers with C Programming Lab	-	√	1	-	-	-
BCA176A	Software Testing	√	-	-	3	-	-
BCA121B	Software Testing Lab	√	-	-	1	-	-
BCA118B	Database Management System	-	-	-	-	3	4
BCA300A	Python Programming	-	√	4	-	-	-
BCA301A	Python Programming Lab	-	√	1	-	-	-
Open Elective		√	-	-	3	-	-
03 Credits are added in BCA II Semester							

Shelchal
10/12/22

HOD
School of Computer Applications
JECRC University, Jaipur



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JECRC University, Jaipur

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BCA IV Semester							
Sub Code	Subject Name	Removed Subject	Added Subject	Credits			
				Added Cr.	Removed Cr.	Previous Cr.	Revised Cr.
BCA304A	Web Development with Node.js and Express	-	√	3	-	-	-
BCA305A	Web Development with Node and Express Lab	-	√	1	-	-	-
DMA052A	Statistical and Numerical Methods	√	-	-	3	-	-
BCA139A	Minor Project	√	-	-	1	-	-
No Changes in credits							

4. The Courses are added/removed from the scheme/program structure of the MCA for Batch 2022-2024 as mentioned below:

MCA II Semester							
Sub Code	Subject Name	Removed Subject	Added Subject	Credits			
				Added Cr.	Removed Cr.	Previous Cr.	Revised Cr.
MCA244A	Technical Paper Writing	√	-	-	2	-	-
MCA144B	Programming in Python	-	-	-	-	3	4
MCA118A	Advance Database Management System	-	-	-	-	3	4
No Changes in credits							

5. Students can earn maximum of 40% credits of their degree program through SWAYAM MOOCs, but not more than 8 credits in one semester. The credits will be accounted for the degree only after successful completion of the MOOCs from SWAYAM portal and upon submission of the Course completion certificate. The courses to be offered for students in each semester would be finalized and approved by the HoD.

Scholar
10/12/22

HoD
School of Computer Applications
JECRC University, Jaipur



Deen
Dean

School of Computer Applications
JECRC University, Jaipur

10/14/22

Prof. Dr. Deepak Dembla
(Dean- CA, Permanent Invitee Member)

Dean
School of Computer Applications
JECRC University, Jaipur

Dr. Anooja A
(Member)

Mr. Shekhar

(HoD- Department of CA)

Chairperson, BoS – School of Computer Applications)


HoD
School of Computer Applications
JECRC University, Jaipur



JECRC UNIVERSITY
Department of Civil Engineering
Minutes of the meeting of the Board of Studies

1. Minutes of the meeting of board of studies held on 10th September 2022 at 11.00 A.M. in the conference hall of Engineering block JECRC University, Jaipur.
2. The following members attended the meeting.
 - A. Prof. (Dr.) Vivek Anand (Chairperson)
 - B. Prof. (Dr.) Naveen Hemrajani (Director, School of Engineering)
 - C. Mr. Anirudh Sharma (Convenor)
 - D. Mr. Ramvilas Meena (Member)
 - E. Prof. (Dr.) Gunwant Sharma (Professor, MNIT, Jaipur)
 - F. Dr. J.K. Jain (Associate Professor, MNIT, Jaipur)
3. Prof. (Dr.) Vivek Anand, Head, Department of Civil Engineering, greeted all the members and briefly apprised about the working agenda of the meeting listed below:
 - a. Constitution of research and practice-oriented syllabus.
 - b. To discuss logical sequencing of the syllabus.
 - c. Modification of syllabus.
 - d. Introduction of the new scheme and syllabus.
4. The complete curricula of B.Tech. were discussed and finalized considering all academic aspects and significant contents in continuity. A judicious combination of engineering practice and research inputs was aimed for practical development of upcoming engineers, sufficient theory and satisfactory practical were kept in mind.
5. M. Tech. (Structural Engineering, Transportation Engineering & Environmental Engineering, Construction Engineering Management) curricula were considered and finalized with respect to prevailing circumstances and technical and academic requirements. The research part was duly given weightage and adopted as such.
6. The syllabi are revised by the faculty members on the basis of suggestions given by alumni, industrial and subject experts.
7. The syllabi are highly focused on employability & skill development and all the courses adopted have full relevance.
8. B. Tech. & M. Tech program has Choice based credit system and elective course system respectively.
9. Scheme has been revised in M. Tech. (Structural, Transportation, Environment & Construction Engineering Management).
10. Last Academic Year (2021-22) BoS will be applicable for Batch (B. Tech.) inducted in 2021 also, the mentioned syllabus will be adopted from 3rd semester.
11. The detailed contents of the syllabi are enclosed as a part of these minutes.
12. The following emerged from the discussions and course structure as follows: -




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JECRC University, Jaipur-303905

- a) For the batch (B. Tech.) inducted in 2022, the mentioned syllabus will be adopted from 3rd semester.
- b) For the batch (M. Tech) inducted in 2022, the mentioned syllabus will be adopted from 1st semester.
- c) New subjects are added as follows:

S. No.	Subject Name	Credit	Program	Semester
1	Engineering Graphics and Design	3	B. Tech.	1 st
2	A Professional's Approach to Law and Ethics	3	B. Tech.	2 nd
3	Applied Industrial IoT	3	B. Tech.	3 rd
4	Building Information Modeling	3	B. Tech.	4 th
5	Foundation Engineering Practices	3	B. Tech.	4 th
6	Design of Reinforced Concrete Buildings and Practices	3	B. Tech.	5 th
7	Practical Design of Structural Steel Members	3	B. Tech.	5 th
8	Structural Steel Buildings – Design and Practices	3	B. Tech.	6 th
9	Precast Construction Elements and Systems	3	B. Tech.	6 th
10	Project Management for Professionals	3	B. Tech.	7 th
11	MicroStation Lab	2	M. Tech.	1 st
12	STAAD.Pro	2	M. Tech. (S)	2 nd or 3 rd
13	RAM Structural System	2	M. Tech. (S)	2 nd or 3 rd
14	OpenRoads ConceptStation	2	M. Tech. (T)	2 nd or 3 rd
15	OpenRoads Designer	2	M. Tech. (T)	2 nd or 3 rd
16	OpenFlows WaterGEMS	2	M. Tech. (E)	2 nd or 3 rd
17	OpenFlows SewerGEMS	2	M. Tech. (E)	2 nd or 3 rd
18	SYNCHRO 4D Pro	2	M. Tech. (C)	2 nd or 3 rd
19	OpenBuildings Designer	2	M. Tech. (C)	2 nd or 3 rd

13. The following emerged from the discussions and course structure of the B. Tech (CE) has been revised as follows: -

For the batch Inducted in Third Semester in 2022, following changes made to rationalize the syllabus



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1. Subject **Life Skills – 1 (Personality Development) (DEN003A)** with 2 credit is sub-divided into **Life Skills – 1 (Personality Development) (DEN003A)** and **Life Skills – 2 (Personality Development) (DEN003B)** with 1 credit in 3rd semester and has been implemented from last year and has been changed into **Life Skills – 1 (Personality Development) (DEN003C)** with 2 credit now.
 2. Subject **Engineering Surveying (BCI083A)** with 3 credit is shifted from 3rd semester to 4th semester.
 3. Subject **Fluid Mechanics (BCI002B)** with 3 credit is shifted from 3rd semester to 4th semester.
 4. Subject **Engineering Surveying Lab (BCI084A)** with 1 credit is shifted from 3rd semester to 4th semester.
 5. Subject **Fluid Mechanics and Hydraulics Lab (BCI063C)** with 1 credit is shifted from 3rd semester to 4th semester.
 6. Subject **Life Skills – 2 (Aptitude) (DMA003A)** with 2 credit is sub-divided into **Life Skills – 2 (Aptitude) (DMA003A)** and **Life Skills – 2 (Aptitude) (DMA003B)** with 1 credit in 4th semester and has been implemented from last year and has been changed into **Life Skills – 2 (Aptitude) (DEN003C)** with 2 credit now.
 7. Subject **Value Education & Ethics -1 (DIN003A)** and **Value Education & Ethics -2 (DIN004A)** with 1 Credit in 3rd and 4th semester respectively, are considered as a practical subject and have been implemented from last year.
 8. Subject **Geotechnical Engineering (BCI086A)** with 4 credit is shifted from 4th semester to 3rd semester.
 9. Subject **Structure Analysis (BCI085A)** with 3 credit is shifted from 4th semester to 5th semester.
 10. Subject **Geotechnical Engineering Lab (BCI022B)** with 1 credit is shifted from 4th semester to 3rd semester.
 11. Subject **Material Testing Lab (BCI024C)** with 1 credit is shifted from 4th semester to 3rd semester.
 12. Subject **Hydraulics and Hydraulic Machines (BCI014A)** with 3 credit is shifted from 4th semester to 5th semester in Program Elective – II.
 13. Subject **Reinforced Cement Concrete I (BCI020A)** with 4 credit is removed from 5th semester.
 14. Subject **Structure Analysis Lab (BCI094A)** with 1 credit is shifted from 5th semester to 6th semester.
 15. Subject **Project Work (BCI073A)** with 4 credit is removed from 6th semester.
 16. Subject **CAD Building Drawing Lab (BCI065B)** with 1 credit is shifted from 6th semester to 5th semester.
14. The following emerged from the discussions and course structure of the M. Tech (CE) has been revised as follows: -
- For the batch Inducted in First Semester in 2022, following changes made to rationalize the syllabus & credits: -
1. Subject **Finite Element Method (MCI119A)** with 3 credit is removed from 1st semester.
 2. Subject **Finite Element Method Lab (MCI120A)** with 3 credit is removed from 1st semester.
 3. Subject **Core Lab – I and Core Lab – II** with 1 credit have been changed from 1 credit to 2 credit.
 4. Subject **Core Lab – II** with 2 credit is shifted from 2nd semester to 3rd semester.

15. The following emerged from the discussions and course structure of the M. Tech (CE) has been revised as follows: -

For the batch Inducted in First Semester in 2022, following changes made to rationalize the syllabus & credits: -

S. No.	Subject Name	Credit	Semester	Remarks
1	Advanced Concrete Technology Lab	2	MS-2 nd /3 rd	Contact hours increased
2	Structural Design Lab	2	MS-2 nd /3 rd	Contact hours increased
3	Pavement Materials lab	2	MT-2 nd /3 rd	Contact hours increased
4	Transportation Planning Lab	2	MT-2 nd /3 rd	Contact hours increased
5	Environmental Lab-I	2	ME-2 nd /3 rd	Contact hours increased
6	Environmental Lab-II	2	ME-2 nd /3 rd	Contact hours increased
7	Construction Management Lab	2	MC-2 nd /3 rd	Contact hours increased
8	Construction Technology Lab	2	MC-2 nd /3 rd	Contact hours increased


Head
Department of Civil Engineering
JECRC University, Jaipur-303005

Academic Session_2022-23

Changes in BoS for B. Tech.

S. No.	Name of Course in Base Scheme	Subject Type (Old/New)	Weightage (100/No of Subjects)	Percentage Change	Weighted Change
1	Design of Reinforced Concrete Buildings and Practices	New	1.06	100%	1.06
2	Quantity Surveying and Valuation	Old	1.06	0%	0.00
3	Prestressed Concrete	Old	1.06	0%	0.00
4	Building Design	Old	1.06	0%	0.00
5	Ground Improvement Techniques	Old	1.06	0%	0.00
6	Earthquake Resistant Design	Old	1.06	0%	0.00
7	Infrastructure Management	Old	1.06	0%	0.00
8	Fluid Mechanics	Old	1.06	0%	0.00
9	Fluid Mechanics and Hydraulics Lab	Old	1.06	0%	0.00
10	Building Materials & Concrete Technology Lab	Old	1.06	0%	0.00
11	Geotechnical Engineering Lab	Old	1.06	0%	0.00
12	Material Testing Lab	Old	1.06	0%	0.00
13	Hydraulics and Hydraulic Machines	Old	1.06	0%	0.00
14	Environmental Engineering I	Old	1.06	0%	0.00
15	Environmental Engineering Lab	Old	1.06	0%	0.00
16	Foundation Engineering	Old	1.06	0%	0.00
17	Design of Steel Structures	Old	1.06	0%	0.00
18	Transportation Engineering I	Old	1.06	0%	0.00
19	Transportation Engineering Lab	Old	1.06	0%	0.00
20	CAD Building Drawing Lab	Old	1.06	0%	0.00
21	Advanced Reinforced Cement Concrete	Old	1.06	0%	0.00
22	Water Resource Engineering	Old	1.06	0%	0.00
23	STAAD Pro Lab	Old	1.06	0%	0.00
24	Construction Project Management	Old	1.06	0%	0.00
25	Environment Engineering-II	Old	1.06	0%	0.00
26	Industrial Project and Dissertation	Old	1.06	0%	0.00
27	Life Skills - 1 (Personality Development)	Old	1.06	0%	0.00
28	Value Education & Ethics -1	Old	1.06	0%	0.00
29	Engineering Mathematics - III	Old	1.06	0%	0.00
30	Life Skills - 2 (Aptitude)	Old	1.06	0%	0.00
31	Value Education & Ethics - 2	Old	1.06	0%	0.00
32	Universal Human Values	Old	1.06	0%	0.00
33	Strength of Material	Old	1.06	0%	0.00
34	Building Materials and Construction Technology	Old	1.06	0%	0.00
35	Engineering Surveying	Old	1.06	0%	0.00
36	Engineering Surveying Lab	Old	1.06	0%	0.00
37	Geotechnical Engineering	Old	1.06	0%	0.00

38	Structure Analysis	Old	1.06	0%	0.00
39	Strength of Material Lab	Old	1.06	0%	0.00
40	Reliability Analysis of Structures	Old	1.06	0%	0.00
41	Construction Productivity	Old	1.06	0%	0.00
42	Water Quality Engineering	Old	1.06	0%	0.00
43	Pavement Materials	Old	1.06	0%	0.00
44	Ecological Engineering	Old	1.06	0%	0.00
45	Soil Mechanics-I	Old	1.06	0%	0.00
46	Structure Analysis Lab	Old	1.06	0%	0.00
47	Engineering Risk & Uncertainty	Old	1.06	0%	0.00
48	Building Construction Practice	Old	1.06	0%	0.00
49	Pavement Design	Old	1.06	0%	0.00
50	Environmental Systems	Old	1.06	0%	0.00
51	Pipeline Engineering	Old	1.06	0%	0.00
52	Surface Hydrology	Old	1.06	0%	0.00
53	Construction Engineering Materials	Old	1.06	0%	0.00
54	Public Transportation Systems	Old	1.06	0%	0.00
55	Transport of Water and Wastewater	Old	1.06	0%	0.00
56	Open Channel flow	Old	1.06	0%	0.00
57	Soil Mechanics-II	Old	1.06	0%	0.00
58	Environmental Fluid Mechanics	Old	1.06	0%	0.00
59	Construction Cost Analysis	Old	1.06	0%	0.00
60	Traffic Engineering and Management	Old	1.06	0%	0.00
61	Environmental Laws and Policy	Old	1.06	0%	0.00
62	River Engineering	Old	1.06	0%	0.00
63	Geotechnical Design	Old	1.06	0%	0.00
64	Water Resources Field Methods	Old	1.06	0%	0.00
65	Concrete Materials	Old	1.06	0%	0.00
66	Urban Transportation Planning	Old	1.06	0%	0.00
67	Physico-Chemical Processes for Water and Wastewater Treatment	Old	1.06	0%	0.00
68	Hydraulic modelling	Old	1.06	0%	0.00
69	Structural Geology	Old	1.06	0%	0.00
70	Engineering Hydrology Lab New subject	Old	1.06	0%	0.00
71	Geometric Design of Highways	Old	1.06	0%	0.00
72	Basics of Computational Hydraulics	Old	1.06	0%	0.00
73	Offshore Engineering	Old	1.06	0%	0.00
74	Biological Processes for Contaminant Removal	Old	1.06	0%	0.00
75	Contracts Management	Old	1.06	0%	0.00
76	Advanced Transportation Engineering New subject	Old	1.06	0%	0.00
77	Air and Noise Pollution and Control	Old	1.06	0%	0.00
78	Transients in Closed Conduits	Old	1.06	0%	0.00
79	Railway Engineering	Old	1.06	0%	0.00
80	Urban Hydrology and Hydraulics	Old	1.06	0%	0.00
81	Environmental Geo-Technology	Old	1.06	0%	0.00

