

JAIPUR NATIONAL UNIVERSITY, JAIPUR



BOARD OF STUDIES

2017-18

SCHOOL OF ALLIED HEALTH SCIENCES

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BOARD OF STUDIES IN SCHOOL OF ALLIED HEALTH SCIENCES

Minutes of the meeting held on April 20Th 2017

02:00 PM: Welcome of the delegates

02:15 PM: Briefing about the smooth conduction of BPT programme introduced in previous session by Dr. Atul Singh (HoD – Physiotherapy)

02:30 PM: Introductory note by Dr. T S Ahluwalia Sir, Hon'ble Principal, JNU-IMSRC

02:40 PM: Introductory note by Dr. Jaswant Goyal Sir, Hon'ble Medical Advisor, JNU-IMSRC

02:50 PM: Introduction and Current Status and need of the Post Graduation Courses (Master of Physiotherapy) of physiotherapy by Dr. Himanshu Mathur (Faculty – Physiotherapy)

02:50 PM: Panel Discussion (Points Discussed)

The meeting of the Board of Studies in Department of Physiotherapy, for the year 2017-18, was held on 20 April 2017 at 2:00 pm in Conference Room (First Floor 206), School of Engineering and Technology (SADTM) , Jaipur National University

The following members attended the meeting :

S.No.	Name	Designation
1.	Dr. T S Ahluwalia	Chairperson
2.	Dr. Jaswant Goyal	Expert
3.	Dr. Vishal Jain	External Industry Expert
4.	Dr. Vikram Yadav	External Subject Expert
5.	Dr. Ritu Chauhan	Special Invitee
6.	Dr. Atul Singh	HOD, Dept. of Physiotherapy
7.	Dr. Himanshu Mathur	Faculty Member

Chairman of the Board, addressed the members and introduced external BOS Members to the board and further internal members introduced themselves


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Item No. 1

1. Confirmation of the minutes of the meeting held on 16th June 2017.

The minutes of the meeting held on 16th July 2016 were read and confirmed unanimously by all the members

RESOLUTION
[No.: BOS/PHY/2017/1]

UNANIMOUSLY RESOLVED THAT the minutes of BOS Meeting held on 16th July 2016 were hereby confirmed.

Item No. 2

2. Action Taken Report

(i) Implementation of curriculum for BPT Programme

The curriculum discussed and approved vide **Resolution no: BOS/PHY/2016/2** with suggestions have been implemented from April 2017, for the BPT course.

Item No. 3

Discussion on the Planning to offer an Post graduate programme, Master of Physiotherapy (MPT) that prepare students to learn specialization in stream including Orthopedic, Sports, Neurology, Manual therapy etc.

Dr. Atul briefed about the various Specialization of Master in Physiotherapy (MPT)

- To be in accordance with the curriculum being implemented in other nationalized universities across the country.
- To teach the students, topics which are actual need of the time.

The members suggested the following changes:

All the members agreed to the need of specialization in Physiotherapy and approved the curriculum of MPT in various stream including Orthopedic, Neurology & Psychosomatic Disorder, Manual Therapy and sports.

RESOLUTION
[No.: BOS/PHY/2017/2]

UNANIMOUSLY RESOLVED THAT the need of the Course "Master of Physiotherapy" is appreciated and approved with the suggestions and send to the final approval of Academic Council

The curriculum is attached as Annexure 1

There was no other point for discussion / Discussed about latest trends in Bioinformatics


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Board of Studies recommended the above resolutions to be presented in the Academic Council for further final approval

The meeting ended with the vote of thanks to the Chair

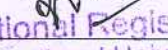


Chairperson



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<u>S.No.</u>	<u>Course Code</u>	<u>Title of Course/Module</u>
<u>1</u>	MPTOS302	Rehabilitation in Physiotherapy Conditions (Orthopedics & Sports) –I
<u>2</u>	MPTOM302	Rehabilitation in Physiotherapy Conditions (Orthopedics & manual Therapy) –I
<u>3</u>	MPTNP302	Rehabilitation in Physiotherapy Conditions (Neurology & Psychosomatic Disorders) –I
4	BPTDI606	<ul style="list-style-type: none"> • <u>Subject Name: Diagnostic Imaging for Physical Therapist</u> • <u>Course Content:</u> <ol style="list-style-type: none"> 1. Introduction to Diagnostic Imaging 2. Systematic Analysis Using ABCs 3. The Physics of Medical Imaging 4. The Cervical Spine 5. The Lumbar Spine 6. The Hip and Pelvis 7. The Knee 8. The Leg, Ankle and Foot 9. The Shoulder 10. The Elbow, Wrist and Hand
5	BPTPM706	<ul style="list-style-type: none"> • <u>Subject Name: Pain Management</u> • <u>Course Content:</u> <ol style="list-style-type: none"> 1. Introduction to Pain 2. Theories of Pain 3. Pain Mechanics & Pain Assessment 4. Theories of Pain Suspension 5. Pharmacology of Pain 6. Introduction to Anesthesia 7. Physiology Of pain 8. Modalities of Pain Suppression 9. Outcomes of Pain 10. Functional Documentation
6	BPTAM707	<ul style="list-style-type: none"> • <u>Subject Name: Alternative Medicine</u> • <u>Course Content:</u>


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		<ol style="list-style-type: none"> 1. Introduction to Magneto-Therapy 2. Introduction to Naturopathy 3. Introduction to Ayurved Medicine 4. Introduction to Tai- Chi 5. Introduction to Reiki 6. Introduction to Acupressure Reflexology 7. Introduction to Acupuncture 8. Introduction to Sujok 9. Introduction to Yoga 10. Introduction to Pranic Healing
7	BPTOC801	<ul style="list-style-type: none"> • <u>Subject Name: Physiotherapy in Orthopedic Conditions</u> • <u>Course Content:</u> <ol style="list-style-type: none"> 1. Introduction to Prehabilitation 2. Concept of Prehabilitation 3. Principles of Prehabilitation
8	BPTCR803	<ul style="list-style-type: none"> • <u>Subject Name: Physiotherapy in Cardio respiratory Conditions</u> • <u>Course Content:</u> <ol style="list-style-type: none"> 1. Role of Physiotherapy in COVID-19 : <ol style="list-style-type: none"> a) Introduction, Pathogenesis, b) Physiotherapy in ICU, c) Post COVID Physiotherapy
9	BPTEA804	<ul style="list-style-type: none"> • <u>Subject Name: Eclectic Approaches in Physiotherapy</u> • <u>Course Content:</u> <ol style="list-style-type: none"> 1. <u>Advanced Adjunctive Approaches:</u> <ol style="list-style-type: none"> a) Introduction to Cupping therapy b) Introduction to IASTM c) Introduction to Vestibular Rehabilitation d) Brain Gym & Cognitive Rehabilitation Rood's Approach 2. <u>Basic Concept of Positional Release Therapy:</u> <ol style="list-style-type: none"> a) Basic Concept of the technique b) Principles of Technique Application c) Techniques for Spine & Peripheral joints 3. <u>Basic Concepts of Osteopathy & Chiropractic:</u> <ol style="list-style-type: none"> a) Basic Concept of the technique b) Principles of Technique Application c) Osteopathic Correction techniques for Spine & Peripheral joints


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10	MPTEP202	<ul style="list-style-type: none"> • <u>Subject Name:</u> Ethics, Principles, Management & Educational Methodology In Physiotherapy • <u>Course Content:</u> <p>1. Evidence Based Physiotherapy</p> <p>a) Introduction to Evidence Based Practice: Definitions, Evidence Based Practice, Evidence Based Physiotherapy Practice</p> <p>b) Assessing the Evidence: Evaluating the evidence; Levels of evidence in research using quantitative methods, Levels of evidence classification system, Outcome Measurements</p> <p>c) Systematically reviewing the evidence: Stages of systematic reviews, Meta-analysis, the Cochrane Collaboration</p>
11	MPTOM401	<ul style="list-style-type: none"> • <u>Subject Name:</u> Rehabilitation in Physiotherapy Conditions-II (Orthopedics+Manual Therapy) • <u>Course Content:</u> <p>Prehabilitation</p> <ol style="list-style-type: none"> 1. Introduction to the concept of Prehabilitation 2. Principles of Prehabilitation
12	MPTOS401	<ul style="list-style-type: none"> • <u>Subject Name:</u> Rehabilitation in Physiotherapy Conditions-II (Orthopedics+Sports) • <u>Course Content:</u> <p>Prehabilitation</p> <ol style="list-style-type: none"> 1. Introduction to the concept of Prehabilitation 2. Principles of Prehabilitation
13.	MPTNP401	<ul style="list-style-type: none"> • <u>Subject Name:</u> Rehabilitation in Physiotherapy Conditions-II (Neurology+Psychosomatic Disorders) • <u>Course Content:</u> <p>Prehabilitation</p> <ol style="list-style-type: none"> 1. Introduction to the concept of Prehabilitation 2. Principles of Prehabilitation


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BOARD OF STUDIES

2017-18

SCHOOL OF ALLIED HEALTH SCIENCES

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BOARD OF STUDIES IN THE SCHOOL OF ALLIED HEALTH SCIENCES

AGENDA

The meeting of the Board of Studies in School of Allied Health Sciences for the year 2017-18, will be held on 21st November, 2017 at 2:00 pm in Director's Room (SIILAS), School of Allied Health Sciences (SIILAS), Jaipur National University.