82	Introduction to Civil Engineering	Old	1.06	0%	0.00
83	Civil Engineering- Societal and Global Impact	Old	1.06	0%	0.00
84	Professional Practice, Law and Ethics	Old	1.06	0%	0.00
85	Natural Disaster Mitigation and Management	Old	1.06	0%	0.00
86	Engineering Graphics and Design	New	1.06	100%	1.06
87	A Professional's Approach to Law and Ethics	New	1.06	100%	1.06
88	Applied Industrial IoT	New	1.06	100%	1.06
89	Building Information Modeling	New	1.06	100%	1.06
90	Foundation Engineering Practices	New	1.06	100%	1.06
91	Practical Design of Structural Steel Members	New	1.06	100%	1.06
92	Structural Steel Buildings – Design and Practices	New	1.06	100%	1.06
93	Precast Construction Elements and Systems	New	1.06	100%	1.06
94	Project Management for Professionals	New	1.06	100%	1.06
	Total % Change in BoS				10.60


 Head
 Department of Civil Engineering
 JECRC University, Jaipur-303005

Academic Session_2022-23
Changes in BoS for M. Tech.

S. No.	Name of Course in Base Scheme	Subject Type (Old/New)	Weightage (100/No of Subjects)	Percentage Change	Weighted Change
1	Research Methodology	Old	1.31	0%	0.00
2	Research Methodology Lab	Old	1.31	0%	0.00
3	Structural Dynamics	Old	1.31	0%	0.00
4	Bridge Engineering	Old	1.31	0%	0.00
5	Design of Plates and Shells	Old	1.31	0%	0.00
6	Prestressed Concrete Design	Old	1.31	0%	0.00
7	Advanced Design of Steel Structures	Old	1.31	0%	0.00
8	Earthquake Resistant Design	Old	1.31	0%	0.00
9	Theory of Elasticity and Plasticity	Old	1.31	0%	0.00
10	Environmental Lab-I	Old	1.31	0%	0.00
11	Environmental Lab-II	Old	1.31	0%	0.00
12	Applied Environmental Chemistry and Microbiology	Old	1.31	0%	0.00
13	Water Treatment Technology	Old	1.31	0%	0.00
14	Water Resources Engineering and Applied Hydraulics	Old	1.31	0%	0.00
15	Remote Sensing and GIS in Environmental Engineering	Old	1.31	0%	0.00
16	Atmospheric Environmental Pollution and Control	Old	1.31	0%	0.00
17	Ecology and Environmental Impact Assessment	Old	1.31	0%	0.00
18	Wastewater Treatment Engineering	Old	1.31	0%	0.00
19	Solid Waste Management	Old	1.31	0%	0.00
20	Industrial Wastewater Treatment	Old	1.31	0%	0.00
21	Environmental Planning and Management	Old	1.31	0%	0.00
22	Global Warming and Climate Change	Old	1.31	0%	0.00
23	Hazardous Waste Management	Old	1.31	0%	0.00
24	Construction Management Lab	Old	1.31	0%	0.00
25	Construction Technology Lab	Old	1.31	0%	0.00

26	Construction Project Management	Old	1.31	0%	0.00
27	Construction Economics and Finance	Old	1.31	0%	0.00
28	Construction Contracts and Specifications	Old	1.31	0%	0.00
29	Construction Practices and Equipment	Old	1.31	0%	0.00
30	Construction Quality and Safety Management	Old	1.31	0%	0.00
31	Infrastructure Development and Management	Old	1.31	0%	0.00
32	Durability and Repair of Concrete Structures	Old	1.31	0%	0.00
33	Quantitative Methods in Construction Management	Old	1.31	0%	0.00
34	Heating, Ventilation, Air Conditioning (HVAC) Systems and their Applications	Old	1.31	0%	0.00
35	Dissertation Part - II	Old	1.31	0%	0.00
36	Urban Project Management	Old	1.31	0%	0.00
37	Technologies for Sustainability and Sustainable Development	Old	1.31	0%	0.00
38	Advance Concrete and Concrete Mechanics	Old	1.31	0%	0.00
39	Advance Excel Lab	Old	1.31	0%	0.00
40	Project	Old	1.31	0%	0.00
41	Seminar on Proposed Dissertation	Old	1.31	0%	0.00
42	Sustainable Infrastructure	Old	1.31	0%	0.00
43	Constrcution Management	Old	1.31	0%	0.00
44	Advanced Concrete Technology Lab	Old	1.31	0%	0.00
45	Structural Design Lab	Old	1.31	0%	0.00
46	Advanced Concrete Technology	Old	1.31	0%	0.00
47	Advanced Structural Analysis	Old	1.31	0%	0.00
48	Design of High-Rise Structures	Old	1.31	0%	0.00
49	Design of Advanced Concrete Structures	Old	1.31	0%	0.00
50	Design of Industrial Structures	Old	1.31	0%	0.00
51	Pavement Materials lab	Old	1.31	0%	0.00
52	Transportation Planning Lab	Old	1.31	0%	0.00
53	Pavement Materials	Old	1.31	0%	0.00
54	Traffic Engineering and Management	Old	1.31	0%	0.00
55	Transportation Systems Planning	Old	1.31	0%	0.00
56	Pavement Design and Analysis	Old	1.31	0%	0.00
57	Travel Demand Modeling	Old	1.31	0%	0.00

58	Pavement Construction and Maintenance	Old	1.31	0%	0.00
59	Airport Planning and Design	Old	1.31	0%	0.00
60	Railway Infrastructure Planning and Design	Old	1.31	0%	0.00
61	Remote Sensing and Digital Image Processing	Old	1.31	0%	0.00
62	Geo-informatics in Transportation Engineering	Old	1.31	0%	0.00
63	Optimization Methods	Old	1.31	0%	0.00
64	Site Characterization & Instrumentation	Old	1.31	0%	0.00
65	Composite Materials	Old	1.31	0%	0.00
66	Operations Research Application	Old	1.31	0%	0.00
67	Modern Surveying Techniques	Old	1.31	0%	0.00
68	MicroStation Lab	New	1.31	100%	1.31
69	STAAD.Pro	New	1.31	100%	1.31
70	RAM Structural System	New	1.31	100%	1.31
71	OpenRoads ConceptStation	New	1.31	100%	1.31
72	OpenRoads Designer	New	1.31	100%	1.31
73	OpenFlows WaterGEMS	New	1.31	100%	1.31
74	OpenFlows SewerGEMS	New	1.31	100%	1.31
75	SYNCHRO 4D Pro	New	1.31	100%	1.31
76	OpenBuildings Designer	New	1.31	100%	1.31
	Total % Change in BoS				11.79

Head
Department of Civil Engineering
JECRC University, Jaipur-303905

Board of Studies

Meeting held on dated 10-Sept.-2022

Prof. (Dr.) Vivek Anand

(Chair Person).....

Prof. (Dr.) Naveen Hemrajani

(Director, School of Engineering).....

Mr. Anirudh Sharma

(Convenor).....

Mr. Ramvilas Meena

(Member).....

Prof. (Dr.) Gunwant Sharma

(MNIT, Jaipur, External Member).....

Dr. J.K. Jain

(MNIT, Jaipur, External Member).....

Department of Computer Science and Engineering

Minutes of Meeting (BoS)

1. Minutes of the meeting of the Board of Studies held online on 10 September 2022, and in the conference hall of Engineering block, JECRC University Jaipur.
2. The following members attended the meeting.

1 Prof. (Dr.) Naveen Hemrajani	Chairman
2. Dr. Manish Jain (Associate Professor)	Member
3. Dr. Bhavna Sharma (Associate Professor)	Member
4. Dr. Kamlesh Lakhwani (Associate Professor)	Member
5. Mr. Ajay Kumar (Assistant Professor-I)	Special Invitee
6. Dr. Gajanand Sharma (Assistant Professor)	Special Invitee
7. Prof.(Dr.) M C Govil (Director,NIT Sikkim)	External Member (Academics)
8. Mr. Gopal Krishna G S S (Country Head Sales,TCS)	External Member (Industry)

Prof.(Dr.) Naveen Hemrajani, Chairperson (BOS) chaired the meeting and welcomed all the members to the BOS and other faculty members of the department. He welcomed and introduced external members and invited members of BOS also. He expressed his sincere thanks to Prof. Dr. M C Govil (Director-NIT Sikkim) for sparing his valuable time for attending meeting online.

3. After the brief introduction, the agenda items listed below were taken up for discussion.

Agenda of meeting:

1. Review of Schemes and Syllabus of existing programs in department B.Tech.(CSE).
2. Review of Schemes and Syllabus of existing programs in department i.e. MTech.
3. Updation in CO and PO
4. Result Analysis

4. The following emerged from the discussions and course structure of the B.Tech. (CSE) as follows:-

For the batch Inducted in First Semester in 2022 (Batch 2022-2026), following changes made to rationalize the syllabus


- a) Subject **Basic Electrical Engineering (DEL 001A)** with 3 credit is removed from I/II semester.
- b) Subject **Basic Electronics Engineering (DEE 001A)** with 3 credit is removed from I/II semester.
- c) Subject **Basic Electrical and Electronics Engineering (DEE 002A)** with 3 credit is added in second semester.


5. The following Departmental Electives are introduced in the B.Tech. (CSE) as follows: -

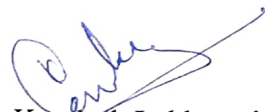
Sr.No.	Course Code	Course Name	Credit	Semester
1	BCO 491A	Introduction to cryptography	3	2
2	BCO 492A	Introduction to cryptography Lab	1	2
3	BCO 493A	Basics of blockchain	3	3
4	BCO 494A	Basics of blockchain Lab	1	3
5	BCO 495A	Applications of Blockchain- Cryptocurrencies	3	4
6	BCO 496A	Applications of Blockchain- Cryptocurrencies Lab	1	4
7	BCO 497A	Competitive Programming	3	5
8	BCO 498A	Smart Contract Development	3	5
9	BCO 499A	Smart Contract Development Lab	1	5
10	BCO 502A	Competitive Programming Lab	1	5
11		Basics of Finance	3	5
12		Basics of Finance Lab	1	5
13	BCO 500A	Next Generation Blockchains	3	6
14	BCO 501A	Next Generation Blockchains Lab	1	6

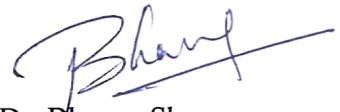
Board of Studies (Department of Computer Science and Engineering)


Board of Studies (Department of Computer Science & Engineering)


Mr. Ajay Kumar
(Special Invitee)

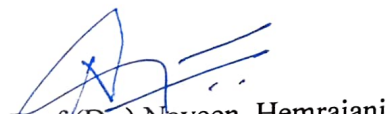

Dr. Gajananand Sharma
(Special Invitee)



Dr. Kamlesh Lakhwani
(Member,CSE)


Dr. Bhavna Sharma
(Member,CSE)


Dr. Manish Jain
(Member,CSE)

Mr. Gopal Krishna G S S
(External Member-Industry)


Prof.(Dr.) Naveen Hemrajani
(Chairperson,CSE)


Prof.(Dr.) M.C. Govil
(External Member-Academics)


Countersignature
Dezn
School of Engineering
JECRC University, Jaipur-303905

Department of Computer Science and Engineering

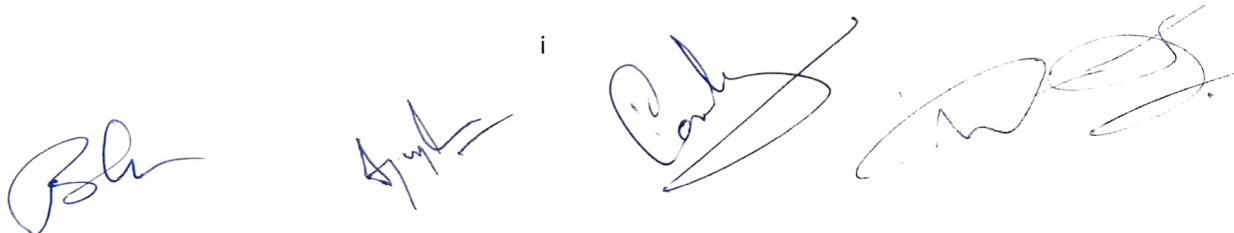
Minutes of Meeting (BoS)

1. Minutes of the Meeting of the Board of Studies, held on 29th May 2023, were meticulously recorded as the session took place in a hybrid format, encompassing both online and offline modes. The esteemed gathering convened in the Board Room, located within the Dean School of Engineering block at JECRC University, Jaipur. The meeting served as a platform for comprehensive discussions and fruitful deliberations on vital matters pertaining to the academic curriculum and related domains. With meticulous attention to detail, the minutes captured the essence of the insightful exchanges, ensuring a comprehensive record of the proceedings for future reference and implementation.

2. The following members attended the meeting.

1 Dr. Bhavna Sharma (Associate Professor)	Chairman
2. Dr. Manish Jain (Professor)	Member
3. Dr. Kamlesh Lakhwani(Associate Professor)	Member
4. Mr. Ajay Kumar(Assistant Professor-I)	Special Invitee
5. Prof.(Dr.) M C Govil (Professor,MNIT Jaipur)	External Member (Academics)
6. Mr. Gopal Krishna G S S (Country Head Sales,TCS)	External Member (Industry)
7. Dean ,SOE	Permanent Invitee

3. Dr. Bhavna Sharma, Chairperson (BOS), took the helm as she gracefully chaired the meeting, extending a warm welcome to all the members of the Board of Studies (BOS) and esteemed faculty members from the department. With great enthusiasm, she introduced the distinguished external members and invited participants of the BOS, recognizing their invaluable contributions. Furthermore, Dr. Sharma expressed sincere gratitude to Prof. Dr. M C Govil, the esteemed Director of NIT Sikkim, for graciously sparing his precious time to attend the meeting online.