The following agenda will be discussed in the meeting:

1. Confirmation of the minutes of the meeting held on **11th February 2016**.
2. Action taken report of the meeting held on **11th February 2016**
3. To discuss and approve the **Introduction of New Programmes B. Sc. Clinical Dietetics and B. Sc. Medical Lab Technology** and approval of its curriculum.
4. To discuss and approve the proposed **Exam Schema of B. Sc. Clinical Dietetics and B. Sc. Medical Lab Technology Program**.
5. To discuss and approve the **Introduction of New Programmes Diploma in OT Technician** and approval of its curriculum.
6. To discuss and approve the adoption of **Exam Schema of Diploma in OT Technician Program**
7. To Discuss and approve the **Value Added Course** in School of Allied Health Sciences.
8. To confirm and approve that "**No Change**" has been done in "Diploma in Medical Lab Technology" Program
9. Any other matter with the permission of Chair.


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BOARD OF STUDIES IN THE SCHOOL OF ALLIED HEALTH SCIENCES

Minutes of the Meeting held on 21st November, 2017

The meeting of the Board of Studies in School of Allied Health Sciences, for the year 2017-18, was held on 21st November, 2017 at 2:00 pm in Director's Room (SIILAS), School of Allied Health Sciences (SIILAS), Jaipur National University.

The following members attended the meeting:

S.No.	Name	Designation
1	Prof. D.S. Bhatia	Chairperson
2	Dr. Ramesh Tondon	External Clinical Expert
3.	Dr. Shweta Biyani	External Subject Expert
4.	Dr. Jaspreet Singh Dr. Saurabh Singh Ms. Dimple Sharma	Faculty Members

At the onset, Chairman of the Board welcomed the members to the meeting of BOS and placed the agenda for the deliberations of the members. The following deliberations were made as per the items of the circulated Agenda.

Item No. 1

Confirmation of the minutes of the meeting held on 11th February 2016.

The minutes of the meeting held on 11th February 2016 were read and confirmed unanimously by all the members


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RESOLUTION
[No.: BOS/AHS/2017/1]

UNANIMOUSLY RESOLVED THAT the minutes of BOS Meeting held on **11th February 2016** was confirmed.

Item No. 2

Action Taken Report of the meeting held on 11th February 2016.

Content of the proposed curriculum for B.Sc. Clinical Dietetics and B.Sc. Medical Lab Technology has been discussed and finalized.

Implementation of newly introduced curriculum of Diploma in Medical Lab Technology with the following criteria-

S. No.	Course	Duration	Eligibility
1.	M. Sc. Medical Anatomy	3 Years	B. Sc. (With 50% Marks) with at least one subject of biological Sciences or BAMS or MBBS or BHMS or BPT or B. Pharm or any other professional graduates from a recognized University.
2.	M. Sc. Medical Microbiology	3 Years	B. Sc. (With 50% Marks) with at least one subject of biological Sciences or BAMS or MBBS or BHMS or BPT or B. Pharm or any other professional graduates from a recognized University.

The proposed curriculum discussed and proposed with wide **Resolution No. BOS/AHS/2016/2** is appreciated and approved with suggested changes with subject to the final approval of academic council.


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Item No. 3

To discuss and approve the Introduction of New Programmes B. Sc. Clinical Dietetics and B. Sc. Medical Lab Technology and approval of its curriculum

The chair gave the presentation for implementation of B.Sc. Clinical Dietetics and B. Sc. Medical Lab Technology Programme to the board.

The point of discussion was as follows:

According to the Health Ministry of India, India is struggling hard to meet the healthcare needs of its vast population and the major cause is shortage of human resources at all levels of healthcare system. To meet this demand, Government of India is planning to integrate allied healthcare professionals into main stream of Indian healthcare delivery system.

An Allied Health Professionals is a part of healthcare team but distinct from a doctor, nurse or a pharmacist. They provide a range of patient care services like curative, preventive, diagnostic, rehabilitative, monitoring & therapeutic services and also include research and development.

By keeping above point into consideration, an agenda was proposed in the meeting to introduce the courses like B. Sc. Clinical Dietetics and B. Sc. Medical Lab technology through which we can support the need Allied Health Care Professionals in the Health Care Industry of the country.

Features of the Courses:

B. Sc. Clinical Dietetics

- The bachelor in clinical dietetics will provide the student practical and technical knowledge and understanding about the various aspects related to nutrition and health.


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- It enables the student to understand the relationship between dietary habits and occurrence of diseases, its aetiology, clinical symptoms and nutritional therapy required in different health conditions.
- After completion of programme students will be able to work as nutritional professional in hospitals, health and diet clinics, food industries etc. where they can apply evidence based nutritional recommendations for different health conditions.

B. Sc. Medical Lab technology

- B.Sc. Medical Lab Technology, an undergraduate allied program that gives the knowledge about etiopathogenesis of diseases and techniques to find out the courses of the associated diseases by performing the tests of the disease markers in the various samples of the patients.
- The students finally become able to diagnose the diseases in the patients based on the finding of the tested markers of the diseases. Thus B.Sc. MLT program provides the diagnosis of the disease based on which treatment can be start in the patient.

RESOLUTION **[No.: BOS/AHS/2017/2]**

The board resolved that the implementation of new curriculum of B.Sc. Clinical Dietetics and B.Sc. Medical Laboratory Technology to be introduced from academic session 2017-18 is appreciated and approved with suggested changes with subject to the final approval of academic council.

Item No. 4

To discuss and approve the proposed Exam Schema of B. Sc. Clinical Dietetics and B. Sc. Medical Lab Technology Program

Dean (Academics) explained the guidelines, commonalities, workshop to suit discipline requirements and uniqueness (50% practical and 50% Theory based curriculum) of B.Sc. Clinical Dietetics and B. Sc. Medical Lab Technology.


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The chair gave the presentation for introduction of B.Sc. Clinical Dietetics and B. Sc. Medical Lab Technology. B.Sc. Clinical Dietetics is an undergraduate program with duration of 3 years while B. Sc. Medical Lab Technology is an undergraduate program with duration of 4 years. The criteria for admission in both the programs are 50% (aggregate) with PCB in class 12th. The syllabus of B.Sc. Clinical Dietetics is divided into 3 years (i.e. 6 semesters) while syllabus of B. Sc. Medical Lab Technology is divided into 4 years (i.e. 8 semesters)

Members discussed the syllabus and examination scheme of proposed curriculums presented by Chair along with the reasons of introduction of the new curriculum.

Exam scheme of B.Sc. Clinical Dietetics-

Semester-I

S.N o.	Course Code	Course Nomenclature	Course Category (core/elective)	Credit	Contact-Per Week			Class Duration	
					L	T	P	Theory	Practical
1.	BCD-101	Computers Fundamentals	Core	100	3	1	0	60 Min	0
2.	BCD-102	Fundamentals of Biochemistry	Core	100	3	1	0	60 Min	0
3.	BCD-103	General Microbiology	Core	100	3	1	0	60 Min	0
4.	BCD-104	Basic Nutrition	Core	100	3	1	0	60 Min	0
5.	BCD-105	Basic Dietetics	Core	100	3	1	0	60 Min	0
6.	BCD-106	Professional communication skills*	Core	100	3	1	0	60 Min	0
7.	BCD-107P	General Microbiology Lab	Core	100	0	0	3	0	180 Min
8.	BCD-108P	Fundamentals of Biochemistry Lab	Core	100	0	0	3	0	180 Min
9.	BCD-109P	Computer Fundamentals Lab	Core	100	0	0	3	0	180 Min

*non-credit paper


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Semester-II

S.N o.	Paper Code	Paper Title	Course Category	Credit	Contact-Per Week			Class Duration	
					L	T	P	Theory	Practical
1.	BCD-201	Clinical Nutrition	Core	100	3	1	0	60 Min	0
2.	BCD-202	Vitamin and Mineral Nutrients	Core	100	3	1	0	60 Min	0
3.	BCD-203	Basic Molecular Biology	Core	100	3	1	0	60 Min	0
4.	BCD-204	Family Meal Management	Core	100	3	1	0	60 Min	0
5.	BCD-205	Human Anatomy and Physiology I	Core	100	3	1	0	60 Min	0
6.	BCD-206	Human Anatomy & Physiology II	Core	100	3	1	0	60 Min	0
7.	BCD-207P	Basic Nutrition Lab	Core	100	0	0	3	0	180 Min
8.	BCD-208P	Basic Molecular Biology Lab	Core	100	0	0	3	0	180 Min
9.	BCD-209P	Human Anatomy and Physiology Lab	Core	100	0	0	3	0	180 Min

Semester-III

S.N o.	Paper Code	Paper Title	Course Category	Credit	Contact-Per Week			Class Duration	
					L	T	P	Theory	Practical
1.	BCD-301	Therapeutic Nutrition	Core	100	3	1	0	60 Min	0
2.	BCD-302	Nutritional Biochemistry	Core	100	3	1	0	60 Min	0
3.	BCD-303	Community Nutrition	Core	100	3	1	0	60 Min	0
4.	BCD-304	Food Commodities I	Core	100	3	1	0	60 Min	0
5.	BCD-305	Human Anatomy and Physiology III	Core	100	3	1	0	60 Min	0
6.	BCD-306P	Therapeutic Nutrition Lab	Core	100	0	0	2	0	120 Min
7.	BCD-307P	Community Nutrition Lab	Core	100	0	0	2	0	120 Min
8.	BCD-308P	Human Physiology II Lab	Core	100	0	0	2	0	120 Min