4. After the brief introduction, the agenda items listed below were taken up for discussion.


Agenda of meeting:

1. Review of Schemes and Syllabus of existing programs in department B.Tech.(CSE).
2. Review of Schemes and Syllabus of existing programs in department i.e. MTech.
3. Result Analysis

5. **The following emerged from the discussions and course structure of the B.Tech. (CSE) as follows:-**

For the batch Inducted in First Semester in 2023 (Batch 2023-2027), following changes made to rationalize the syllabus

- a) Subject **Computer Programming and Logical Thinking (DCO013A)** worth 3 credits, has been in First semester.
- b) Subject **Computer Programming and Logical Thinking Lab (DCO014A)** worth 1 credit, has been is added in First semester
- c) The subject **Computer Programming in C++ (DCO001A)**, worth 3 credits, has been shifted from the First Semester to the Second Semester
- d) The subject **Computer Programming in C++ Lab (DCO002A)**, worth 1 credit, has been shifted from the First Semester to the Second Semester
- e) The subject **Programming in Java (DCO003A)**, worth 3 credits, has been shifted from the Second Semester to the Third Semester
- f) The subject **Programming in Java Lab (DCO004A)**, worth 1 credit, has been shifted from the Second Semester to the Third Semester
- g) The subject **Operating System (BCO008A)**, worth 3 credits, has been shifted from the Third Semester to the Fourth Semester
- h) The subject **Operating System Lab (BCO014A)**, worth 1 credit, has been shifted from the Third Semester to the Fourth Semester.
- i) Open Elective from Seventh Semester has been removed.
- j) Project (BCO519A) worth 3 credits, has been in First semester.

The bottom of the page features four handwritten signatures in blue ink. From left to right: a signature that appears to be 'Blu', a signature that appears to be 'A. A.', a signature that appears to be 'R. A.', and a signature that appears to be 'T. S.'.

6. During the meeting, Prof. (Dr.) M C Govil, an external member, provided invaluable feedback regarding the curriculum. His suggestions were as follows:

- He emphasized the need to enhance practical learning by increasing the number of hours dedicated to laboratory sessions.
- He recommended certain modifications to the syllabus of Computer Programming and Logical Thinking.
- He proposed the introduction of new subjects such as Cyber Security and Entrepreneurship.
- He suggested converting certain department electives into core subjects, such as Machine Learning, Cloud Computing, and Artificial Intelligence.

We deeply appreciate Prof. Govil's insightful suggestions, as they contribute significantly to the development and improvement of our curriculum. Some of his recommendations have been accommodated, while others will be considered for future inclusion in the Board of Studies' discussions.


7. There is No change in M.Tech.(CSE) Syllabus

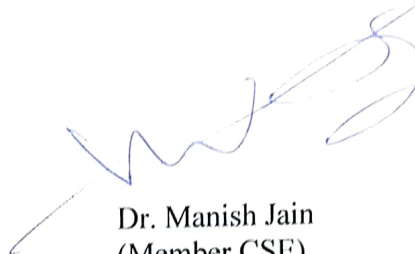


Board of Studies (Department of Computer Science and Engineering)

Board of Studies (Department of Computer Science & Engineering)

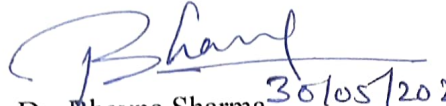

Mr. Ajay Kumar
(Special Invitee)


Dr. Kamlesh Lakhwani
(Member,CSE)


Dr. Manish Jain
(Member,CSE)

Mr. Gopal Krishna G S S (Member,CSE)
(External Member-Industry)


Prof.(Dr.) M C Govil
(External Member-Academics)


Dr. Bhavna Sharma 30/05/2023
(Chairman,CSE)

Countersignature

Prof.(Dr.) Naveen Hemrajani
(Dean, School of Engineering)



Ajay Kumar <ajay.kumar@jecrcu.edu.in>

Invitation for BoS Meeting Online on 29th May 2023

message

Ajay Kumar <ajay.kumar@jecrcu.edu.in>

Sat, May 27, 2023 at 10:18 AM

To: director@nitsikkim.ac.in

Cc: Gajanand Sharma <gajanand.sharma@jecrcu.edu.in>, Kamlesh Lakhwani <kamlesh.lakhwani@jecrcu.edu.in>,

manish.jain@jecrcu.edu.in, "Dr. Bhavna Sharma" <bhavna.sharma@jecrcu.edu.in>, Dean Engineering JECRC

University <dean.engineering@jecrcu.edu.in>

Respected Sir,

Thank you so much for accepting our request to join online for the BoS meeting of the CSE, School of Engineering, JECRC University.

Sir, the Google Meet credentials are mentioned below, you may please join at around 11.00 AM on 29th May 2023

HOD CSE is inviting you to a scheduled **Google Meet** meeting.

Topic: CSE BOS Meeting, JECRC University Jaipur

Time: 29th May 2023 at 11:00 AM India

To join the video meeting, click this link:

<https://meet.google.com/fne-yhqi-mtg>

Otherwise, to join by phone, dial +1 402-782-1845 and enter this PIN: 920 493 870#

Regards

Ajay Kumar

Assistant Professor-I (CSE)

B.E., M.Tech., Ph.D.*

JECRC University, Jaipur

Mob: 9460760848

JECRC UNIVERSITY

Department of Electronics and Communication Engineering

Minutes of the Board of Studies Meeting

1. Minutes of the meeting of the Board of Studies assembled on 26 May, 2023 held in the Conference Hall, Dean's office, Engineering block, JECRC University Jaipur.
2. The following members attended the meeting.

- a. Dr. Dinesh Sethi, Professor & HOD. Electronics and Communication Engineering Department (ECE) -Convener
- b. Dr. Ghanshyam Singh, Professor (ECE), MNIT Jaipur -External Member
- c. Dr. Ram Rattan, Professor, Department of ECE -Member
- d. Dr. K.M.Singh, Professor, Department of ECE -Member
- e. Dr. Vaibhav Jain, Associate Professor, Department of ECE -Special Invitee
- f. Dr. Abhilasha, Assistant Professor, Department of ECE -Special Invitee
- g. Dr. Rahul Jain, Assistant Professor, Department of ECE -Special Invitee

4. At the outset Dr. Dinesh Sethi, Professor & Head, Department of ECE welcomed all the members and briefly apprised about the agenda of the meeting list below: -

- a. Revision of Course Structure of B.Tech (ECE) w.e.f Session 2023-2024
- b. Revision of Course Structure of M.Tech (Communication Systems)
- c. Revision of Course Structure of M.Tech (VLSI & Embedded System)

5. The complete curricula of B.Tech (Electronics and Communication Engineering) course was discussed to rationalize the syllabus and ensure the maximum input is given to the students within the available duration to optimize the utility of various stream. The discussion was mainly focused to ensure that syllabus should be designed in such manner so that all the B.Tech (ECE) students be imparted the requisite interdisciplinary knowledge for effective implementation at a later date. The syllabus was discussed carefully and threadbare to make it more useful from students' point of view to handle the practical scenarios efficiently and apply their knowledge with better understanding in the interrelated and interdependent fields. Following points were discussed and necessary changes have been incorporated for overall optimization of available time with student's the knowledge that is required to be gained.

Ram Rattan

Dinesh
Head
Department of Electronics & Communication Engineering
JECRC University, Jaipur-303905

Rishabh

Rajan

Shrey

In the present scenario, fast changing technology spectrum demand engineering graduate with self-learning abilities and hands on experience to match with the industry demands. Presently, there is too much for the engineering graduates to munch on. They don't get time for anything else than to study the books. The number of credits is being reduced with the objective to prompt young minds to explore the uncharted territories and indulge in self learning of engineering and other subjects of their choice and taste.

6. Collaboration with L&T EduTech-

In the Session 2023-24 Department of ECE got a distinguished Collaboration with LnT, which shall enable us to offer joint degree programs in Electronics and Communication Engineering in association with them.

Important Points of the Collaboration:

1. Program name: "B.Tech. in Electronics and Communication Engineering" in association with LnT Edutech.
2. There would be a total of 10 subjects (30 Credits) during the tenure of 4 years, which shall be taken care of by LnT-Edutech. Partial subjects will be delivered in Offline Mode (at JU Campus) by LnT's subject expert. Each subject shall be integrated with a project for ensuring deeper learning.
3. LnT will be offering internship (immersion at LnT project site for well-performing students) and placement assistance to students enrolled in the joint degree programs.
4. Following new courses were introduced as per LnT guidelines.

S.No	Course	Course Code	Course Credits	Semesters in which to be introduced
1	DM011A	Engineering Graphics and Design	3	I SEM
2	DLW005A	A Professional's Approach to Law and Ethics	3	II SEM
3	DCO008A	Applied Industrial IOT	3	III SEM

Ram Rattan
 Head
 Department of Electronics & Communication Engineering
 JECRC University, Jaipur-303805
 K. Singh

4	BEL097A	Safety for Professional	3	IV SEM
5	DCO009A	Cloud Adoption and Management Techniques	3	V SEM
6	BEE081A	Microprocessors and applications	3	V SEM
7	DCO010A	AI and Edge Computing	3	VI SEM
8	BEE082 A	Renewable Energy and Power Evacuation	3	VI SEM
9	DCI008A	Project Management for Professionals	3	VII SEM
10	BEE086A	FPGA Design for Industrial Applications (VLSI)	3	VII SEM

7. **New course on 5G technologies**- Introducing new course on 5G technologies (based on AICTE directives) as per instructions of Govt of India (department of telecommunication) to prepare a base for indigenous development of 6G-7G in India itself. Details are as follows:

S.No	Course	Course Code	Course Credits	Semesters in which to be introduced
11	BEE080A	5G Technologies	3	VI SEM

8. Following new courses were introduced:

S.No	Course	Course Code	Course Credits	Semesters in which to be introduced
12	BCO035A	Programming in Python	3	V SEM

Meeff

Ram Rathay

Arvind

Rajesh

Head
Department of Electronics & Communication Engineering
JECRC University, Jaipur-303005

[Signature]

[Signature]

9. The following emerged from the discussions and course structure of the B. Tech. (ECE) for the Batches 2022-2026 & 2023-2027 has been designed as follows:-

- (a) The Scheme (Attached) will be adopted from **Batch 2022 onwards**.
 (b) **Total Credits for the Batch 2023-2027= 163 Credits, w.e.f. the session 2023-2027**

Semester	I Sem	II Sem	III Sem	IV Sem	V Sem	VI Sem	VII sem	VIII Sem	Total	Minimum Credit Required to Earn Degree
Total Credits	18	21	24	23	19	19	19	20	163	163

- **Minimum Credit Required= 163**
- **Options can be availed in Department Electives and Open Elective Subjects.**

10. The following emerged from the discussions and course structure of the B. Tech. (ECE) for the Batch 2023-2027 has been designed as follows:-
 Department of Electronics and Communication Engineering Department has been adopted following specialization courses:

1. B. Tech in Electronics and Communication Engineering

- Specializations in
- (i) Communication Engineering
 - (ii) VLSI & Embedded System
 - (iii) Signal Processing
 - (iv) Computer Engineering
 - (v) Artificial Intelligence & Machine Learning

2. M. Tech in Electronics and Communication Engineering
 Specializations in

- (i) VLSI & Embedded System
- (ii) Communication System

Department of Electronics & Communication Engineering
 JECRC University, Jaipur-302005

3. PhD in Electronics and Communication Engineering

11. List of Courses of Specializations (Tracks/Streams)

S.No.	Track/Stream	Course Code	Department Elective 1
	<i>Semester</i>		4
1	Communication Engineering	BAS004B	Random Variables & Stochastic Processes
2	VLSI & Embedded System	BEE071A	Engineering System Modeling and Simulation
3	Signal Processing	BEE013A	Signal and Systems
4	Computer Engineering	BEE016B	Object Oriented Programming
5	AI & Machine Learning	BEE101A	Artificial Intelligence
6	Others	BEE015A	Electromagnetic Field Theory

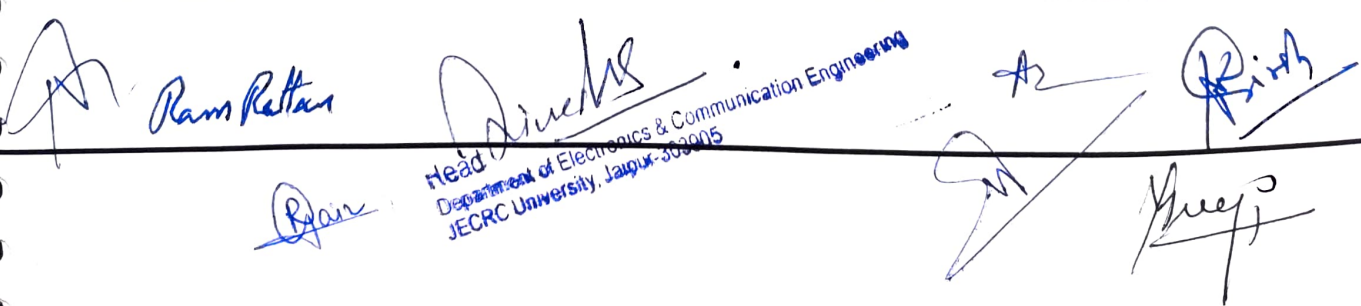
S. No.	Track/Stream	COURS E CODE	Department Elective 2 & 3	COURS E CODE	Department Elective 2 & 3
	<i>Semester</i>		V		V
1	Communication Engineering	BEE025 A	Microwave Theory and Techniques	BEE028 A	Information Theory and Coding
2	VLSI & Embedded System	BEE044 A	Digital Hardware Design	BEE027 A	IC Technology
3	Signal Processing	BEE004 A	Electronic Measurement & Instrumentation	BEE033 A	Digital Signal Processing
4	Computer Engineering	BEE029 A	Computer Organization & Architecture	BEE072 A	Artificial Intelligence and Robotics
5	AI & Machine Learning	BEE102 A	Mathematical Concepts for AI	BEE103 A	Introduction to Machine Learning

Ram Bhatia
 Head of Department of Electronics & Communication Engineering
 JECRC University, Jaipur-303905
 Other signatures: Singh, Rish, and others.