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9.	BCD-309P	Nutritional Biochemistry Lab	Core	100	0	0	3	0	180 Min
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Semester-IV

S. No.	Paper Code	Paper Title	Course Category	Credit	Contact-Per Week			Class Duration	
					L	T	P	Theory	Practical
1.	BCD-401	Food Microbiology, Sanitation and Hygiene	Core	100	3	1	0	60 Min	0
2.	BCD-402	Food Commodities II	Core	100	3	1	0	60 Min	0
3.	BCD-403	Food Preservation	Core	100	3	1	0	60 Min	0
4.	BCD-404	Preventive Nutrition	Core	100	3	1	0	60 Min	0
5.	BCD-405	Human Anatomy & Physiology IV	Core	100	3	1	0	60 Min	0
6.	BCD-406P	Food Microbiology Lab	Core	100	0	0	2	0	120 Min
7.	BCD-407P	Food Commodities Lab	Core	100	0	0	2	0	120 Min
8.	BCD-408P	Food preservation Lab	Core	100	0	0	2	0	120 Min
9.	BCD-409P	Human Physiology Lab- III	Core	100	0	0	2	0	120 Min

Semester-V

S.No.	Paper Code	Paper Title	Course Category	Credit	Contact-Per Week			Class Duration	
					L	T	P	Theory	Practical
1.	BCD-501	Food Fortification	Core	100	3	1	0	60 Min	0
2.	BCD-502	Food Toxicology and safety	Core	100	3	1	0	60 Min	0
3.	BCD-503	Food Adulteration	Core	100	3	1	0	60 Min	0
4.	BCD-504	Food Service Management	Core	100	3	1	0	60 Min	0
5.	BCD-505	Research Methodology and Statistics	Core	100	3	1	0	60 Min	0
6.	BCD-506P	Food Analysis Lab	Core	100	2	0	2	60 Min	120 Min
7.	BCD-507P	Food service	Core	100	0	0	2	0	120 Min


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		management Lab							
8.	BCD-508P	Food Science Lab (Food adulteration + Food Safety)	Core	100	0	0	2	0	120 Min

Semester-VI

S.No.	Paper Code	Paper Title	Course Category	Credit	Contact-Per Week			Class Duration	
					L	T	P	Theory	Practical
1.	BCD-601	Environmental studies*	Core	100	3	1	0	60 Min	0
2.	BCD-602	Nutrition in Special Conditions	Core	100	3	1	0	60 Min	0
3.	BCD-603P	6 month project & On The Job Training	Core	300	0	0	30	0	300n

*non-credit paper

Exam Scheme of B. Sc. MLT:

Year: I
Theory Papers

Semester: I

Course code	Course Name	Hours Per Week		Credits	Evaluation Scheme		
		L	T		IA	ETE	Total
BMLT-101	Computer Fundamentals	2	1	3	30	70	100
BMLT-102	Basic Biochemistry-I	3	1	4	30	70	100
BMLT-103	General Microbiology	4	1	5	30	70	100
BMLT-104	Basic Pathology-I	3	1	4	30	70	100
BMLT-105	Human Anatomy & Physiology-I	4	1	5	30	70	100
BMLT-106	*Professional Communication Skills	1	0	1	30	70	100
Total		17	5	22	150	350	500


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Practical Papers

Course code	Course Name	Hours Per Week	Credits	Evaluation Scheme		
				IA	ETE	Total
BMLT-107P	General Microbiology Lab.	3	1	30	70	100
BMLT-108P	Basic Biochemistry-I Lab.	3	1	30	70	100
BMLT-109P	Computer Fundamentals Lab.	3	1	30	70	100
BMLT-110P	Basic pathology-I Lab.	3	1	30	70	100
BMLT-111P	Human Anatomy & physiology-I lab	3	1	30	70	100
	Total	12	5	150	350	500
Total Semester Credits		27		Grand Total		1000

L: Lecturer,
Term Exam

T: Tutorial,

IA: Internal Assessment,

ETE: End

*Compulsory but not counted towards credit hours

Year: I**Semester: II****Theory Papers**

Course code	Course Name	Hours Per Week		Credits	Evaluation Scheme		
		L	T		IA	ETE	Total
BMLT-201	Basic Pathology-II	4	1	5	30	70	100
BMLT-202	Basic Biochemistry-II	4	1	5	30	70	100
BMLT-203	Microbial Techniques	4	1	5	30	70	100
BMLT-204	Human Anatomy & Physiology-II	4	1	5	30	70	100
	Total	16	4	20	120	280	400

Practical Papers

Course code	Course Name	Hours Per Week	Credits	Evaluation Scheme		
				IA	ETE	Total
BMLT-205	Practical 1 (BMLT-201)	3	1	30	70	100
BMLT-206	Practical 2 (BMLT-202)	3	1	30	70	100
BMLT-207	Practical 3 (BMLT-203)	3	1	30	70	100
BMLT-208	Practical 4 (BMLT-204)	3	1	30	70	100
	Total	12	4	120	280	400
Total Semester Credits		24		Grand Total		800

L: Lecturer,
Term Exam

T: Tutorial,

IA: Internal Assessment,

ETE: End

*Compulsory but not counted towards credit hours

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Year: II
Theory Papers

Semester: III

Course code	Course Name	Hours Per Week		Credits	Evaluation Scheme		
		L	T		IA	ETE	Total
BMLT-301	Clinical Hematology	4	1	5	30	70	100
BMLT-302	Metabolic & Blood Biochemistry	4	1	5	30	70	100
BMLT-303	Bacterial Pathogens & Associated Diseases	4	1	5	30	70	100
BMLT-304	Immunology	4	1	5	30	70	100
BMLT-305	Preventive Medicine & Health Care	4	0	4	30	70	100
Total		20	4	24	150	350	500

Practical Papers

Course code	Course Name	Hours Per Week	Credits	Evaluation Scheme		
				IA	ETE	Total
BMLT-306	Practical 1 (BMLT-301)	3	1	30	70	100
BMLT-307	Practical 2 (BMLT-302)	3	1	30	70	100
BMLT-308	Practical 3 (BMLT-303 & BMLT-304)	3	1	30	70	100
Total		9	3	90	210	300
Total Semester Credits		27		Grand Total		800

L: Lecturer,
Term Exam

T: Tutorial,

IA: Internal Assessment,

ETE: End

*Compulsory but not counted towards credit hours

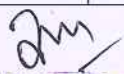
Year: II
Theory Papers

Semester: IV

Course code	Course Name	Hours Per Week		Credits	Evaluation Scheme		
		L	T		IA	ETE	Total
BMLT-401	Histopathological Techniques	4	1	5	30	70	100
BMLT-402	Biochemical & Biophysical Techniques	4	1	5	30	70	100
BMLT-403	Pathogenic Viruses	4	1	5	30	70	100
BMLT-404	Clinical Pathology	4	1	5	30	70	100
Total		16	4	20	120	280	400

Practical Papers

Course code	Course Name	Hours Per Week	Credits	Evaluation Scheme		
				IA	ETE	Total
BMLT-405	Practical 1 (BMLT-401)	3	1	30	70	100
BMLT-406	Practical 2 (BMLT-402)	3	1	30	70	100


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BMLT-407	Practical 3 (BMLT-403)	3	1	30	70	100
BMLT-408	Practical 4 (BMLT-404)	3	1	30	70	100
	Total	12	4	120	280	400
Total Semester Credits		24		Grand Total		800

L: Lecturer,
Term Exam

T: Tutorial,

IA: Internal Assessment,

ETE: End

*Compulsory but not counted towards credit hours

Year: III
Theory Papers

Semester: V

Course code	Course Name	Hours Per Week		Credits	Evaluation Scheme		
		L	T		IA	ETE	Total
BMLT-501	Blood Banking & Transfusion Medicine	4	1	5	30	70	100
BMLT-502	Diagnostic Enzymes & Vitamins	4	1	5	30	70	100
BMLT-503	Clinical Mycology	4	1	5	30	70	100
BMLT-504	Biostatistics	4	1	5	30	70	100
	Total	12	4	20	120	280	400

Practical Papers

Course code	Course Name	Hours Per Week		Credits	Evaluation Scheme		
		L	T		IA	ETE	Total
BMLT-505	Practical 1 (BMLT-501)	3		1	30	70	100
BMLT-506	Practical 2 (BMLT-502)	3		1	30	70	100
BMLT-507	Practical 3 (BMLT-503)	3		1	30	70	100
	Total	9		3	90	210	300
Total Semester Credits		23		Grand Total		700	

L: Lecturer,
Term Exam

T: Tutorial,

IA: Internal Assessment,

ETE: End

*Compulsory but not counted towards credit hours

Year: III
Theory Papers

Semester: VI

Course code	Course Name	Hours Per Week		Credits	Evaluation Scheme		
		L	T		IA	ETE	Total
BMLT-601	Histo&Cytopathological Techniques	4	1	5	30	70	100
BMLT-602	Hormones & Disorders	4	1	5	30	70	100
BMLT-603	Clinical Parasitology	4	1	5	30	70	100
BMLT-604	Research Methodology	4	1	5	30	70	100
BMLT-605	*Environmental Studies and Disaster Management	2	0	2	30	70	100

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	Total	18	4	22	120	280	400
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Practical Papers

Course code	Course Name	Hours Per Week	Credits	Evaluation Scheme		
				IA	ETE	Total
BMLT-606	Practical 1 (BMLT-601)	3	1	30	70	100
BMLT-607	Practical 2 (BMLT-602)	3	1	30	70	100
BMLT-608	Practical 3 (BMLT-603)	3	1	30	70	100
BMLT-609	Clinical visit	0	1	0	0	100
	Total	9	4	90	210	400
Total Semester Credits		26		Grand Total		800

L: Lecturer,
Term Exam

T: Tutorial,

IA: Internal Assessment,

ETE: End

*Compulsory but not counted towards credit hours

Year: IV

Semester: VII

Theory Papers

Course code	Course Name	Hours Per Week		Credits	Evaluation Scheme		
		L	T		IA	ETE	Total
BMLT-701	Immunopathology	4	1	5	30	70	100
BMLT-702	Advance Biochemical Techniques	4	1	5	30	70	100
BMLT-703	Advance Microbial Techniques	4	1	5	30	70	100
BMLT-704	Entrepreneurship & Quality Laboratory Management	4	1	5	30	70	100
BMLT-705	Medical Jurisprudence	4	1	5	30	70	100
	Total	20	5	25	150	350	500

Practical Papers

Course code	Course Name	Hours Per Week	Credits	Evaluation Scheme		
				IA	ETE	Total
BMLT-705	Practical 1 (BMLT-701)	3	1	30	70	100
BMLT-706	Practical 2 (BMLT-702)	3	1	30	70	100
BMLT-707	Practical 3 (BMLT-703)	3	1	30	70	100
	Total	9	3	90	210	300
Total Semester Credits		26		Grand Total		800

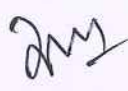
L: Lecturer,
Term Exam

T: Tutorial,

IA: Internal Assessment,

ETE: End

*Compulsory but not counted towards credit hours


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Year: IV

Semester: VIII

Course code	Course Name	Training Hrs. Per Week	Credits	Evaluation Scheme		
				Project Presentation	Dissertation	Total
BMLT-801	Six Month's Training with An Analytical Project)	8 hrs/day, for 6 Month	-	100	100	100
Total Semester Credits		6 month		Grand Total		200

General Comments:

- **Prof. D.S. Bhatia** expressed their concern about motivating students towards domain specific courses in induction program.
- Contents of Professional electives should be revisited keeping in view of the syllabus coverage of core courses, suggested by **Dr. Shweta Biyani**

Course related comments-

Dr. Ramesh Tondon asked to provide an infield practical training and exposure through regular visits to hospital.

RESOLUTION
[No.: BOS/AHS/2017/3]

The board resolved that the implementation of Exam Schema of B. Sc. Clinical Dietetics and B. Sc. Medical Lab Technology Program to be introduced from academic session 2017-18 is appreciated and approved with suggested changes with subject to the final approval of academic council.

Item No. 5

To discuss and approve the Introduction of New Programmes Diploma in OT Technician and approval of its curriculum

The chair gave the presentation for implementation of **Diploma in OT Technician** Programme to the board.

The point of discussion was as follows:


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The Healthcare industry is among the fastest-growing industries in India and the world. But the fastest-growing industry requires skilled and qualified professionals. Pursuing a Diploma in Operation Theatre Technician is a perfect opportunity to enter the healthcare industry. Career opportunities and job options after Diploma in Operation Theatre Technician are also immense. By keeping above point into consideration, an agenda was proposed in the meeting to introduce the courses like **Diploma in OT Technician** through which we can support the need Allied Health Care Professionals in the Health Care Industry of the country.

Features of the Courses:

Diploma in Operation Theatre Technician-

Diploma in Operation Theatre Technician is a Diploma level Operations Theatre Technology program. This program prepares aspirants to work in the operation theatre as a competent reliable technologist among the other team members of a healthcare department, under the supervision and guidance of senior doctors and Technical persons in their delivery of patient care. They learn the utilization of numerous diagnostic equipment for example Ventilators, monitors, Defibrillators, C-arm etc. and also patient assessment abilities. Training also concentrates on the knowledge and skills of monitoring infection control policy and procedures in the operation theatre.

OT Technicians work in Operation Theatre of hospitals, Emergency Departments and Intensive Care Units. Their main responsibility is to assist and help Doctors and Surgeons during surgery and emergency procedures. Under the setup of a doctor's facility, Operation Theatre experts are generally part of a team that comprises of Doctors, attendants, nurses and other allied healthcare service professionals.

RESOLUTION **[No.: BOS/AHS/2017/4]**

The board resolved that the implementation of new curriculum of Diploma in OT Technician to be introduced from academic session 2017-18 is appreciated and approved with suggested changes with subject to the final approval of academic council.


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Item No. 6

To discuss and approve the adoption of Exam Schema of Diploma in OT Technician Program

Dean (Academics) explained the guidelines, commonalities, workshop to suit discipline requirements and uniqueness (50% practical and 50% Theory based curriculum) of **Diploma in OT Technician Program**.

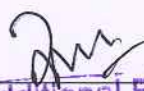
The chair gave the presentation for introduction of **Diploma in OT Technician Program**. **Diploma in OT Technician Program** is a Diploma program with duration of 2 years. The criteria for admission in the programs are 10+2 with Science (Physics, Chemistry and Biology). The syllabus of **Diploma in OT Technician Program** is divided into 2 years (Preliminary-1 Year and Final-1 Year) followed by 3 month compulsory Post-Examination Training after passing Final Examination.

Members discussed the syllabus and examination scheme of proposed curriculums presented by Chair along with the reasons of introduction of the new curriculum.

Exam scheme of Diploma in Operation Theater Technician-

First Year

S. No.	Subject Code	Subject	Distribution of Marks			
			Theory	Practical	Viva-Voce	Total
1	OT1	Basic Sciences	100	-	-	100
2	OT2	[1]OT Room Related Matters [2]Common General Surgical Procedures [3]CPR	100	-	-	100
3	OTPR1	Practical Classes and Demonstration [1] General Surgery				


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		Elective OT [2] General Surgery Emergency OT [3] General Surgery Minor OPD OT [4] General Surgery Emergency Casualty OT		Practical		
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Second Year

S. No.	Subject Code	Subject	Distribution of Marks			
			Theory	Practical	Viva-Voce	Total
1	OT3	[1] Maintenance of Equipment [2] Sterilization [3] IV Fluids & Transfusions	100	-	-	100
2	OT4	Special Surgeries	100	-	-	100
3	OTPR2	Practical Classes and Demonstration [1] Gynecology and Obstetrics [2] Orthopedic Surgery [3] Urology [4] Pediatric Surgery [5] CTVS [6] Plastic Surgery [7] Neuro Surgery [8] Ophthalmology [9] ENT		Practical		

General Comments:

- **Prof. D.S. Bhatia** expressed their concern about motivating students towards domain specific courses in induction program.


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Course related comments-

The committee members and field expert suggested few points for the enhancement of the student's skill in the different fields of the Allied Health Sciences-

- Regular visit of the Hospital for getting Practical Exposure
- Regular Hands on Training to the students in the hospital for acquiring skills

RESOLUTION
[No.: BOS/AHS/2017/5]

The board resolved that the implementation of Exam Schema of Diploma in OT Technician Program to be introduced from academic session 2017-18 is appreciated and approved with suggested changes with subject to the final approval of academic council.

Item No. 7

To discuss and approve the value added courses from academic session 2017-18.

The chair presented the benefits of value added courses in front of the board

The following value added course was suggested as follows:

1- Creative Writing

RESOLUTION
[No.: BOS/AHS/2017/6]

The board resolved that the above mentioned value added courses will be implemented from academic session 2017-18 with subject to the final approval of the academic council.

Item No. 8

To confirm and approve that "No Change" has been done in Diploma in Medical Lab Technology Program


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The committee members confirmed and approved that "No Change" has been done in **Diploma in Medical Lab Technology Program**

RESOLUTION
[No.: BOS/AHS/2017/7]

The board resolved that no change is needed in Diploma in Medical Lab Technology program and as per the suggestions of the members of the Board of Studies, Diploma in Medical Lab Technology Program subjected to the final approval of the Academic Council. The approved syllabus and examination scheme is attached as annexure:

Item No. 9

Any other matter with the permission of the Chair

- The members suggested that only latest addition text and reference books for the programme should be prescribed in the syllabus.
- There was no other point for discussion / Discussed about latest trends and scope in Allied Health Sciences.
- Board of Studies recommended the above resolutions to be presented in the Academic Council for further final approval.

The meeting ended with the vote of thanks to the Chair.


Chairperson


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BOARD OF STUDIES

2017-18

SCHOOL OF BUSINESS AND MANAGEMENT


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BOARD OF STUDIES IN THE SCHOOL OF BUSINESS AND MANAGEMENT

AGENDA

The meeting of the Board of Studies in School of Business and Management For the year 2017-2018, will be held on 22nd July 2017 at 11:00 AM in the Board Room, Jaipur National University.