6	Others	BAS005 B	Numerical Methods, Optimization Techniques and Special Functions	BCO010 B	Data Base Management System
		BCO035 A	Programming in Python	DCO00 9A	Cloud Adoption and Management Techniques

S.No.	Track/Stream	COURSE CODE	Department Elective 4 & 5	COURSE CODE	Department Elective 4 & 5
	Semester		6 Sem		6 Sem
1	Communication Engineering	BEE039A	Antennas and Wave Propagation	BEE042A	Radar & Satellite Communication
2	VLSI & Embedded System	BEE041A	Embedded System	BEE068A	Microcontrollers and Embedded system
3	Signal Processing	BEE054A	Adaptive Signal Processing	BEE055A	Speech and Audio Processing
4	Computer Engineering	BEE083A	Operating Systems	BEE082A	Web Designing Techniques
5	AI & Machine Learning	BEE104A	Data and Visual analytics in AI	BEE105A	Optimization Techniques in Machine Learning
6	Others	BEE040A	Optimization Techniques	BEE030A	Power Electronics
		BEE080A	5G Technologies	BEE034A	VLSI Design
		DCO010A	AI and Edge Computing	BEE082 A	Renewable Energy and Power Evacuation

S · N o ·	Track/Stream	COURSE CODE	Department Elective 6	COURSE CODE	Department Elective 7	COURSE CODE	Departme nt Elective 8
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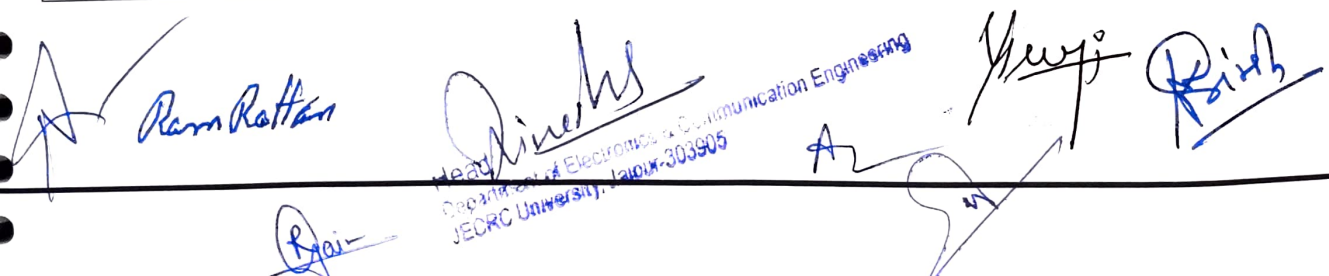


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Semester	7			7		
1	Communication Engineering BEE049 B	Communication Networks	BEE058A	Broad Band Communication	BEE050 B	Fiber Optic Communication
2	VLSI & Embedded System BEE056A	ASIC & FPGA	BEE034A	VLSI Design	BEE069A	Embedded networks and protocol
3	Signal Processing BEE059A	Image & Video Processing	BEE062A	DSP Processors and Applications	BEE086A	FP GA De sig n for Ind ust rial Applications (VLSI)
4	Computer Engineering BEE060A	Artificial neural Network	BEE047A	Embedded Computing System	BEE066A	Telecomm unications and Data Communications
5	AI & Machine Learning BEE106A	Theory of Computation	BEE107A	Advanced Machine Learning	BEE108A	Deep Learning
6	Others BEE057A	Micro Electro Mechanical systems	BEE042A	Radar & Satellite Communication	DCI008A	Project Management for Professionals

12. Following special Courses were included which addresses issues relating to Gender, Environment & Sustainability, Professional Ethics & Human Values as per guidelines of New Education Policy (NEP) .

Course Code	Course Name
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 Ram Rattan
 Department of Electronics & Communication Engineering
 JECRC University, Jaipur-303905
 Yogi
 Raji

DEN001A	Communication Skills
DIN001A	Culture Education - 1
DEN002A	Professional Skills
DIN002A	Culture Education - 2
DEN003A	Life Skills - 1 (Personality Development)
DIN003A	Value Education -1
DMA003A	Life Skills - 2 (Aptitude)
DIN004A	Value Education - 2

13. Revision of Course Structure of M.Tech (VLSI& Embedded System):-

(a) Complete Structure is restructured of Syllabus of M.Tech (VLSI & Embedded System) . Schemes semester wise (Batch 2023-2025) are attached with MoM of BOS.

14. Revision of Course Structure of M.Tech (Communication Systems):-

(a) Complete Structure is restructured of Syllabus of M.Tech (Communication Systems) . Schemes semester wise (Batch 2023-2025) are attached with MoM of BOS.

15. Percentage (%) of programs where syllabus revision was carried out

S.No.	Program Code of revised syllabus	Program name of Revised Syllabus	Year of Revision	Total no of courses in which revision carried out (X)	Total no of courses in the programme (Y)	Percentage (%) of Syllabus content added or replaced = $(X/Y)*100$
1	BEE	B.Tech (Electronics & Communication)	2023-24	12	42	28.57
2	BEE	B.Tech (Electronics & Communication)	2021-22	16	42	38.10
3	MEE	M.Tech (Communication System)	2021-22	7	20	35.00
4	MEE	M.Tech (VLSI Design & Embedded System)	2021-22	7	20	35.00

Ram Rathore

Head
Department of Electronics & Communication Engineering
JECRC University, Jaipur-303905

Prakash

Jeep

Board of Studies (Department of Electronics & Communication Engineering)

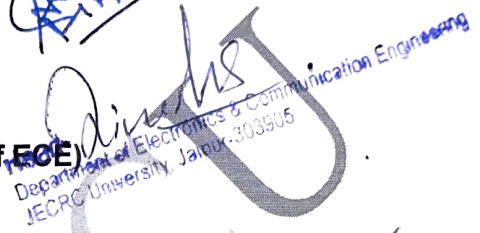
Prof. Ram Rattan
(Member of BOS & Professor, Department of ECE)



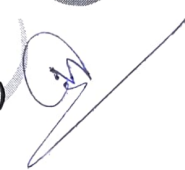
Prof. K.M.Singh
(Member of BOS & Professor, Department of ECE)



Prof. Dinesh Sethi
(Convener of BOS, Professor & HOD, Department of ECE)



Dr. Vaibhav Jain
(Special Invitee of BOS & Associate Professor, Department of ECE)



Dr. Abhilasha
(Special Invitee of BOS & Assistant Professor, Department of ECE)



Dr. Rahul Jain
(Special Invitee of BOS & Assistant Professor, Department of ECE)



Prof. Ghanshyam Singh (External Member)
(Professor, Department of ECE, MNIT Jaipur)



Counter Signature

Prof. Naveen Hemrajani
(Dean, School of Engineering)



JECRC UNIVERSITY
Department of Mechanical Engineering
Minutes of the meeting of the Board of Studies

New subjects are added as follows: A meeting was held on dated 18/09/2022 at 2.00 pm. Following members attended this meeting:

1. Prof. (Dr.) Pankaj Sharma, Professor & HoD, Mechanical Engg.-Convenor
2. Prof. (Dr.) Victor Gambhir, Professor & President- Special Invitee
3. Dr. Naveen Hemrajani - Dean, SOE, Permanent Invitee.
4. Dr. Ajay, Associate Professor, -Member
5. Dr. Kanishk Sharma, Asisstant Professor-I, -Member
6. Dr. G.S. Dangayach, Professor, Mechanical Engineering, MNIT, Jaipur -External Member
7. Mr. K.C. Ajmera, Assistant General Manager, Research & Development N.E.I. Ltd, Jaipur – External Member
8. Mr. Parthasarathi Chakraborti, Head, Talent Acquisition, Larsen & Toubro Ltd.- – External Member

The meeting was held to review the course structure of B.Tech and M.Tech in the department of Mechanical Engineering for the academic session 2022-



Head of Department
Mechanical Engineering
JECRC University, Jaipur-303905


Head of Department
Mechanical Engineering
JECRC University, Jaipur-303905


2026 and following suggestions have been incorporated which are listed as under:- .

1. The following emerged from the discussions and course structure of the B. Tech (ME) has been revised as follows: -
 1. Subject Life Skills – 1 (Personality Development) (DEN003A) with 2 credit is sub-divided into Life Skills – 1 (Personality Development) (DEN003A) and Life Skills – 2 (Personality Development) (DEN003B) with 1 credit in 3rd semester and has been implemented from last year and has been changed into Life Skills – 1 (Personality Development) (DEN003C) with 2 credit now.
 2. Subject Life Skills – 2 (Aptitude) (DMA003A) with 2 credit is sub-divided into Life Skills – 2 (Aptitude) (DMA003A) and Life Skills – 2 (Aptitude) (DMA003B) with 1 credit in 4th semester and has been implemented from last year and has been changed into Life Skills – 2 (Aptitude) (DEN003C) with 2 credit now.
 3. Subject Value Education & Ethics -1 (DIN003A) and Value Education & Ethics -2 (DIN004A) with 1 Credit in 3rd and 4th semester respectively, are considered as a practical subject and have been implemented from last year.
 4. Subject Engineering Materials (BES018A) with 3 credit is removed from 3rd semester.
 5. Subject Industrial Engineering (BME118A) with 3 credit is removed from 4th semester.
 6. Subject Production Engineering (BME115B) with 3 credit is removed from 5th semester.
 7. Department Elective-VI with 3 credit is shifted from 6th semester to 7th semester.
 8. The subject Engineering Materials (BES018A) of three credits is removed from III semester.
 9. The subject Manufacturing Process (BME181A) of three credits is removed from core category of IV semester.
 10. The subject Additive Manufacturing (BME135A) is replaced by subject Manufacturing Process (BME181A) in Department Elective-I of IV semester.
 11. The subject Applied Industrial IoT (DCO008A) of three credits is added in III semester.
 12. The subject Metallurgy (BME152A) of three credits is replaced by Engineering Materials and Metallurgy (BME191A) in Department Elective-I of IV semester.
 13. The subject Manufacturing Lab (BME182A) of one credit is removed from IV semester.
 14. The subject Minor project -1(BME151A) of one credit is removed from IV semester.
 15. The subject Seminar for Major Project (BME158A) of one credit is removed from V semester.
 16. The subject Ambience Control System Design (BME192A) of three credits is added in IV semester.
 17. The subject Industrial Piping & Pipeline Engineering (BME193A) of three credits is added in IV semester.
 18. The Subject Minor Project II (BME157A) is renamed as minor project (BME187A) in V semester.
 19. The subject Power Plant Engineering - An Industrial Context (BME189A) of three credits is added in V semester.

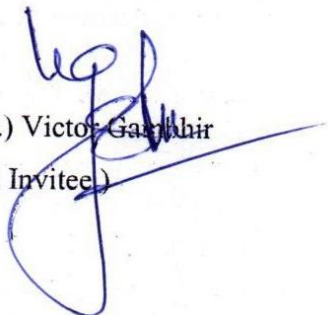
20. The subject Digital Technologies with CPS, IIOT & Cloud in Manufacturing (BME194A) of three credits is added in V semester.
21. The subject Collaborative Robotics in Manufacturing with AI, ML & IIOT (BME195A) of three credits is added in VI semester.
22. The subject Heat Exchangers – Design & Applications (BME196A) of three credits is added in VI semester.
23. Credits for subject Major Project-II (BME165A) is changed from four to three in VI semester.
24. The subject Project Management for Professionals (DCI008A) of three credits is added in VII semester.




Dr. Ajay
(Member)



Dr. Kanishk Sharma
(Member)




Prof.(Dr.) Victor Garg
(Special Invitee)




Prof.(Dr). G.S. Dangayach
(External Member)

Mr. K.C. Ajmera
(External Member)

Mr Parth Sarthi Chakraborti
(External Member)



Prof.(Dr) Pankaj Sharma
(HOD& Chairperson)



Prof.(Dr.) Naveen Hemrajani
(Invited Member)

Comparative Analysis of Subject Weightage and Changes in Course Structure of B.Tech. Program

S. No.	Subject Code	Name of course in base scheme	Subject type (old/new)	Weightage (100/no of subjects)	Percentage change	Weighted change	Page No.
1	DME001A	Engineering Graphics with AutoCAD	old	1.47	0%	0.00	1
2	DME011A	Engineering Graphics and Design	New	1.47	100%	1.47	3
3	DLW005A	A Professional's Approach to Law and Ethics	New	1.47	100%	1.47	5
4	DME010A	Engineering Workshop (diff Module)	New	1.47	100%	1.47	7
5	DEN003C	Life Skills - 1 (Personality Development)	old	1.47	50%	0.74	7
6	DIN 003A	Value Education and Ethics - 1	old	1.47	0%	0.00	8
7	BES016A	Solid Mechanics	old	1.47	0%	0.00	10
8	BES017A	Thermodynamics	old	1.47	0%	0.00	13
9	DCO008A	Applied Industrial IoT	New	1.47	100%	1.47	16
10	BME131A	Mechanisms & Machines	old	1.47	0%	0.00	18
11	BME004B	Solid Mechanics Lab	old	1.47	0%	0.00	21
12	BME005B	Computer Aided Machine Drawing Lab	old	1.47	0%	0.00	22
13	DMA003C	Life Skills - 2 (Aptitude)	old	1.47	50%	0.74	24
14	DIN 004A	Value Education and Ethics - 2	old	1.47	0%	0.00	26
15	BME108B	Design of Machine Elements I	old	1.47	0%	0.00	29
16	BME181A	Manufacturing Processes	old	1.47	0%	0.00	31
17	BME009B	Fluid Mechanics and Machines	old	1.47	0%	0.00	34
18	BME192A	Ambience Control System Design	New	1.47	100%	1.47	37
19	BME193A	Industrial Piping & Pipeline Engineering	New	1.47	100%	1.47	40
20	BME132A	Mechanisms & Machines Lab	old	1.47	0%	0.00	42
21	BME191A	Engineering Materials and Metallurgy	old	1.47	0%	0.00	43

22	BME153A	Steam & Power Generation	old	1.47	0%	0.00	45
23	BME149B	Total Quality Management	old	1.47	50%	0.74	47
24	BME012B	Fluid Mechanics & Machines Lab	old	1.47	0%	0.00	49
25	BME154A	Manufacturing Technology	old	1.47	0%	0.00	51
26	BME155A	Strength of Materials	old	1.47	0%	0.00	53
27	BME189A	Power Plant Engineering - An Industrial Context	new	1.47	100%	1.47	55
28	BME194A	Digital Technologies with CPS, IIOT & Cloud in Manufacturing	new	1.47	100%	1.47	58
29	BME159A	Non-Destructive Evaluation & Testing	old	1.47	0%	0.00	60
30	BME142A	Computer Aided Design	old	1.47	0%	0.00	62
31	BME124B	Non-Conventional Energy Resources	old	1.47	0%	0.00	64
32	BME160A	Process Planning & Cost Estimation	old	1.47	0%	0.00	66
33	BME161A	Modelling and simulation of Mfg. Systems	old	1.47	0%	0.00	68
34	BME114B	Design of Machine Elements II	old	1.47	0%	0.00	70
35	BME162A	Solar & Nuclear Power Engineering	old	1.47	0%	0.00	72
36	BME163A	Industrial and Operation Management	old	1.47	0%	0.00	74
37	BME156A	Manufacturing Technology Lab	old	1.47	0%	0.00	75
38	BME180A	Heat Transfer	old	1.47	0%	0.00	77
39	BME195A	Collaborative Robotics in Manufacturing with AI, ML & IIOT	new	1.47	100%	1.47	79
40	BME196A	Heat Exchangers – Design & Applications	new	1.47	100%	1.47	81
41	BME135A	Additive Manufacturing	old	1.47	0%	0.00	83
42	BME166A	Non-Conventional Machining Processes	old	1.47	0%	0.00	86
43	BME038B	Finite Element Analysis	old	1.47	0%	0.00	88
44	BME179A	Energy Conservation & Management	old	1.47	0%	0.00	90
45	BME028C	Quality Control and Reliability	old	1.47	0%	0.00	93