The following agenda will be discussed in the meeting:

- Confirmation of the minutes of the meeting held on 27th April 2016.
- Action taken report
- To discuss and approve proposed changes in the various courses of MBA(Dual Specialization)
- To discuss and approve proposed changes in the various courses of MBA
- To discuss and approve proposed changes in the various courses of MBA(Hospital & Healthcare Management)
- To discuss and approve introduction of new course in MBA(Hospital & Healthcare Management)
- To discuss and approve the proposed Syllabus of New courses in MBA(Hospital & Healthcare Management)
- To discuss and approve introduction of Value Added Courses on Data Analysis using Advance Excel and Disaster Preparedness and Response for PG students and Creative Writing for UG Students.
- To discuss and approve the Syllabus of Value Added Courses on Data Analysis using Advance Excel and Disaster Preparedness and Response for PG students and Value Added Courses on Creative Writing, Logical Reasoning and Career Guidance, Digital Marketing, Statistics to Excel for UG Students.
- To discuss and approve the proposed New programs - B.Com Honors Accountancy and Business statistics) and B.Com Honors. (Business administration) under elective system from academic session 2017-18.
- To discuss and approve the proposed new curriculum Exam Scheme of B.Com Honors (Accountancy and Business Statistics) and (Business Administration) under elective Program
- To discuss and approve proposed changes in the curriculum of BBA.
- To discuss and approve proposed changes in the curriculum of B.Com


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UNANIMOUSLY RESOLVED THAT the minutes of BOS Meeting held on 27th April 2016 was confirmed.

Item No. 2

2. Action Taken Report

(i) Implementation of revised curriculum for MBA (Dual Specialization)

The revised curriculum discussed and approved vide Resolution no. BOS/SBM/2016/2 with suggestions had been implemented, for the following courses:

S.No.	Program	Course Code	Semester	Title of Course
1.	MBA(Dual Specialization)	MBA (D)-101	I	Management Accounting
2.	MBA(Dual Specialization)	MBA (D)-102	I	Management Process And Organizational Behaviour
3.	MBA(Dual Specialization)	MBA (D)-103	I	Marketing Management
4.	MBA(Dual Specialization)	MBA (D)-106	I	Business Communication
5.	MBA(Dual Specialization)	MBA (D)-107	I	Information Technology in Management
6.	MBA(Dual Specialization)	MBA (D)-201	II	Human Resource Management
7.	MBA(Dual Specialization)	MBA (D)-202	II	Financial Management
8.	MBA(Dual Specialization)	MBA (D)-203	II	Operations And Production Management
9.	MBA(Dual Specialization)	MBA (D)-204	II	Research Methodology
10.	MBA(Dual Specialization)	MBA (D)-206	II	Data Communication And Networking
11.	MBA(Dual Specialization)	MBA (D)-207	II	Entrepreneurship & Small Business Management
12.	MBA(Dual Specialization)	MBA (D)-301	III	Strategic Management
13.	MBA(Dual Specialization)	MBA (D)-302	III	Economic And Legal Environment Of Business
14.	MBA(Dual Specialization)	MBA(D) M001	Marketing Elective	Consumer Behaviour
15.	MBA(Dual Specialization)	MBA(D) M003	Marketing Elective	Retail Management
16.	MBA(Dual Specialization)	MBA(D) M004	Marketing Elective	Marketing Of Services



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17.	MBA(Dual Specialization)	MBA(D) M005	Marketing Elective	Sales and Distribution Management
18.	MBA(Dual Specialization)	MBA(D) M006	Marketing Elective	Customer Relationship Management
19.	MBA(Dual Specialization)	MBA (D)H002	HR Elective	Human Resource Planning
20.	MBA(Dual Specialization)	MBA(D)H003	HR Elective	Training And Development
21.	MBA(Dual Specialization)	MBA (D)H004	HR Elective	International HR & Cross Cultural Management
22.	MBA(Dual Specialization)	MBA(D) H006	HR Elective	Strategic Compensation Management
23.	MBA(Dual Specialization)	MBA (D) H007	HR Elective	Industrial Relations
24.	MBA(Dual Specialization)	MBA (D) H009	HR Elective	Strategic Human Resource Management
25.	MBA(Dual Specialization)	MBA (D)-F001	Finance Elective	Financial Restructuring
26.	MBA(Dual Specialization)	MBA(D) F002	Finance Elective	Management Of Financial Services & Institutions
27.	MBA(Dual Specialization)	MBA(D) F003	Finance Elective	Security Analysis And Portfolio Management
28.	MBA(Dual Specialization)	MBA(D) F004	Finance Elective	Financial Derivatives
29.	MBA(Dual Specialization)	MBA(D)-F006	Finance Elective	International Financial Management
30.	MBA(Dual Specialization)	MBA (D)-F007	Finance Elective	Corporate Tax Management
31.	MBA(Dual Specialization)	MBA(D)-F010	Finance Elective	Strategic Cost Management And Control
32.	MBA(Dual Specialization)	MBA(D)-F011	Finance Elective	Management Control System

(ii) Implementation of revised curriculum for MBA

The revised curriculum discussed and approved vide Resolution no. BOS/SBM/2016/3 with suggestions had been implemented, for the following courses:

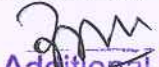
S. No.	Program	Course Code	Semester	Title of Course
1.	MBA	MBA -101	I	Management Accounting
2.	MBA	MBA-102	I	Principles And Practices Of Management
3.	MBA	MBA-103	I	Organizational Behaviour
4.	MBA	MBA-105	I	Managerial Economics
5.	MBA	MBA-106	I	Business Communication
6.	MBA	MBA-107	I	Computer Application In Management
7.	MBA	MBA -201	II	Human Resource Management
8.	MBA	MBA -203	II	Marketing Management


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9.	MBA	MBA -206	II	International Business Management
10.	MBA	MBA -207	II	Management Information Systems
11.	MBA	MBA -208	II	Business Ethics And Values
12.	MBA	MBA -301	III	Strategic Management
13.	MBA	MBA -302	III	Entrepreneurship & Small Business Management
14.	MBA	MBA-H001	HR Elective	Human Resource Development System And Strategies
15.	MBA	MBA-H002	HR Elective	Manpower Planning & Management
16.	MBA	MBA-H003	HR Elective	Training And Development
17.	MBA	MBA- H004	HR Elective	International HR And Cross Cultural Management
18.	MBA	MBA-H006	HR Elective	Compensation And Performance Management
19.	MBA	MBA-M001	Marketing Elective	Consumer Behavior
20.	MBA	MBA-M006	Marketing Elective	Sales And Distribution Management
21.	MBA	MBA-M007	Marketing Elective	Customer Relationship Management
22.	MBA	MBA-F001	Finance Elective	Financial Restructuring
23.	MBA	MBA-F003	Finance Elective	Security Analysis And Portfolio Management
24.	MBA	MBA-F005	Finance Elective	International Accounting
25.	MBA	MBA-F006	Finance Elective	International Financial Management
26.	MBA	MBA-401	IV	Project Management
27.	MBA	MBA-402	IV	Legal Aspects Of Business
28.	MBA	MBA-IT001	IT Elective	E- Business
29.	MBA	MBA-IT002	IT Elective	Data Communication And Networking

(iii) Introduction of New course Management Control System as Finance Elective in MBA vide resolution no. BOS/SBM/2016/4

(iv) Implementation of Value Added Course on “Introduction to Human Biology” and “Writing and Presentation Skills”


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School of Business and Management has introduced new course "Management Control System" in MBA program and several other courses in MBA(Hon's) for the Academic Session 2016-18 which were approved by BOS members.

School of Business and Management has also started two Value Added Courses **Introduction to Human Biology** and **Writing and Presentation Skills** vide Resolution no. BOS/SBM/2016/8 as discussed in the BOS Meeting.

(i) Implementation of value added courses as follows:

The proposed value added courses have been approved in BOS vide Resolution no. BOS/SBM/2016/9 and implemented in Academic session 2016-17.

Value Added courses as follows:

S.No.	Course Duration	Title of Courses
1.	30 hours	Logical Reasoning and Career Guidance
2	30 hours	Digital Marketing
3	30 hours	Statistics to Excel
4	30 hours	Women Entrepreneurship

(vii) Implementation of revised curriculum for BBA and B.Com for academic session 2016-17

The revised curriculum discussed and approved vide resolution no. BOS/SBM/2016/9 with suggestions have been implemented from July 2016, for the following courses

Program outline of BBA for academic session 2016-17


SEMESTER -I		SEMESTER -II	
BBA 101	Business Organization	BBA 201	Financial Accounting
BBA 102	Business Communication	BBA 202	Business Environment
BBA 103	Principles of Management	BBA 203	Legal Framework
BBA 104	Business Economics	BBA 204	Management of Financial Institutions
BBA 105	Fundamentals of Accounting	BBA 205	Business Ethics
BBA 106	Business Mathematics	BBA 206	Computer Fundamental
		BBA 207	Industrial tour and report
SEMESTER -III		SEMESTER -IV	
BBA 301	Business Statistics	BBA 401	Research Methodology
BBA 302	Company Law	BBA 402	Tax Management
BBA 303	Cost Accounting	BBA 403	Marketing Management
BBA 304	Financial Management	BBA 404	Project Management
BBA 305	Management Information System	BBA 405	Entrepreneurship Development
BBA 306	Management of Human Resources	BBA 406	Management Accountancy

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		BBA 407	Survey Report.
SEMESTER -V		SEMESTER -VI	
BBA 501	Business Budgeting	BBA 601	Strategic Management
BBA 502	Organizational Behaviour	BBA 602	Management of Services
BBA 503	International Business	BBA 603	E-Commerce
BBA 504	Operations Management	BBA 604	Corporate Management
BBA 505	Indian Financial System	BBA 605	Event Management
BBA 506	Outsourcing Management	BBA 606	Environmental Management
BBA 507	Summer Training Project		