46	BME168A	<i>Product Design for Manufacturing</i>	<i>old</i>	1.47	0%	0.00	95
47	BME169A	<i>Design of Transmission System</i>	<i>old</i>	1.47	0%	0.00	97
48	BME171A	<i>Supply Chain and Logistic Management</i>	<i>old</i>	1.47	0%	0.00	99
49	BME172A	<i>Flexible Manufacturing System</i>	<i>old</i>	1.47	0%	0.00	101
50	BME021B	<i>Mechanical Vibration</i>	<i>old</i>	1.47	0%	0.00	103
51	BME175A	<i>Introduction to Power Plant Engineering</i>	<i>old</i>	1.47	0%	0.00	105
52	BME173A	<i>Plant Layout & Material Handling</i>	<i>old</i>	1.47	0%	0.00	107
53	BME024B	<i>Heat and Mass Transfer Lab</i>	<i>old</i>	1.47	0%	0.00	109
54	BME126A	<i>Finite Element Analysis Lab</i>	<i>old</i>	1.47	0%	0.00	111
55	BME026B	<i>Automobile Engineering</i>	<i>old</i>	1.47	0%	0.00	113
56	DCI008A	<i>Project Management for Professionals</i>	<i>new</i>	1.47	100%	1.47	115
57	BME144A	<i>Computer Aided Manufacturing</i>	<i>old</i>	1.47	0%	0.00	117
58	BME178A	<i>Design of Composite Materials</i>	<i>old</i>	1.47	0%	0.00	119
59	BME117B	<i>Internal Combustion Engine</i>	<i>old</i>	1.47	0%	0.00	122
60	BME176A	<i>Production Planning & Control</i>	<i>old</i>	1.47	0%	0.00	124
61	BME177A	<i>Tribology & Maintenance</i>	<i>old</i>	1.47	0%	0.00	127
62	BME092A	<i>Dynamic Design of Mechanical System</i>	<i>old</i>	1.47	0%	0.00	129
63	BME123B	<i>Refrigeration & Air Conditioning</i>	<i>old</i>	1.47	0%	0.00	131
64	BME027B	<i>Operation Research</i>	<i>old</i>	1.47	0%	0.00	134
65	BME029B	<i>Automobile Engineering Lab</i>	<i>old</i>	1.47	0%	0.00	137
66	BME022B	<i>Computer Aided Manufacturing Lab</i>	<i>old</i>	1.47	0%	0.00	139
67	BME121B	<i>Internal Combustion Lab</i>	<i>old</i>	1.47	0%	0.00	141
68	BME023A	<i>Mechanical Vibration Lab</i>	<i>old</i>	1.47	0%	0.00	143
69	BME125A	<i>Refrigeration & Air Conditioning Lab</i>	<i>old</i>	1.47	0%	0.00	145
	Average Change					18.38	

Comparative Analysis of Subject Weightage and Changes in Course Structure of M.Tech. Program

S.No.	Subject Code	Name of course in base scheme	Subject type (old/new)	Weightage (100/no of subjects)	Percentage change	Weighted change	Page No.
1	DMA017A	Research Methodology	old	7.69	0%	0.00	147
2	MME102B	Advance Manufacturing Process I	old	7.69	0%	0.00	149
3	MME103B	Industrial Engineering	old	7.69	0%	0.00	150
4	MME104B	Advanced Engineering Materials	old	7.69	0%	0.00	151
5	MME105B	Advanced Manufacturing Process Lab I	old	7.69	0%	0.00	153
6	DMA018A	Research Methodology Lab	old	7.69	0%	0.00	153
7	MME215A	Rapid Prototyping and Tooling	New	7.69	100%	7.69	155
8	MME216A	Advanced Tribology	New	7.69	100%	7.69	158
9	MME220A	Computer Integrated Manufacturing	old	7.69	0%	0.00	161
10	MME221A	Experimental Methods	New	7.69	0%	0.00	169
11	MME223A	Flexible Manufacturing System	New	7.69	0%	0.00	167
12	MME217A	Computer Integrated Manufacturing Lab	old	7.69	0%	0.00	163
13	MME218A	Rapid Prototyping and Tooling Lab	New	7.69	0%	0.00	165
	Average Change					15.38	

Minutes of Meeting of BoS Held On 8/09/2022

School Of Law, JECRC University, Jaipur

Minutes of the Board of Studies (B.O.S.)

Date: 8/09/2022

Meeting of BOS was held on 8th August 2022 under the chairmanship of Dean Prof. Mahesh Koolwal and the following member's were present:

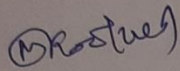
1. Prof. Mahesh Koolwal	Chairman
2. Dr Namita Jain,	Member Secretary
3. Dr Tulika Singh,	Member
4. Ms Namita Jain	Member
5. Mr. Abhishek Singh Devanda	Special Invitee ,Faculty,SoL
6. Prof. Manju Koolwal	External Member

Meeting was held at 3:00pm in the Dean Office. Several Discussions and deliberation were made among the member and some suggestions were made by external members and that duly incorporated in the syllabi:

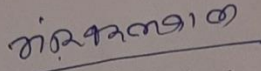
1. Reshuffling of Course for the Batch 22-27 because there was a need to teach them in earlier semester as they help them in internships and mootings.
2. Few new subject's were added:
 - a. Legal English (BAL092A/BSL092A/BBL092A)
 - b. General English (BAL093A/BSL093A/BBL093A)
 - c. Local Self Government in India (BAL095A/BSL095A/BBL095A)
 - d. Sports and Media Law (BAL096A/BSL096A/BBL096A)
 - e. Probation and Parole (BAL097A/BSL097A/BBL097A)
 - f. Political Science-II (BAL031A)
 - g. Money and Finance (BBL098A)
3. Syllabus of following subjects has been changed up to 100% as the amendments has been made in the respective subjects:
 - a. Labour Law –I (BAL039B/BSL039B/BBL039B)
 - b. Labour Law –II (BAL045B/BSL045B/BBL045B)
 - c. Principal of Management-II(Marketing) (BBL0011A)
4. Syllabus of following subjects has been changed up to 50% as the amendments has been made in the respective laws:
 - a. Law on Transfer of Property, Easement, Trust and Equity (BAL053A/BSL053A/BBL053A)
 - b. Cyber Law and AI (BAL064A/BSL064A/BBL064A)
 - c. Economics-I (BAL004A/BBL003A)
 - d. Economics-II (BAL010A/BBL011A)
5. Syllabus of following subjects has been changed up to 25% as the amendments has been made in the respective subjects:
 - a. Law of Contract-I (BAL022A/BSL022A/BBL022A)

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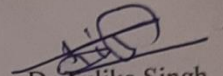
- b. Law of Contract-II (BAL032A/BSL032A/BBL032A)
 - c. Forensic Science and Criminal Investigation (BAL041A/BSL041A/BBL041A)
 - d. Land Laws (BAL083A/BSL083A/BBL083A)
 - e. Political Science (BAL083A/BSL083A/BBL083A)
6. Company Law I and II has been merged in one subject Company Law as in the specialisation we have Corporate Law.
 7. SoL introduced 3 Open elective viz IPR, Cyber Law & AI, Consumer Protection & RTI.
 8. Now we are offering specialisation from VII Semester instead of VII semester.
 9. From now onwards in the even semester in the internal marks we will conduct internships Viva and in odd semesters the internal marks will be given on the basis of assignment which are given in order to encourage research among the students .(From second Year)



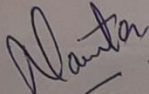
Prof Mahesh Koolwal
(Dean SoL)



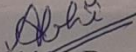
Prof Manju Koolwal
(External Member)



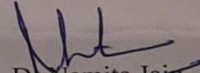
Dr Tulika Singh
(Member)



Ms Namita Jain
(Member)



Mr Abhisek Devanda
(Member)



Dr Namita Jain
(Member Secretary)

JECRC UNIVERSITY JAIPUR

School of Mass Communication

Minutes of Meeting

Sept 28, 2021

The BOS meeting 2021, chaired by the Head of department Mr. Shailendra Pratap Singh Bhati, was held at the Department on Sept 27, 2021.

The faculty members present in the meeting were;

1. Sh. Shailendra Pratap Bhati (Convener)
2. Sh. Manish Arya (Member)
3. Sh. ShashuatVashishtha(Member)
4. Dr. Narendra Kaushik (Member Invitee)

External member :

1. Dr. L.P Pant (External member)
2. Prof.(Dr.) Subhash Dhulia (External member)

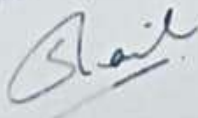
The Agenda of the meeting was as below;

1. To vet and update the BA (JMC) & to make MA(JMC) syllabus.

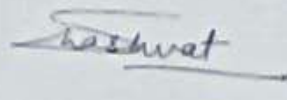
Minutes of the meeting:

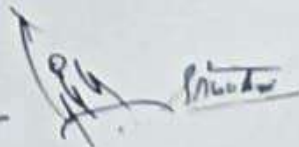
1. Sh.. ShashuatVashishtha started the meeting by welcoming the External member & faculty members.
2. Dean Dr. Narendra Kaushik introduced the external member & Faculty members.
3. HoD Sh. Shailendra P. Singh. Bhati placed the draft of the BOS syllabus before the external & internal members.
4. Prof. Subhash Dhulia gave the following suggestions for amendment: -
 - a) For WFM paper, addition of topics like fairness, objectivity, and sourcing, book reading, vocabulary building, and studying newspapers etc.


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JECRC University, Jaipur-303995









- b) For Socio-economic and cultural studies, addition of topic 'future of democracy and freedom, inter cultural communication, modernization and westernization'.
 - c) For Media laws and ethics, inclusion of case studies.
 - d) For Development communication, inclusion of contemporary literature.
 - e) For Public relations, addition of image management and perception management.
 - f) For Media research, addition of dissertation writing.
 - g) For Media literacy & Analysis, addition of manufacturing consent, governing concept of news reporting tools, meaning of media message, schools of content development, emergence of creativity, and critical thinking.
 - h) For film appreciation, addition of how concept of entertainment has emerged and its changing contours.
5. All the suggestions have been taken by the Board of Studies members. Convener Mr. Shailendra Pratap Singh Bhati assured external member for the incorporation of suggestions in the curriculum.

Mr. Shailendra P. Singh Bhati gave vote of thanks to all the faculty members and External members present in the meeting.

Submitted by

Manish Arya

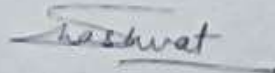
Assistant professor

School of Mass Communication

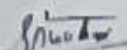

School of Mass Communication
JECRC University, Jaipur-303005











7. Dean, Prof. Narendra Kaushik explained the reason of proposing these SWAYAM courses. It is as suggested by National Education Policy.
 8. It is proposed that, course 'Functional Exposure Report' (BJM 505A) to keep as it is, as this is One month Summer Training Report of Internship already pursued by the students in their IV semester Summer vacations. It comprises of 4 credits.
 9. Prof. Sunil Saxena and Dr. L.P Pant appreciated the proposal of adding SWAYAM courses in regular degree courses to enhance the self-learning eco- system.
 10. Prof. Atanu Mohapatra gave the following suggestions for amendment:
 - a) Prof. Atanu also appreciated the amendments, and advised to accept more interdisciplinary courses.
 - b) For further improvements, he suggested to add more courses of providing theoretical aspects, and less courses of Lab courses.
 11. Prof. Narendra Kaushik proposed that, if student score more than 148 credits in all semesters in total, then the students will be able to get their Honors degree of BA (JMC) program.
 12. All the suggestions have been taken by the Board of Studies members. Convener Mr. Shailendra Pratap Singh Bhati assured external member for the incorporation of suggestions in the curriculum.
- Mr. Manish Arya gave vote of thanks to all the faculty members and External members present in the meeting.

Submitted by

Manish Arya
Assistant professor
School of Mass Communication



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School of Mass Communication

Minutes of Meeting

January 06, 2022

The BOS meeting 2022, chaired by the Head of department Mr. Shailendra Pratap Singh Bhati, was held at the Department on January 06, 2022.

The faculty members present in the meeting were;

1. Sh. Shailendra Pratap Bhati (Convener)
2. Sh. Manish Arya (Member)
3. Sh. ShashuatVashishtha(Member)
4. Dr. Narendra Kaushik (Member Invitee)

External member :

1. Prof. Atanu Mahapatra (External member)
2. Prof. Sunil Saxena (External member)

The Agenda of the meeting was as below;


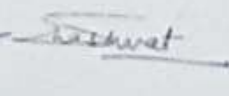
1. To form the syllabus and study scheme of MA (JMC).

Minutes of the meeting:

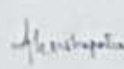
1. Dean Dr. Narendra Kaushik started the meeting by welcoming the External member & faculty members.
2. Dean Dr. Narendra Kaushik introduced the external member & Faculty members.
3. HoD Sh. Shailendra P. Singh. Bhati placed the draft of the BOS syllabus before the external & internal members.
4. Prof. Atanu Mahapatra and Prof. Sunil Saxena gave the following suggestions for amendment: -

- a) It was advised to change the nomenclature of 'Communication Theory and Research' to 'Introduction to Communication' (MJM001A). It was to separate the content of Media Research and


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mmunication Models.

- b) It was suggested to shift 'Business Journalism' from MA(JMC) first semester to third semester.
 - c) It was told to shift 'Contemporary Media Study' from MA(JMC) third semester to first semester.
 - d) It was suggested to shift 'Multimedia Journalism' from MA(JMC) second semester to third semester.
 - e) It was told to shift 'Global Media Issues' from MA(JMC) third semester to first semester.
 - f) It was suggested to reduce the total number of credits i.e. from 92 credits to 88 credits.
 - g) It was suggested to reduce the credit of 'Journalism History and ethics' from 4 credits to 2 credits only.
 - h) It was suggested to reduce the credit of 'Development Communication' from 4 credits to 2 credits only.
 - i) It was suggested to add some Open electives for holistic development of the students.
 - j) It was suggested to add another course of 'Research ethics' of 2 credits.
5. Mr. Shailendra introduced the study scheme of BA(JMC) program of BOS 2022.
6. Then, he proposed the 12-SWAYAM courses against 7-regular courses for BA(JMC) program batch 2022.

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Shailendra Kumar [Signature] [Signature] [Signature] [Signature]

JECRC UNIVERSITY JAIPUR

School of Mass Communication

Minutes of Meeting

July 22, 2023

The BOS meeting 2023, chaired by the Head of department Mr. Shailendra Pratap Singh Bhati , was held at the Department on July 22, 2023.

The faculty members present in the meeting were;

1. Sh. Shailendra Pratap Bhati (Convener)
2. Sh. Manish Arya (Member)
3. Sh. ShashuatVashishtha(Member)
4. Dr. Narendra Kaushik (Member Invitee)

External member :

1. Prof. Atanu Mohapatra (External member)
2. Prof. Sunil Saxena (External member)

The Agenda of the meeting was as below;

1. To update the BA (JMC) & MA(J&MC) syllabus.

Minutes of the meeting:

1. Mr.Manish Arya started the meeting by welcoming the External member & faculty members.
2. Head of the Department introduced the external member & faculty members.
3. HoD Sh. Shailendra P. Singh. Bhati & Prof.Narendra Kaushik placed the draft of the BOS syllabus before the external & internal members.
4. Prof. Sunil Saxena gave the following suggestions for amendment in BA(J&MC) & MA(J&MC) syllabus.: -
 - a) He appreciate BA(J&MC) syllabus & said that our 1st semester syllabus is well organised syllabus and ask about professional skills & cultural education curriculum.