Program outline of B.Com for academic session 2016-17

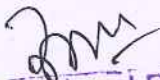
SEMESTER -I		SEMESTER -II	
B.Com 101	Fundamentals of Accounting	B.Com 201	Financial Accounting
B.Com 102	Business Organization	B.Com 202	Regulatory Framework of Business
B.Com 103	Business Economics	B.Com 203	Business Mathematics
B.Com 104	Principles of Management	B.Com 204	Business Environment
B.Com 105	Economic Environment of Business	B.Com 205	Cost Accounting
B.Com 106	Computer Application	B.Com 206	Business Communication
SEMESTER -III		SEMESTER -IV	
B.Com 301	Corporate Accounting	B.Com 401	Management Accounting
B.Com 302	Business Statistics	B.Com 402	Law and Practice in Banking
B.Com 303	Management Information System	B.Com 403	Financial Management
B.Com 304	Event Management	B.Com 404	Management of Rural Development
B.Com 305	Macro Economics	B.Com 405	Business Ethics
B.Com 306	Auditing – Principles and Practice	B.Com 406	Accounting Theory and Practice
SEMESTER -V		SEMESTER -VI	
B.Com 501	Tax Management	B.Com 601	Project Management
B.Com 502	Company Law	B.Com 602	Environmental Management
B.Com 503	Entrepreneurship Development	B.Com 603	E-Commerce
B.Com 504	Business Budgeting	B.Com 604	Marketing Management
B.Com 505	Human Resource Management	B.Com 605	Banking and Finance
B.Com 506	Principles and Practice of Insurance	B.Com 606	Quantitative Techniques



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Item No. 3

Discussion and approval of proposed changes in the various courses of MBA (Dual Specialization)


Course Code	Course Name	Addition	Removal
MBA(D)-102	Management Process And Organizational Behaviour	Module IV: Factors and theories of Personality development. Leadership: theories and Styles Module V: Formal And Informal Group And Learning Organization	Module III: Formal and informal organization. - Nature and, impact and trends. definition - learning organizations. Module IV: Personality Development: meaning, theories of Personality. Leadership: concept, theories and Styles. Module V: Group Behavior - Group formation
MBA(D)-103	Marketing Management	Module II: Industrial Differences between Consumer and Business Buyer Behavior, Buying Roles in Industrial Marketing, Factors that Influence Business Buyers, Steps in Business Buying Process Module V: Integrated Marketing Communication	Module II: Understanding consumer and industrial markets
MBA(D)-203	Operations And Production Management	Module I: Introduction-Product-Process Mix Module II: Transportation and Assignment Problems with optimal solutions Module III: Decision Tree Analysis Module IV: Quality Management Quality Dimensions Module V: Productivity	Module II: Introduction of Transportation Problems, Procedure of finding optimal solution; Assignment Problem & its solution Module III: Planning And Scheduling Services Operations, Techniques Of Production Control


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		Improvement And Maintenance - Kaizen 5s System	Module IV: Quality characteristics of goods and services;
MBA(D)-204	Research Methodology	Module I: Introduction To Research Module V: Application Of Statistical Software Like SPSS and MS Excel In Data Analysis.	Module I: Definition; Nature And Scope Of Business Research Problems and Module-V: Motivational research, Projective Techniques Application Of Computers In Research
MBA(D)-205	International Marketing 	Module I: 'Management Orientation, Need for International Trade Module II: 'Trade Theories Including Evolution Of International Trade Practices, 'Trade Barriers, Objectives Of WTO', Regional Economic Groups And Impact Of Integration, Cultural Environment'. 'Challenges in Global Marketing' Financial Environment, Foreign Exchange Market Module III: Identifying International opportunities, International market segmentation. International product planning, Product Adaption, Standardization and Creation. Promotion-Adaption and Extension principle, Advertising, PR, Trade Fairs, e-marketing. Developing and managing Global Brand. Intellectual property, Gray market. Module V: State-owned enterprises. International Financial	Module I: Motivation to go global, & Theoretical basis for global business Module II: 'World Bank', Culture Defined, Elements Of Culture, Culture Analysis, Identifying International Opportunities And International Market Segmentation. Marketing Strategies For International Marketing Module III: International Product strategies and Principles-Extension, Adaption, Creation, Globalization. The international product life cycle. Benefits and drawbacks of standardization, Developing and managing Global Brand. Intellectual property, Gray market, Role of Services in

		<p>Institutions- IMF, World Bank, IFC, ECGC services. Newly Emerging Markets, Shifts in Technological environment.</p>	<p>global economy, Media advertising, PR, Trade Fairs.</p> <p>Module V: ECGC services, Current stand on WTO, Emerging Markets and The Future-Marketing and sourcing from newly emerging democracies, State-owned enterprises, Global marketing and internet, Planned versus market economics, Shifts in Technological, Financial Environment.</p>
MBA(D)-207	<p>Entrepreneurship And Small Business Management</p>	<p>Module 1: Myths About Entrepreneurship, The Need For Entrepreneurs In Our Economy, Intrapreneurship- Concepts, Difference Between Intrapreneur And Entrepreneur Social entrepreneurship</p> <p>Module II: Different aspect of entrepreneurial organization and performance of entrepreneurial skills</p> <p>Support Structure For Promoting Entrepreneurship (Various Government Schemes)</p> <p>Module III: Resource Mobilization(Angel Investor, Venture Capital Funds, Stock Market-Raising Funds, Specialized Financial Institutions- IDBI, SIDBI, IFCI, NABARD, IIBI, SFC, TFCI, SIDC)</p>	<p>Module II: Role Of Financial Institutions In Ed</p> <p>Module IV MSMED Act 2006</p> <p style="text-align: right;">  Additional Registrar Jaipur National University Jaipur </p>

		Module IV : MSMED Act 2016	
MBA (D)-301	Strategic Management	Module V: Role Of Key Parties Involved In Corporate Governance	Module V: Role Of Board Of Directors, CEO's And Entrepreneurs
MBA (D)-302	Economic And Legal Environment Of Business	Module II: Competition Act	Module II: MRTP Competition Act
MBA (D)-M004	Marketing Of Services	Module I: Concept and Characteristics of Services – Intangibility, Inconsistency, Inseparability and Inventory; Search, experience and credence attributes, Difference between goods and services marketing; Classification of service Module III: Challenges in distribution of Services Module IV: Concept of Service encounter Services Marketing Triangle; Service profit chain	Module I: Concept, Services Characteristics and Issues, Goods v/s service marketing,
MBA (D)-M005	Sales And Distribution Management	Module IV: need and scope of distribution management levels of channels, institutions for channels-retailing wholesaling, designing channel systems, channel management, Channel conflicts and resolutions Module V: Physical Distribution Management Definition & scope of logistics, Components of logistics: inventory, warehouse management, and transportation; Different Modes of Transport in India, Channel Information	Module IV: Importance of a channel, types of channel; Physical Distribution System – Decision Areas; Different Modes of Transport in India; Their Characteristics. Emerging Issues in Distribution Management. Module V: Channel Management Channel management: Forces of distributing systems; distributors' selections and

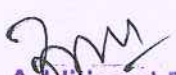

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		Systems, Distribution Management in international market.	appointment; Channel conflicts and resolutions; Training the distributors' sales team.
MBA(D)-M006	Customer Relationship Management	Module V: CRM in Telecom	Module V: CRM Roadblocks CRM In Services- Information Technology,
MBA(D)-M011	Strategic Marketing	Module II: Sustainable Competitive Advantage. Module III: 'Growth Strategies, Strategies For Consolidation Of Businesses'	Module I: Strategic Marketing And Marketing Management, Competition: Net Age Module II: Value Chain Analysis Sustainable Competitive Advantage. Module III: 'Segmentation, Targeting, Positioning', Repositioning Strategies' Module IV: 'Growth Strategies' Module V: for analyzing and improving organizational effectiveness.
MBA(D)-H001	Human Resource Development System And Strategies	Module I: Relationship Between HRM & HRD Module V: HRD Strategies And Types Of HRD Strategies	NIL
MBA(D)-H002	Human Resource Planning	Module III: Concept, basic fundamentals, process and models of career management, Succession planning- overview and	Module III: Concept of career management, Career Planning: meaning, characteristics,

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		process, Internal mobility-promotion, demotion, and transfer.	objectives, need , process, models, benefits and limitations, Succession planning-meaning, features, objectives, significance and process, Internal mobility- promotion and transfer. Module IV: and methods.
MBA(D)-H004	International Human Resource (Previous Title- International HR & Cross Cultural Management)	Module V: IHRCCM: Trends & future challenges	BOS members suggested to change rename the course International Human Resource
MBA(D)-H006	Strategic Compensation Management	<p>Module I: Introduction to Strategic compensation and Policies</p> <p>Overview Of Strategic Management Concepts (Compensation Philosophy, Strategy Development, Macro/Micro-Economics, Human Resource Law, Ethics, Scorecard Metrics, Global HRM, Etc.)</p> <p>Module II: Compensation Survey & Methodology; Introduction To Planning Compensation For Executives</p> <p>Module III: Compensation Strategy: New Thinking For The New Millennium, Pay The Person, Reward Excellence, Competency – related compensation. Paying</p>	<p>Module II: An overview of National Pension Scheme</p> <p>Module III: Employee Ownership Engagement And Strategic Capability\, Sharing financial returns. Meaning of Strategic Capability: Competency – related compensation. Paying for skills and knowledge. Potential of skills and knowledge. Goal sharing and capability, potential of goal sharing.</p> <p>Module IV: Meaning Of Dual Reward System, Dimensions Of Pay For Performance,</p>