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- b) For Media Law & Ethics dissemination of credits is not in proper manner.
 - c) Correction in Media Internship, the subject is not arrange in semester wise.
 - d) He suggested that the syllabus of masters is being specific because the duration of course have limited time duration.
 - e) He suggested for adding more specialisation subject for masters curriculum.
5. All the suggestions have been taken by the Board of Studies members. Convener Mr. Shailendra Pratap Singh Bhati assured external member for the incorporation of suggestions in the curriculum.

Mr. Manish Arya gave vote of thanks to all the faculty members and External members present in the meeting.

Submitted by
Shashvat Vashishtha
Assistant professor
School of Mass Communication

Shailendra Pratap Singh Bhati *Manish Arya* *Shashvat Vashishtha* *Manish Arya* *Shailendra Pratap Singh Bhati* *Manish Arya*

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Dean
School of Mass Communication
JECRC University

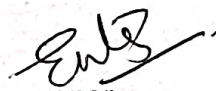
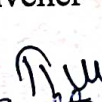
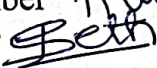
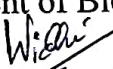

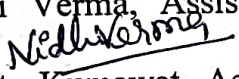
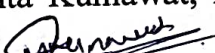
JECRC UNIVERSITY, JAIPUR

School of Sciences

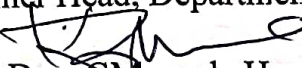

Minutes of Meeting

Minutes of Meeting of Board of Studies of Biotechnology held on 30th December, 2022 in the Boardroom, Ground floor, Vikram Sarabhai Bhawan at 12:30 PM regarding the revision of final syllabi & credits of the courses in B.Sc.& M.Sc. Biotechnology under school of Sciences incorporating the changes/modifications as per Choice Based Credit System under Learning Outcomes based Curriculum Framework (LOCF) of UGC guidelines & suggestions given by stakeholders catering industry demand for the session 2022-23.

The following members attended the meeting

1. Dr. Ekta Menghani, Professor and Head, Department of Biotechnology, Convener BOS 
2. Dr. Hardik Pathak, Associate Professor, Department of Biotechnology, Member 
3. Dr. Ruchi Seth, Associate Professor, Department of Biotechnology, Member 
4. Dean, School of Science – Permanent Invitee 
5. Prof. Vidya Patni, Professor, Department of Biotechnology, Invited member 
6. Dr. Nidhi Verma, Assistant Professor I, Department of Biotechnology, invited member 
7. Dr. Mamta Kumawat, Assistant Professor I, Department of Biotechnology, invited member 

External Members

8. Prof. K.P. Sharma, Professor and Former Head, Department of Botany, University of Rajasthan, Jaipur. External Member 
9. Dr. Shamkant Bhaskar Badgujar, Dy. GM and Head, R&D, Native Antigen Laboratory, Advy Chemical Pvt. Ltd. Thane, Maharashtra – External Industry 

Member

Dr. Shamkant B. Badgujar

1. At the onset Convener welcomed all the Board Members.
2. The Convener Prof. (Dr) Ekta Menghani briefly apprised the agenda of the meeting to revise/update the final syllabi and credits of the courses in B.Sc. and M.Sc. Biotechnology in the academic session 2022-23 incorporating the changes/modifications as per Choice Based Credit System under Learning Outcomes

based Curriculum Framework (LOCF) of UGC guidelines & suggestions given by stakeholders catering industry demand for the employability of the students.

3. As per new LOCF framework curriculum of B.Sc. (Hons.) Biotechnology syllabus has been revised from the session 2022 – 2023 with same fee structure.
4. An Internal curriculum committee (ICC) of Department drafted the curriculum and then it sent all faculty members for their feedback.
5. Approx 1.40% revision has been achieved in core courses (CC) such as introduction of Cell and Molecular Biology (BMI070A) instead of old Cell biology subject. Two open electives were reduced from the scheme so 2.8% revision.
6. Proteomic and Genomics (BBI047B) syllabus is also revised (1.40%)
7. As per the present requirement Two new Departmental Elective streams were also added i.) Bioinformatics and ii.) Nanotechnology, Each DE possess a track of seven subjects so total 14 new subjects were incorporated ($14 \times 1.4 = 19.6\%$). A total of 25.2% revision in syllabus has been completed in B.Sc. Biotechnology.
8. According to the new syllabus scheme open elective I and open elective II offer in semester III & semester IV respectively, prior both the open electives I & II were offered in semester III only.

In the end the Convener expressed profound gratitude to the experts for spending so much time for the University.

The meeting ended with vote of thanks to the chair.

Thanks, and Regards



Prof. (Dr.) Ekta Menghani

Convener, BOS Biotechnology

Head, Department of Biotechnology

Copy To,

1. The Registrar
2. External Expert (Industry expert via email)
3. Dean, School of Science
4. Invited members and other Members

JECRC UNIVERSITY, JAIPUR

Dated: 15.11.2021

Minutes of Meeting

A meeting of Board of Studies of Chemistry was conducted on 15 November 2021 at 2.30 pm in Board Room, Engineering Block.

The agenda of meeting was to **Revise the syllabi of UG and PG courses in Chemistry.**

Members BOS

Prof. Sonu Pareek

Prof. S.K. Sharma

Prof. Sapna Sharma

Dr. Saurabh Dave

Dr. Aruna Sharma

Chairperson

Member

Member

Member

Member

External Members:

1. Prof. M.P. Dhobal, Ex-Professor University of Rajasthan, Jaipur
2. Dr Asmita Sharma, Assistant Manager, Research & Development, Pidilite Industries, Mumbai
3. (online)

The recommendations of the members are as follows-

1. A New B.Sc. Chemistry Syllabus was designed as per UGC LOCF in several meetings, proof was approved in pre BOS with minor revisions and finally approved by BOS members in today's BOS meeting.
2. Specialized papers with seven different field of Chemistry were introduced and approved by all to make B.Sc. syllabus more Industry relevant.
3. A new B.Sc. Pass course syllabus of Chemistry was designed as per UGC LOCF in several meetings, proof was approved in pre BOS with minor revisions and finally approved by BOS members in today's BOS meeting.

4. A series of new codes was introduced in which BCH(Chemistry Hons B.Sc.), MCH(M.Sc.), BSC(Pass course)and DCH(open electives and common papers offered by Chemistry Department) was incorporated in new scheme.
5. The suggestions to revise the syllabus of B.Sc. Chemistry Major, M.Sc. Chemistry, which were proposed earlier in Pre BOS meeting on 7.07.2021 were placed before external members.
6. On the basis of the suggestions and feedback given by faculty and students, revisions in syllabus of all the courses was reviewed, relevance of revisions was also discussed in detail incorporated
7. On the basis of the suggestions of faculty other stake holders, Minor revisions were proposed in M.Sc. Chemistry syllabus and all the changes were approved by BOS.

At the end of meeting chairperson expressed gratitude to external members and thanked all the members of Board of Studies.



Prof. Sonu Pareek
HOD Chemistry

JECRC UNIVERSITY

Date:30.12.2022

Minutes of Meeting

A meeting of Board of Studies of Chemistry was conducted on December 31, 2022 at 11:30 am in Board room, Vikram Sarabhai Bhawan.

Agenda: Revision of syllabi of UG and PG courses in Chemistry.

Members BoS

Prof. Sonu Pareek

Chairperson

Prof. Sanjay K. Sharma

Member

Prof. Sapna Sharma

Member

Prof. Saurabh Dave

Member

Dr. Aruna Sharma

Member

External members

1. Prof. M.P. Dhobal: Ex-Professor and Head, University of Rajasthan, Jaipur
2. Dr. Asmita Singh ONLINE



The recommendation of the members are as follows:

1. Green Chemistry paper was introduced in B.Sc. Hons syllabus in place of Analytical in B.Sc. Sem. II
2. Analytical (DSE-1) is inserted instead of Green Chemistry in B.Sc. Sem. IV syllabus
3. DSE-3 (Applied Chemistry in Everyday Life) common for all tracks in B.Sc. Sem. V Hons
4. Minor changes were made in M.Sc. Syllabus
5. Enrollment in SWAYAM and MOOC Courses for students were approved.

At the end of the meeting Chairperson expressed gratitude to external members and thanked all the members of Board of Studies.



Prof. Sonu Pareek
HOD Chemistry

JECRC UNIVERSITY, JAIPUR

Department of Forensic Science

Minutes of Meeting

Minutes of Meeting of Board of Studies of Forensic Science held on 28th December, 2022 in the Boardroom, Ground floor, Engineering Block at 10:00 AM regarding the revision of final syllabi & credits of the courses in B.Sc. Forensic Science under school of Sciences incorporating the changes/modifications as per Choice Based Credit System under Learning Outcomes based Curriculum Framework (LOCF) of UGC guidelines & suggestions given by stakeholders catering industry demand for the session 2022-25.

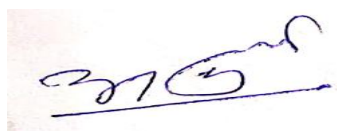
The following members attended the meeting-

1. Dr. Rajesh Yadav, (Associate Professor & Head) – Convener BOS
2. Ms. Vaishnavi Thakre (Assistant Professor-II)- Member
3. Mr. Bhupeshkumar Nanhe(Assistant Professor-II)- Invited Member
4. Prof. (Dr) Widhi Dubey (Professor & Dean, School of Sciences) – Permanent Invitee

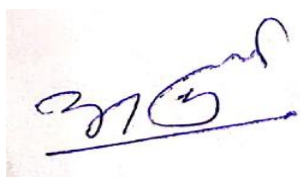
External Members

5. Dr. Ashish Badiye, Head & Assistant Professor, Department of Forensic Science, Govt. Institute of Forensic Science, Nagpur
6. Dr. Anand Kumar, Assistant Director (DNA), State Forensic Science Laboratory, Rajasthan

1. At the onset Convener welcomed all the Board Members.
2. The Convener Dr Rajesh Yadav briefly apprised the agenda of the meeting to revise the final syllabi and credits of the courses in B.Sc. Forensic Science in the academic session 2022-25 incorporating the changes/modifications as per Choice Based Credit System under Learning Outcomes based Curriculum Framework (LOCF) of UGC guidelines & suggestions given by stakeholders catering industry demand for the employability of the students.



3. New revised syllabus inculcates self-learning, lifelong learning, relearning and unlearning among students.
4. The Syllabus of B.Sc. (Hons) Forensic Science for Academic Session 2022-2025 is also revised by removing few topics and adding new topics as per the suggestions of stakeholders and BOS members.
5. In new scheme of Semester, I, Basic Forensic Chemistry (BFO053A) is modified by adding the topics – Forensic analysis of Gold, Silver and Tobacco and topics like physical chemistry and Periodic Properties are removed.
6. In semester I, the course Basic Forensic Chemistry Lab (BFO054A) all the practicals are replaced by Basic Forensic Chemistry Practical's.
7. In semester II, the course Forensic Anthropology (BFO057A) is revised by removing the topic of somatoscopy and craniometric methods.
8. In semester II, the course Forensic Physics (BFO061A) is completely revised along with two previous topics introduction of speaker identification and tape authentication.
9. In semester II, the course Basic Forensic Physics Lab (BFO062A) all the practical's are replaced by Forensic Physics Practical's.
10. In semester III, the course the subject criminalistics (BFO065A) syllabus is completely revised as per the forensic aspect.
11. In semester IV, in paper of forensic serology (BFO067A) is revised by adding the topics such as electrophoresis.
12. In semester IV, in Forensic toxicology (BFO073A) is revised by adding the few topics such as medicolegal aspects of toxicology and also some topics like barbiturates, diazepam, benzodiazepines were removed.
13. In semester VI, the course instrumentation (BFO076A) is revised by adding topics such as GC-MS, HPLC, NAA, NMR etc.
14. The drafted syllabi was reviewed by the experts and accordingly the suggestions were discussed, which in the final revised syllabi are incorporated. As per the suggestions of the experts few of the topics as per relevancy in other units are reshuffled and added and few topics are removed so as to reduce the content in some of units of the courses keeping in mind that at the graduate level it should be limited so that there can be a scope for higher education.
15. The expert, Dr. Ashish Badiye, Govt. Institute of Forensic Science, Nagpur, joined the meeting virtually via Zoom platform.
16. The expert, Dr. Anand Kumar, Assistant Director (DNA), State Forensic Science Laboratory, joined the meeting in university campus.
17. The experts appreciated the incorporation of ECC certifications mentioning that this is going to be the University's USP.



Widhi


Chandra



18. The scheme and the drafted syllabi were circulated among all the board members for their perusal and final consent. The External experts as well as other members went through the scheme discussed among them and looked through the revised syllabi drafted and presented.
19. The suggestions given by external experts and other board members were incorporated and after modifications the syllabi were finally approved.
20. In the end the Convener expressed profound gratitude to the expert for spending time for the University.

The meeting ended with vote of thanks to the chair.

Thanks & Regards


Dr Rajesh Yadav
Convener & Head
Department of Forensic Science

Copy to:

1. The Registrar
CC.
2. The
President



JECRC University
Department of Mathematics

Minutes of the meeting

Date: 19-12-2022

A meeting of Board of Studies (Mathematics) held on 19-12-2022 at 1:00 PM to propose the revise syllabi of B.Sc. and M.Sc. Mathematics and statistics course in JECRC University.

The meeting was chaired by Prof. Jagdev Singh (Chairperson of the BOS Mathematics) and attended by the following:

1. Dr. Smita Jain
2. Dr. Seema Tinker
3. Dr. Monika Jain
4. Dr. Pradip Kumar Gaur
5. Dr. Gauri Shankar Paliwal
6. Dr. V. D. Joshi

Various decisions were taken and several issues were discussed at length and following decision was taken unanimously:

- (i) The revised codes and revised syllabi for B.Sc. Mathematics (Hons.) course for session 2022-2025 were proposed. As per suggestion given by Honorable President sir, open elective papers (credit-3 each) will be reduced from 5 to 3 and an interdisciplinary paper (credit-5) and a seminar (credit-1) will be introduced in replacement of reduced 2 open elective papers. The course content will be revised accordingly.
- (ii) No change in syllabus of B.Sc. (Pass Course) and M.Sc. (Mathematics).


Prof. Jagdev Singh


Dr. Seema Tinker


Dr. Pradip Kumar Gaur


Dr. V. D. Joshi


Dr. Smita Jain


Dr. Monika Jain


Dr. Gauri Shankar Paliwal

JECRC University
Department of Mathematics
Minutes of the meeting

Date: 03-01-2023

A meeting of Board of Studies (Mathematics) held on 03-01-2023 at 3:00pm through zoom platform to revise the syllabi of B.Sc. and M.Sc. Mathematics course in JECRC University.


The meeting was chaired by Prof. Jagdev Singh and external member of the BOS (Mathematics) Prof. J. K. Prajapat (Professor of Mathematics, Central University, Jaipur) and attended by the following:


1. Dr. Seema Tinker
2. Dr. Smita Jain
3. Dr. Monika Jain
4. Dr. Pradip Kumar Gaur
5. Dr. Gauri Shankar Paliwal
6. Dr. V. D. Joshi


Various decisions were taken and several issues were discussed at length and following decision was taken unanimously:

- (i) The revised codes and revised syllabi for M.Sc. Mathematics course for session 2022-2024 were approved. The revised course contents were incorporated in the enclosed document.
- (ii) The revised codes and revised syllabi for B.Sc. Mathematics (Hons.) course for session 2022-2025 were approved. As per suggestion of Honorable President sir, open elective papers (credit-3 each) is reduced from 5 to 3 and an interdisciplinary paper (credit-5) and a seminar (credit-1) has been introduced in replacement of reduced 2 open elective papers. The revised course contents were incorporated in the enclosed document.
- (iii) The revised codes and revised syllabi for B.Sc. pass course (Mathematics and Statistics) for session 2022-2025 were approved. The revised course contents were incorporated in the enclosed document.
- (iv) Open elective courses offered by department of mathematics for other departments were proposed and course contents were incorporated in the enclosed document.



Prof. J. K. Prajapat


Dr. Smita Jain


Dr. Monika Jain


Dr. Gauri Shankar Paliwal


Prof. Jagdev Singh


Dr. Seema Tinker


Dr. Pradip Kumar Gaur


Dr. V. D. Joshi

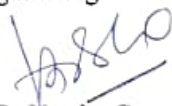
JECRC UNIVERSITY, JAIPUR

JU/2021/SOS/HOD Micro/Cir/BOS Meeting/211

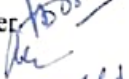

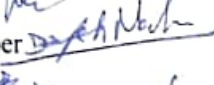
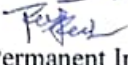

Dated: 09/11/2021

Circular


All members of Board of Studies of Microbiology and Zoology are requested to attend a meeting to revise the final syllabi & credits of the courses in Microbiology and Zoology under school of Sciences incorporating the changes/modifications as per Choice Based Credit System under Learning Outcomes based Curriculum Framework (LOCF) of UGC guidelines & suggestions given by stakeholders catering industry demand for the session 2021-22 on 11th November, 2021 at 11:30 AM in the Board Room at Ground floor, Engineering Block.


Dr Varsha Gupta
Convener, BOS Microbiology & Zoology
JECRC University, Jaipur

Member BOS

1. Dr Varsha Gupta (Associate Professor & Head, Microbiology)- Convener 
2. Dr Rajesh Yadav (Associate Professor & Head, Zoology)- Member 
3. Dr Deepesh Kumar Neelam (Assistant Professor, Microbiology)- Member 
4. Dr Ravi Kant Rahi (Assistant Professor, Microbiology)- Member 
5. Prof. (Dr) Widhi Dubey (Professor & Dean, School of Sciences)- Permanent Invitee 

External member

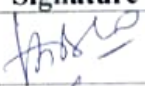

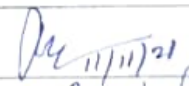
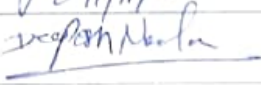
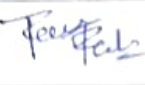

1. Prof. (Dr) Rashmi Sisodia, Professor & Former Head, Department of Zoology, University of Rajasthan, Jaipur. 

Copy to:

1. The President- For information
2. Registrar

JECRC UNIVERSITY, JAIPUR
FACULTY OF SCIENCE
ATTENDANCE SHEET
BOARD OF STUDIES MICROBIOLOGY AND ZOOLOGY
MINUTES OF MEETING

Dated: 11/11/2021 Time: 11:30 A.M Venue: Board Room at Ground floor, Engineering Block

S. No	Name	Designation	Signature
1	Dr Varsha Gupta	Associate Professor & Head, Microbiology- Convener	
2	Prof. (Dr) Widhi Dubey	Professor & Dean, School of Sciences- Permanent Invitee	
3	Dr Rajesh Yadav	Associate Professor & Head, Zoology	
4	Dr Deepesh Kumar Neelam	Assistant Professor, Microbiology	
5	Dr Ravi Kant Rahi	Assistant Professor, Microbiology	
6	Prof. (Dr) Rashmi Sisodia	Professor & Former Head, Department of Zoology, University of Rajasthan, Jaipur- External member	

JECRC UNIVERSITY, JAIPUR

School of Sciences

Minutes of Meeting of Board of Studies of Microbiology and Zoology held on 11th November, 2021 in the Board Room at Ground floor, Engineering Block at 11:30 AM regarding the revision of final syllabi & credits of the courses in Microbiology and Zoology of B.Sc. & M.Sc. under school of Sciences incorporating the changes/modifications as per Choice Based Credit System under Learning Outcomes based Curriculum Framework (LOCF) of UGC guidelines & suggestions given by stakeholders catering industry demand for the session 2021-22.

The following members attended the meeting-

1. Dr Varsha Gupta (Associate Professor & Head, Microbiology)- Convener 
2. Prof. (Dr) Widhi Dubey (Professor & Dean, School of Sciences)- Permanent Invitee 
3. Dr Rajesh Yadav (Associate Professor & Head, Zoology)- Member 
4. Dr Deepesh Kumar Neelam (Assistant Professor, Microbiology)- Member 
5. Dr RaviKant Rahi (Assistant Professor, Microbiology)- Member 
6. Prof. (Dr) Rashmi Sisodia, Professor & Former Head, Department of Zoology, University of Rajasthan, Jaipur- External member 

1. At the onset Convener welcomed all the Board Members.
2. Dr Varsha Gupta briefly appraised the agenda of the meeting to revise the final syllabi and credits of B.Sc. and M.Sc. courses in Microbiology and Zoology in the academic session 2021-22 incorporating the changes and modifications suggested by Learning Outcomes based Curriculum Framework (LOCF) of UGC.
3. As per new Learning Outcomes based Curriculum Framework (LOCF) curriculum of B.Sc. (Hons.) Microbiology syllabus has been revised from the session 2021 – 2022 with same fee structure.
4. An Internal Curriculum Committee (ICC) of the department drafted the curriculum and then it sent all faculty members for their feedback.

5. As per UGC guidelines in B.Sc. Hons, 13 Core papers, 7 Discipline Specific Electives, 4 Open Electives and foundation courses of 19 credits are incorporated in scheme.
6. Total credits offered in B.Sc. (Hons.) Microbiology were 153. It was suggested that according to LOCF of UGC guidelines maximum credits for B.Sc. Hons. Courses should be 148.
7. Internship programs are offered in B.Sc. and M.Sc. courses in last semester as per UGC guidelines.
8. B.Sc. (Hons.) Microbiology syllabus has been revised and major weighted change is 69.57%. Revision has been completed in core courses (CC) such as Physicochemical Techniques (BMI001C) (5%), Virology (BMI017C) (10%), Biochemistry (BMI005C) (10%), Microbial Genetics (BMI022C) (20%), Bacteriology and Systematics (BMI072A) (40%), Microbial Physiology (BMI029C) (55%) and Microbial Diversity (BMI003C) (60%), Cell and Molecular Biology (BMI070A) (100%), Mycology and Phycology (BMI074A) (100%), Genetic Engineering (BMI076A) according to guidelines.
9. In semester I core subject Physicochemical Techniques (BMI001C) revised for unit IV with deletion of determination and application of extinction coefficient.
10. In semester I core subject Microbial Diversity (BMI003C) revised according to unit wise which are follows Unit I – Addition of some study material such as elaborate the general properties and principles of classification. Moreover, Whittaker's five kingdom and Carl Woese three domain classifications moved from Unit 1 to Unit II. In Unit III- Endospore, Flagella, Pilus, Fimbriae (structure, composition and functions) deleted and Differences between eubacteria and archaebacteria were added. In Unit V, Discovery, General Properties, structure of viruses-morphology of capsids, viral genome, bacteriophage-Lytic and Lysogenic cycle, Virus of Plants and Animals were deleted and new study material added which are methods of studying microorganism; Staining techniques: simple staining, Gram staining, negative staining and acid-fast staining. Sterilization techniques (physical & chemical sterilization). Culture media & conditions for microbial growth. Pure culture isolation: Streaking, serial dilution and plating methods; cultivation, maintenance and preservation of pure cultures.
11. New paper Cell and Molecular Biology (BMI070A) has been added in semester I.

12. In semester II, Bacteriology and Systematics (BMI072A), paper Unit III and Unit V revised with addition of - Archaeobacteria: Introduction to Nanoarchaeota (Nanoarchaeum), Crenarchaeota (Sulfolobus, Thermoproteus) and Euryarchaeota [Methanogens (Methanobacterium, Methanocaldococcus), thermophiles (Thermococcus, Pyrococcus, Thermoplasma), and Halophiles (Halobacterium, Halococcus) and in Unit V; Nutritional requirements in bacteria and nutritional categories. Culture media: components of media, natural and synthetic media, chemically defined media, complex media, selective, differential, enriched and enrichment media. Chemical methods of microbial control: disinfectants, types and mode of action. Elaborate the environmental factors: physical methods of microbial control: heat, low temperature, high pressure, filtration, desiccation, osmotic pressure, radiation.
13. In semester II, Biochemistry (BMI005C) paper Unit 1 revised for carbohydrates, monosaccharides: aldoses and ketoses, epimers, mutarotation and anomers of glucose, Haworth projection formulae for pyranose form of glucose, furanose form of fructose, chair and boat forms of glucose, sugar derivatives- glucosamine, galactosamine, muramic acid, N-acetyl neuraminic acid., Disaccharides: concept of reducing and non-reducing sugars, Haworth projections of maltose, lactose, and sucrose. Oligosaccharides, Polysaccharides (Homo & Heteropolysaccharides). Consequently, Nucleic acids, Biosynthesis of nucleotides. Base composition. A+T and G+C rich genomes added in Unit II.
14. In Semester II New Mycology and Phycology (BMI074A) core paper has been added.
15. Virology (BMI017C) subject in semester III revised with addition of lytic and lysogenic cycle of reproduction in Unit II.
16. In semester III, Microbial Physiology (BMI029C) subject in Unit I and Unit II; Microbial growth in response to nutrition and energy – Autotroph/Phototroph, heterotrophy, Chemolithoautotroph, Chemolithoheterotroph, Chemoheterotroph, Chemolithotroph, photolithoautotroph, Photoorganoheterotroph, Passive and facilitated diffusion. Primary and secondary active transport, concept of uniport, symport and antiport group translocation Iron uptake were added.
17. In Semester IV, Microbial Genetics (BMI022C) subject, Unit I modified with addition of Mutations and mutagenesis: Definition and types of Mutations, Physical and chemical

mutagens. Unit II- deleted bacterial sex. In Unit III- Bacterial Genetics (Mutant phenotype, DNA mediated Transformation; Conjugation (Cointegrate Formation and Hfr Cells, Time-of-Entry Mapping, F' Plasmid); Transduction (Generalized transduction, Specialized Transduction)- gene mapping were added.

18. In Semester V New Genetic Engineering (BMI076A) core paper has been added.
19. New revised syllabus focused on inculcates self learning, lifelong learning, relearning and unlearning.
20. Four tracks of Discipline Specific Elective (DSE) courses i.e. Food Microbiology, Medical Microbiology, Environmental Microbiology and Industrial Microbiology have been added in revised syllabus each DSE course formed with seven subjects respectively. Choice of selection of track as well as individual random selection of DSEs is also given.
21. Three open elective papers such as Open Elective-I Human Microbial Disease Management (BMI134A), Open Elective-II Microbial Products (BMI135A), Open Elective-III Biosafety and IPR (BMI136A) incorporated in the revised syllabus. Other discipline students are eligible to adopt in there course for study.
22. Virtual labs are also added to strength the experiential learning.
23. To strengthen the experiential learning MIT open courses also introduced for cell biology, biological chemistry I and fundamentals of biology for undergrad students
24. As per new Learning Outcomes based Curriculum Framework (LOCF) of M.Sc. Microbiology syllabus has been revised from the session 2021 – 2022 with same fee structure.
25. In the core courses (CC) 20.37% revision has been completed according to guidelines. Each semester have three core papers and one elective paper. There is an internal choice among the two elective papers.
26. In semester I elective paper i.e. virology mycology and phycology (MMI004B) revised for unit IInd (Bacteriophage , lysogenic and lytic cycle of bacteriophage) and IIIrd (Type study of class oomycetes, zygomycetes, ascomycetes, basidiomycetes and deuteromycetes) .
27. New subjects Industrial Microbiology (MMI022A) in semester IInd and Food and Dairy Microbiology (MMI024A) and Biostatistics and Bioinformatics (MMI025A) were added in semester IIIrd.

28. Total credits of M.Sc. Microbiology have been revised from 112 to 88.
29. UGC Non-Technology Swayam Platform, PG MOOCs and NPTEL courses offered for B.Sc. and M.Sc. students.

The following changes in the syllabus of B.Sc. Pass Course (Zoology) have been done:

30. The Program Outcomes (PO's), (Program Specific Outcomes (PSO's) and Course Outcomes (CO's) for the newly introduced B.Sc. Pass course were discussed. New course codes have been given to all the courses of B.Sc. Zoology.
31. In Semester I minor changes by incorporating few new topics in the course "Animal Diversity (Non Chordates) has been done and a new code (BSZ001A) has been assigned and the practical of this subject has been revised after incorporation of few new practicals and the revised syllabus is given new code (BSZ002A).
32. The course Cell Biology and Genetics (BZO003B) & Cell Biology and Genetics Lab (BZO004A) in Semester II has been assigned a new code (BSZ003A & BSZ004A), respectively.
33. In Semester third the course Biology of Chordates and Economic Zoology (BZO005B) and the Lab (BZO006A) of this subject has been assigned a new code (BSZ005A & BSZ006A), respectively.
34. Developmental Biology and Immunology (BZO007B) and its Practical Lab (BZO008B) offered in fourth semester is also revised with a new code (BSZ007A & BSZ008A), respectively.
35. The code of the course Ecology, Ethology and Biostatistics (BZO009B) and practical Lab (BZO010B) offered in Vth Semester has been changed to BSZ009A & BSZ010A, respectively.
36. In semester VI the course Animal Physiology and Biochemistry (BZO012A) and Practical Lab (BZO013A) has been assigned a new code (BSZ012A) and (BSZ013A), respectively.
37. Convener Dr Varsha Gupta circulated the scheme among all the board members for their perusal and final consent.
38. The External experts as well as other members went through the scheme discussed among them and looked through the revised syllabi drafted and presented by respective

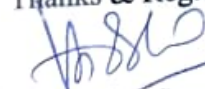
members representing a particular subject and also in the capacity of Head of Department of their concerned subjects.

39. The suggestions given by external experts and other board members were incorporated and after modifications the syllabi were finally approved.

40. In the end the Convener expressed profound gratitude to the expert for spending time for the University.

The meeting ended with vote of thanks to the chair.