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		<p>for skills and knowledge. Potential of skills and knowledge. Goal sharing and capability, potential of goal sharing. Individualizing the Pay System, Organizational and External Factors Affecting Compensation Strategies, Compensation Strategies as an Integral Part of HRM,</p> <p>Module IV: Rewarding and Managing Strategic Performance</p> <p>Moving to total rewards Rethinking performance management. Statutory provisions governing different components of reward systems—Wage criteria and wage machinery— Wage Components—Salary Benchmarking, designing KRA & KPI</p> <p>Module V: Compensation systems around the globe</p> <p>Systems International Compensation: Expatriate Compensation and its Objectives, Elements of Expatriate's Compensation Package, Compensation issues- around the globe.</p>	<p>Interpretations Of Pay For Performance, Performance Pay Approaches And Bonus And Strategic Performance</p> <p>Module V: Designing compensation systems around the globe</p> <p>Building pay structures that recognize employee contributions. Compensation issues- around the globe. Compensating expatriates pay and benefits outside the united states.</p>
MBA(D)-H010	<p>Performance Management</p> 	<p>Module I: Defining Performance and Performance Management</p> <p>Module III: Performance Measurement and Appraisal</p>	<p>Module III: Gathering Performance Information</p> <p>Defining performance & choosing a measurement approach,</p>

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		<p>An overview of Key Result Areas and Key Performance Indicators</p> <p>Module V: A brief overview of laws like Employment Equality Regulations, Equal Pay Act, and Sex Discrimination Act Legal principles affecting PM</p>	<p>gathering performance information: Characteristics</p> <p>Module V: 360⁰ feedback systems Performance management & the Law, Legal principles affecting PM, Managing Team Performance And Rewarding Team Performance</p>
MBA(D)-F001	Financial Restructuring	<p>Module I: Corporate Restructuring: corporate Changes in ownership structure: Leveraged Buyouts, Employee Stock Ownership Plan, and Going Private and Master Limited partnership.</p> <p>Module II: Forms of Financial Restructuring Meaning and motives of financial restructuring, Forms of financial restructuring: Mergers-Types and process of Merger, post merger issues, Takeover: Types and defensive strategies to takeover bids and Demerger.</p> <p>Module III: Dimensions of Financial Restructuring Financial Restructuring through Contraction- spin offs, spilt offs, divestiture, equity carved out and split-ups. Expansion- Strategic Alliances & Joint Ventures. Recent Trends in Financial</p>	<p>Module I: financial Mergers & acquisitions concept, process. Recent Trends in Financial Restructuring.</p> <p>Module II: Dimensions Financial Restructuring through Contraction and Expansion- Alliances & Joint Ventures. Employee Stock Ownership Plan, Going Private & Leveraged Buyouts</p> <p>Module III: Implementation of Merger and Acquisition Implementation of Merger and Acquisition, Post-Merger Issues and Demerger</p> <p>Module V: and Take-over</p> 

		Restructuring. Module IV: Provisions	
MBA(D)-F007	Corporate Tax Management	Module V: Goods & Service Tax A brief overview of Service Tax and Value Added Tax. GST: Introduction of GST, Need of GST, Important Definitions, Exempted goods and services and Tax Calculation Under GST	Module V: Service Tax and VAT Act 2003 Service Tax: Basis of charge of Service Tax, Classification of Taxable Services, Registration Valuation of Taxable services, Payment of service Tax. VAT: Introduction of VAT, Important Definitions, Exempted goods, Need of VAT, Calculation of VAT Overview of GST.

RESOLUTION
[No.: BOS/SBM/2017/2]

UNANIMOUSLY RESOLVED THAT the proposed changes in various courses in MBA Dual Specialization are accepted and approved with subject to the final approval of Academic Council

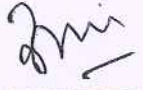
Item No. 4


Discussion and approval of proposed changes in the various courses of MBA


Course Code	Course Name	Addition	Removal
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MBA-103	Organizational Behavior	<p>Module I: models of individual behavior. Factors & theories of personality development</p> <p>Module II: : Concept, Attitude formation</p> <p>Module III: Type of groups:</p> <p>Module IV: Stress management. Organization Culture: An overview. Workforce Diversity</p>	<p>Module I:SOBC</p> <p>Workforce Diversity</p> <p>Module II: Concept & Types & sources of attitudes</p> <p>Factors & theories of personality development</p> <p>Module III: Group formation Organization Culture: An overview</p> <p>Module IV: stress management Constructive and Destructive conflict</p> <p>Organization Development</p>
MBA-105	Managerial Economics	<p>Module I: Principles of Economics: Incremental Marginal Principle, Opportunity Cost Principle, Discounting Principle, Concept of Time Perspective. Equi-Marginal Principle. Utility Analysis. Cardinal Utility and Ordinal Utility</p> <p>Theory of Demand & Supply.</p> <p>Module II: : Production & Cost Analysis</p> <p>Concept of Production, Factors of Production, Production function, Types of production function, Laws of production: Short-run & Long Run / Law of diminishing returns, Law of returns to scale, Cost output relationship in the short-run. Cost output relationship in the Long-run. Concept of Revenue.</p> <p>Module III: Concept of Market, Price and Output</p>	<p>Module I: Significance of Micro and Macro economics in managerial decisions. Indifference curve analysis. Law of Demand. Elasticity of Demand. Theory of Supply. Supply function. Elasticity of supply. Demand Forecasting.</p> <p>Module II: Costs</p> <p>: Long run and short run, Production Function – Laws of Return and Returns to Scale, Revenue analysis</p> <p>Module III: The Perfect Competition, Monopoly, Monopolistic Competition and Oligopoly.</p>

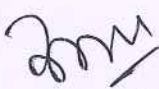

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		determination under Perfect and Imperfect competition (Monopoly, Monopolistic, Oligopoly & Monopsony) Product differentiation, kinked demand curve, cartels, price leadership. Pricing Strategies; full cost pricing, product line pricing, price skimming, penetration pricing	
MBA-203	Marketing Management	<p>Module I: Marketing Overview Nature, Scope and Functions of Marketing, Marketing Concepts and its evolution; An overview of Marketing Mix. Holistic Marketing, Concept of Marketing Myopia</p> <p>Module II: Differences between Consumer and Business Buyer Behavior</p> <p>Module IV: and Integrated Marketing Communications.</p>	Module I: The production concept, product concept, selling concept, the marketing concept Societal marketing.
MBA-204	Operation & Production Management	Module IV: -Tools for Quality Improvement	NIL
MBA-207	Management Information Systems	<p>Module I: Introduction to Information System Modern organizations- Data and information required for decision making. Types of decision making, Programmed and Non-programmed decisions, Decision making process,. Information Systems- Definition, Components, Types of Information systems and their functions. Centralized and Decentralized Information Systems.</p>	<p>Module I: Strategic advantage of MIS</p> <p></p> <p>Additional Registrar Jaipur National University Jaipur</p>

		<p>Module II: competing with IT- Competitive environment of Business, Using IT for Strategy Implementation</p> <p>Module IV: IT Outsourcing</p>	
MBA-302	Entrepreneurship And Small Business Management	<p>Module I: Myths about entrepreneurship, The need for entrepreneurs in our economy. Difference between intrapreneur and entrepreneur. Social entrepreneurship.</p> <p>Module II: Different aspect of entrepreneurial organization and performance of entrepreneurial skills</p>	NIL
MBA-M002	Advertising And Brand Management	<p>Module III: Role of Branding, Brand elements, Brand building- Brand positioning, Brand equity model Brand personality, Brand Image, Brand Identity, Co – Branding.</p> <p>Module IV: Brand Hierarchy</p> <p>Upward and downward stretching of brands</p>	<p>Module II: Agency-client relationship, the process of development an advertisement. Advertising planning and effectiveness,</p> <p>Module III: Roles and advantages, Selection Criteria for Brand Name, Symbol and Slogan, Brands Creation, Creation of brand personality Brand Image, Brand Identity, Brand Hierarchy; Brand-product Relationships, Brand Promotion Activities ,Co – Branding. Upward and downward stretching of brands.</p>
MBA-M003	Retail Management	<p>Module IV: Objectives, Techniques and benefits of Audit Technology, Factors to be considered before implementing audit technology.</p>	<p>NIL</p> 

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MBA-M004	Marketing Of Services	<p>Module I: Concept and Characteristics of Services – Intangibility, Inconsistency, Inseparability and Inventory; Search, experience and credence attributes</p> <p>Module II: Service Guarantee - Handling complaints effectively</p> <p>Module III: Services marketing triangle; Service profit chain.</p>	<p>Module I: Services Characteristics, and Issues,</p>
MBA-M005	Rural Marketing	<p>Module 1: Overview of Rural Marketing Rural Market in India- Size & Scope, Rural Development as a core area, Efforts put for Rural development by government (A brief Overview). Rural & Urban Consumers – a comparison. CSR and Marketing Ethics in Rural Marketing- Source of Financing and credit agencies</p> <p>Module II: Rural Consumer Rural Market Environment: Demographics, Economic Factors, Rural Infrastructure; Rural Consumer Behavior: meaning, Factors affecting Rural Consumer Behavior- Social, Cultural and Technological factors, Segmentation, Targeting & Positioning for rural market. New Product Development in Rural Marketing</p> <p>Module III: Marketing mix in Rural Market Relevance of for Rural market/Consumers. Product Strategies, Rural Product Categories – FMCGs,</p>	<p>Module 1: Principles of marketing as relevant to Rural marketing, Changing concept of marketing, Profiles of Urban/Rural customers and differences in their characteristics. Socio-cultural, Economic and other Environmental factors affecting Rural marketing.</p> <p>Module II: Media Planning & Distribution Marketing Mix-Product & Services in Rural Marketing, Channels of Distribution, Trade management, Media Planning of distribution channels and Organizing Personal selling in Rural markets in India. Advertising and Sales Promotion strategies for Rural marketing, Pricing in Rural Markets.</p> <p>Module III: Sales Management Strategic Areas in Rural Marketing- Marketing objectives, Sales target</p>