Thanks & Regards



Dr Varsha Gupta

Convener & Head

Department of Microbiology

Copy to:

1. The Registrar
2. HOD, Zoology

CC. The President

JECRC University, Jaipur
Department of Physics (Faculty of Sciences)

BOARD OF STUDIES - PHYSICS

Minutes of the Meeting

Date: November 09, 2021

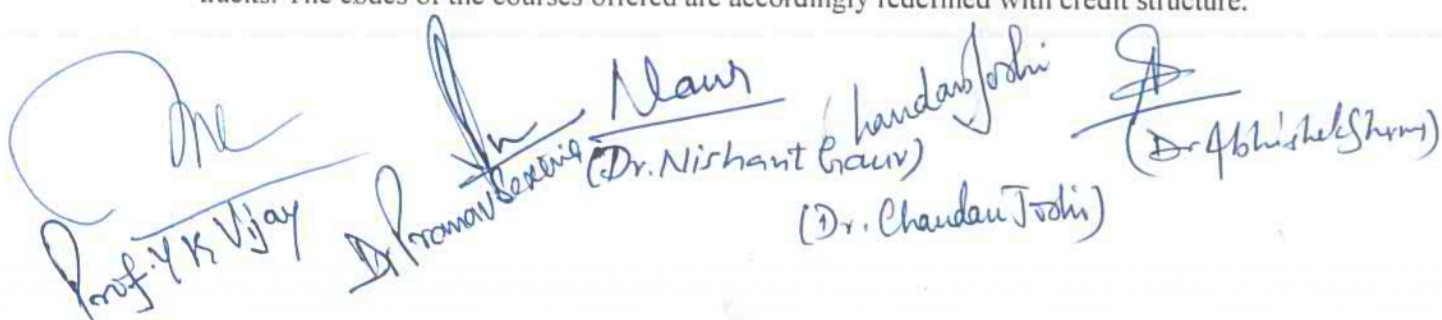
A meeting of Board of Studies (Physics) took place at 2:00 PM on November 09, 2021 to discuss about and to approve the (i) BSc. Honors program offered with departmental elective courses, (ii) physics courses offered in BSc (Pass) program, and (iii) revision of credits of MSc (Physics) program, (iv) Applied Physics for the program B.Tech. I year.

Following members of Board of Studies committee were present:

1. Prof. Y K. Vijay (External Member – Subject Expert)
2. Prof. Pranav Saxena (Head & Chairperson)
3. Dr. Nishant Gaur (Associate Professor)
4. Dr. Chandan Joshi (Asstt Professor)
5. Dr Abhishek Sharma (Asstt. Professor)

The meeting was chaired by the chairperson and welcomes the external member as subject expert Prof. Y.K. Vijay Director-CIST, IIS University, Jaipur (Retd Professor and Former Director of CDPE, University of Rajasthan, Jaipur). After having a brief introduction of BOS members, the meeting was preceded with discussion for the approval on the following agenda items:

- (i) **BSc (Honors) Physics:** First, the scheme, credit, course structure and syllabi content of previous BSc (Major Physics) for academic session 2020-2023, was reviewed and the need of complete revising the BSc Honors structure was elaborated in view of Learning Outcome Based Framework (LOCF) suggested by UGC. For the new BSc (Honors) program, offered for the academic session 2021-2024, the detailed discussion was done on study scheme and the distribution of credits to the courses offered related to subject as core along with departmental electives (DE) starting from III semester onwards. The chairperson has also discussed the courses of specializations as tracks, namely BSc (Honors) in *Electronics and Communication Science*, BSc (Honors) in *Material Science* and BSc (Honors) in *Astronomy and Astrophysics* for which the student will have the choice to choose any track in semester III and the degree will be awarded with specialization in the particular track that he/she choose and follows completely. Further, the chairperson has also emphasized that student will also have the choice to obtain General Honors degree, if he/she choose the courses randomly in offered electives rather than picking up a particular track or chooses the electives offered for General Honor's degree program.. Despite of the huge variation, the total credits of the program has now reduced to 148 from 153 of previous one. In comparison to previous BSc (Honors) program, the present course structure has been turned up with major revision of approx. 92% changes as the number of new courses is added in accordance with the specialization tracks. The codes of the courses offered are accordingly redefined with credit structure.


Prof. Y K Vijay
Prof. Pranav Saxena
Dr. Nishant Gaur
Dr. Chandan Joshi
Dr. Abhishek Sharma

- (ii) **BSc (Pass) Physics:** Department of Physics has also restructured the courses offered in BSc (Pass) in view of the courses offered in BSc (Honors). Thus the present syllabi content for the academic session 2021-2024 has a major revision of 100% compare to previous syllabus for the academic session (2018-2021). The study scheme and distribution of credits was also discussed. The codes of the courses are redefined.
- (iii) **MSc Physics:** As such no changes have been made in the contents of courses offered in MSc Physics program with well defined electives except the credit of Laboratory courses. Thus the total credits of the program have now reduced to 94 from 112. The codes of the courses remains same as such no changes have been done.
- (iv) **Applied Physics:** In accordance restructuring of credits for BTech I year courses, the changes in the syllabus of 'Applied Physics' for various B. Tech. courses are as follows: In theory, Unit-IV, namely "Special Theory of Relativity" has been removed completely, and restructure the contents into five units by removing the topics "Holography" and "Optical Communications" from Unit V and are put in Unit-IV. In Laboratory course, minor changes are done according the changes in theory contents. Besides these, no other major changes are done and thus revision of 22% in total is observed.
- (v) **Physics for Computing Science:** In addition to the Applied Physics course, another course, namely "Physics for Computing Science" also runs by the department for B Tech I year, which is completely designed by Tata Consultancy Services (TCS) itself for their specific stream.

The codes for both "Applied Physics + Lab" and "Physics for Computing Science + Lab" have been redefined.

All the members of Board of Studies and subject expert have discussed in detail about the study scheme and courses for each program and approve them with common consensus.



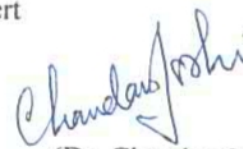
(Prof. Y.K. Vijay)

External Member & Subject Expert



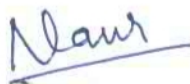
(Prof. Pranav Saxena)

Head, Chairperson



(Dr. Chandan Joshi)

Asstt. Professor



(Dr. Nishant Gaur)

Associate Professor



(Dr. Abhishek Sharma)

Asstt.. Professor

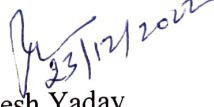
JECRC UNIVERSITY, JAIPUR

JU/2022/SOS/HOD Zoo/Cir/BOS Meeting/oo/





Dated: 23/12/2022

CIRCULAR


All members of Board of Studies of Zoology are requested to attend a meeting to revise the final syllabi & credits of the courses in Zoology under school of Science incorporating the changes/modifications as per Choice Based Credit System under Learning Outcomes based Curriculum Framework (LOCF) of UGC guidelines & suggestions given by stakeholders catering industry demand for the session 2022-23 on 28th December, 2022 at 12:30 PM in the Board Room at Ground floor, Vikram Sarabhai Bhawan.


23/12/2022
Dr Rajesh Yadav
Convener, BOS Zoology
JECRC University, Jaipur

Member BOS

1. Dr Rajesh Yadav, (Professor & Head)- Convener BOS 
2. Dr Adesh Kumar (Assistant Professor)- Member 
3. Dr Shivangi Mishra (Assistant Professor)- Member 
4. Prof. (Dr) Widhi Dubey (Professor & Dean, School of Sciences)- Permanent Invitee 

External Members

5. Prof. G.C. Jain - Emeritus Professor and Former Head, Department of Zoology, University of Rajasthan - External Member 

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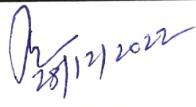

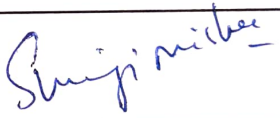


1. The President- For information
2. Registrar

JECRC UNIVERSITY, JAIPUR
SCHOOL OF SCIENCE
ATTENDANCE SHEET
BOARD OF STUDIES ZOOLOGY
MINUTES OF MEETING

Date: 28/12/2022

Time: 12:30 PM

Venue: Board Room, Vikram Sarabhai Bhawan, Ground Floor, Vikram Sarabhai Bhawan

S.No.	Name of the Faculty	Designation	Signature
1	Dr Rajesh Yadav	Professor & HOD Zoology- Convener	
2	Dr Adesh Kumar	Assistant Professor- Member	
3	Dr Shivangi Mishra	Assistant Professor- Member	
4	Prof. G.C. Jain	Emeritus Professor and Former Head, Department of Zoology, University of Rajasthan - External Member	
5	Prof. Widhi Dubey	Dean, School of Science- Permanent Invitee	

JECRC UNIVERSITY, JAIPUR

School of Sciences

Minutes of Meeting

Minutes of Meeting of Board of Studies of Zoology held on 28th December, 2022 in the Boardroom, Ground floor, Vikram Sarabhai Bhawan at 12:30 PM regarding the revision of final syllabi & credits of the courses in B.Sc. & M.Sc. Zoology under school of Sciences incorporating the changes/modifications as per Choice Based Credit System under Learning Outcomes based Curriculum Framework (LOCF) of UGC guidelines & suggestions given by stakeholders catering industry demand for the session 2022-23.

The following members attended the meeting

1. Dr Rajesh Yadav, (Professor & Head)- Convener BOS
2. Dr Adesh Kumar (Assistant Professor)- Member
3. Dr Shivangi Mishra (Assistant Professor)- Member
4. Prof. (Dr) Widhi Dubey (Professor & Dean, School of Science)- Permanent Invitee

External Members

5. Prof. G.C. Jain , Emeritus Professor and Former Head, Department of Zoology, University of Rajasthan - External Member

1. At the onset Convener welcomed all the Board Members.
2. The Convener Dr Rajesh Yadav briefly apprised the agenda of the meeting to revise/update the final syllabi and credits of the courses in B.Sc. and M.Sc. Zoology in the academic session 2022-23 incorporating the changes/modifications as per Choice Based Credit System under Learning Outcomes based Curriculum Framework (LOCF) of UGC guidelines & suggestions given by stakeholders catering industry demand for the employability of the students.

3. An Internal Curriculum Committee (ICC) of the department drafted the curriculum and then it was sent to all faculty members of the department for their feedback.
4. In MSc programme 23.67% revision in the syllabus has been done. In BSc. Pass course no major revision was done in the syllabus.
5. Total credits of M.Sc. Zoology have been revised from 94 to 91.
6. The following changes in the syllabus of M.Sc. Zoology have been done:
 - a) In M.Sc. Semester -I, the course "Taxonomy and Evolution (MZO001A) has been revised by incorporating the topics- Material basis of biosystematics-different attributes, Trends in biosystematics (in Unit I), Evaluation of biodiversity indices. Shannon-Weinner index, dominance index (in Unit III), micro and macro-evolution (in Unit IV), Genetics of quantitative traits in populations, Analysis of quantitative traits, Quantitative traits and natural selection. Genotype-environment interactions, Inbreeding depression and heterosis, Molecular analysis of quantitative traits, Phenotypic plasticity, Molecular phylogenetics, How to construct phylogenetic trees, Phylogenetic inference-Distance methods, parsimony methods, maximum likelihood method, Immunological techniques (in Unit V) and given a new Course name & code as "Biosystematics, Taxonomy and Evolution (MZO001B).
 - b) No change has been done in the course of "Structure & Function of Invertebrates (MZO002A)"
 - c) The course "Biochemistry (MZO003A)" has been merged with MSc Biotechnology I semester programme and the syllabus, course name & code of Biotechnology has been taken and named as "Biochemistry (MBI001A)"
 - d) The course "Biostatistics and Computer Applications (MZO004B), has been removed from semester I and at its place the course "Molecular Biology and Biotechnology MZO009A" which was previously in Semester-II has been shifted to Semester-I, with the addition of few topics- Principle and technique of genetic engineering: Cutting and joining of DNA molecules. Cloning strategies, gene library and cDNA. Application of recombinant DNA technology, Recombination selection and screening. Nucleic acid probes and their application (in Unit V), and assigned a new course code (MZO009B).
 - e) Accordingly, the Laboratory exercises of Semester I have also been modified and given a new course name & code as "Laboratory Exercises of Biochemistry, Molecular Biology, Taxonomy, and Invertebrates (MZO005C)".
 - f) In Semester II, no changes have been done in courses "Biology of Chordates & Immunology (MZO006B), Tools and Techniques (MZO007B), and General Physiology (MZO008A). But a new course "Fundamentals in Quantitative Research Methods (MZO033A) has been added in place of the course "Molecular Biology and Biotechnology (MZO009A) -which is shifted to I semester, and the course "Research Methodology (MZO030A) has been removed.
 - g) Accordingly, the Laboratory exercises of Semester II have also been modified and given a new course name & code as "Laboratory exercises of Immunology, Physiology, Quantitative Research Methods, and Chordates (MZO010C), in place of "Laboratory Exercises of Immunology, Quantitative Research Methods & Chordates (MZO010B).
 - h) In Semester III, the course of "Ethology and Applied Zoology (MZO012B) has been modified by adding the topics-Concepts of Ethology: Fixed Action Pattern, ASE, Sign Stimulus, Innate Releasing Mechanism (in Unit I), Imprinting, Brain and behaviour (in Unit

II), Social organization: Dominance hierarchies and Territoriality. Animal communication: Dance language of Honey bee. Migration: Fish (Catadromous and Anadromous), Birds (in Unit III). & Fish diseases (in Unit IV) and has been assigned a new course code (MZO012C).

- i) In Discipline Elective Courses, In Group B - Environmental Biology, the course "Principles of Ecology (MZO028A), has been modified by adding the topics-adaptation, resilience of ecosystem, ecosystem management. Synecology and autecology, Importance and Scope of Ecology, Ecological Succession (in Unit-II), Restoration Ecology (in Unit-III), Biodiversity – Biodiversity as a natural resource, Global Biodiversity and Indian Biodiversity (in Unit V) and has been assigned a new course code (MZO028B).
- j) No changes have been done in the course "Environment & Natural Resources (MZO015A)".
- k) The course of "Eco-Toxicology & Biodiversity Conservation (MZO016B) has been modified by adding the topics- Monitoring Environment: Abiotic parameters to be monitored for various types of habitats. Keystone species & Indicator species, Continuous & seasonal monitoring (in Unit I), Wildlife Trade and Laws, Red Data Book and its significance (in Unit IV) and Major protected areas & their importance, Conserving species of Economic significance (in Unit V).
- l) In Semester IV, no changes have been done.

7. Convener Prof. Rajesh Yadav circulated the scheme among all the board members for their perusal and final consent.

8. The scheme and revised syllabi draft of Undergraduate and Postgraduate program was discussed among the External experts as well as other members.

9. The suggestions given by external experts and other board members were incorporated and after modifications the syllabi were finally approved.

10. In the end the Convener expressed profound gratitude to the expert for sparing time for the University.

The meeting ended with vote of thanks to the chair.

Thanks & Regards



Prof. Rajesh Yadav
Convener & Head
Department of Zoology

Copy to:

1. The Registrar
2. The President