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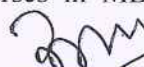
		<p>Consumer Durables, Agriculture Goods & Services; Importance of Branding, Packaging and Labeling. Pricing Strategies & objectives, Promotional Strategies, Distribution Strategies for Rural consumers. Channels of Distribution- HAATS, Mandis, Public Distribution System, Co- operative society.</p> <p>Module IV: Communication Strategy</p> <p>Challenges in Rural Communication, Developing Effective Communication, Determining Communication Objectives, Designing the Message, Selecting the Communication Channels. Advertisements for Rural Audiences. Rural Media- Mass media, Non-Conventional Media, Personalized media</p>	<p>strategies, Organizing for Rural marketing and New product launch techniques, Sales Management practices, Training, Motivation. Marketing Strategies, Policy for Consumer and Agricultural Products and Services.</p> <p>Module IV: Role of Institutions in Rural Marketing</p> <p>Rural Institutions- Role of Central & State government Institutions and Organizations in Rural Marketing, Unique features of Commodity Markets in India, Role of Co-operative Markets in India.</p>
MBA-M006	Sales And Distribution Management	<p>Module IV:</p> <p>Components of logistics: inventory, warehouse management, and transportation; Different Modes of Transport in India</p>	NIL
MBA-M007	Customer Relationship Management	Module IV: CRM in Telecom	<p>Module III: Components, CRM Roadblocks</p> <p>Module IV: Information Technology</p>
MBA-H001	Human Resource Development System And Strategies	<p>Module I: Relationship between HRM & HRD</p> <p>Module IV: HRD strategies and its types</p>	Module II: HRD Matrix.
MBA-H002	Manpower Planning & Management	Module III: Career Planning - Objectives, significance	 Additional Registrar Jaipur National University Jaipur

MBA-H003	Training And Development	Module III: Types of trainees	
MBA- H004 (In 2017 BOS members suggested to change the course title <u>International Human Resource</u>)	International HR And Cross Cultural Management <u>International Human Resource</u>	Module IV: IHRCCM-Trends & future challenges	NIL
MBA-H006	Compensation And Performance Management	<p>Module 1: Overview of Compensation Management</p> <p>Concept and Objectives Wages and Salary Administration at Macro (National) Level: Wage Policy, Institutional Mechanisms for Wage Determination, Pay Commission, Wage Boards, Public Sector Pay Revision, ILO and Collective Bargaining, Union Role in Wage and Salary Administration.</p> <p>Module II: Module: II Developing Compensation Programs</p> <p>Team based pay, Executive compensation, Compensation Strategy: New Thinking for the New Millennium: Pay the Person, Reward Excellence, Individualizing the Pay System, Organizational and External Factors Affecting Compensation Strategies, Compensation Strategies as an</p>	<p>Module I: Compensation Management: Introduction Overview of Compensation Management - Concept and Objectives,</p> <p>Module II: Compensation Structure & Programs</p> <p>Developing Compensation Programs Wage payments & Principles of reward strategy, Performance based rewards, Team based pay, Executive compensation. Funding Benefits through Voluntary Employees' Beneficial Association. An Overview of National Pension Scheme.</p> <p>Module III: Performance Management: Introduction</p> <p>Module IV: Competency Management</p>

		<p>Integral Part of HRM, Compensation Policies</p> <p>Module III: Performance Planning & Measuring Performance</p> <p>Module IV: Competency Analysis and Competency Mapping</p>	
MBA-F001	Financial Restructuring	<p>Module I: Corporate corporate, motives and Changes in ownership structure: and Master Limited partnership</p> <p>Module II: Financial restructuring</p> <p>Module III: Provisions</p>	<p>Module I: Financial Need of financial Mergers & acquisitions concept, process. Ethical issues of Mergers and Takeovers. Recent Trends in Financial Restructuring.</p> <p>Module II: Implementation of Merger and Acquisition</p>
MBA-F007	Corporate Tax Management	<p>Module IV: Goods and Services Tax A brief overview of Service Tax and Value Added Tax. GST: Introduction of GST, Need of GST, Important Definitions, Exempted goods and services and Tax Calculation Under GST</p>	<p>Module IV: Service Tax and VAT Act 2003 Service Tax: Basis of charge of Service Tax, Classification of Taxable Services, Registration Valuation of Taxable services, Payment of service Tax.</p> <p>VAT: Introduction of VAT, Important Definitions, Exempted goods, Need of VAT, Calculation of VAT Overview of GST.</p>

RESOLUTION
[No.: BOS/SBM/2017/3]

UNANIMOUSLY RESOLVED THAT the Changes in various courses in MBA are accepted and approved with subject to the final approval of Academic Council


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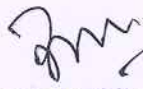
Item No. 5


Discussion and approval of proposed changes in the various courses of MBA (Hospital & Healthcare Management)

Course Code	Course Name	Addition	Removal
MBA (HHM)-103	Marketing Management	<p>Module I: Nature, Scope and Functions; Marketing Concepts and its evolution. An overview of Marketing Mix. Holistic Marketing, Concept of Marketing Myopia. Marketing environment – macro and micro components and their impact on marketing decisions</p> <p>Module II: Differences between Consumer and Business Buyer Behavior, Buying Roles in Industrial Marketing, Factors that Influence Business Buyers, Steps in Business Buying Process</p> <p>Module V: Integrated Marketing Communication</p>	<p>Module I: Evolution scope and Relevance of Marketing in Business, Societal marketing, Relationship marketing and E-Marketing. The Marketing Environment - Its Relevance, Elements.</p> <p>Module II: Understanding consumer and industrial markets</p>
MBA (HHM)-104	ESSENTIALS OF BIO STATISTICS	<p>Module III: Measures of Central Tendency, Measures of Dispersion, Regression, Correlation, Probability Distribution: Poisson, Binomial & Normal Distribution-Central Limit Theorem, Good estimator, Confidence Intervals– use of Excel in data analysis - univariate, bivariate and multivariate analysis</p> <p>Module IV: Sources of Vital Statistics, Sex Ratio, Expectation of Life at birth,, Age Specific Fertility Rate, Death Rate, Age, Death Rate, Infant Mortality Rate, Neo-natal</p>	<p>Module I: Direct and indirect research techniques – Data Collection in Quantitative and Qualitative Research - Organizing the data</p>


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		Mortality, Still Birth Rate, General Gross Reproduction Rate, Net Reproduction Rate, Case - Fatality Rate	
MBA (HHM)-201	Organizational Management of Clinical & Superspeciality Services	Module I: Marketing of hospital services, developing strategies for hospitals Module V: Cost effectiveness of operation theatre, operation theatre management, and role of infection control in operation theatres	NIL
MBA (HHM)-203	Health Economics	Module I: Nature of demand for healthcare services Module II: Cost benefit analysis of healthcare services Module III: Healthcare market structure, nature of healthcare market, Pricing of healthcare services Module IV: Government spending on healthcare, healthcare financing by government	"ESSENTIALS OF" Removed from the course name ESSENTIALS OF Health Economics and now the Course Title is health Economics
MBA(HHM)-204	Research Methodology	Module I: Precautions to be taken by the researcher Module V: Application of Statistical Software like SPSS and MS Excel in data analysis	Module I: Definition; Nature and Scope of Business Research Module V: Motivational Research Application of Computers in Research
MBA (HHM)-205	Essentials of Demography	Module III: Ratios: fertility rate, infant mortality rate, mortality rate. Module V: Population dynamics and associated problems.	Module I: Difference and similarities between Demography and Population Sciences Module III: Fertility & Mortality selected theories of fertility Module IV: Migration and urbanization - Urban challenge of health and environment Module V: Population composition, Growth & Problems - Population growth, reasons for sudden growth in population, problems


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			emerging out of that
MBA (HHM) 402	Program Planning, Implementation Monitoring and Evaluation	Program Planning, Implementation Monitoring and Evaluation title is replaced with "Project Management" and its new Course Code is MBA (HHM)-402.	
MBA (HHM) – 206	Diagnostic, Support & Utility Services	Module I: Diagnostic market structure, pricing of various tests in diagnostics and pathology labs Module III: Role Of CSSD in operation theatre management	NIL
MBA (HHM) -207	Hospital Materials, Equipment & Supply Chain Management	Module I: Healthcare Supply Chain Management should become the first module. Healthcare supply chain management: definition and concepts, evolution of healthcare supply chain management supply chain management in hospitals and other healthcare set ups, Logistics in healthcare, importance of cold chain and its role in healthcare and hospitals	Module I: Evolution of supply chain management, cold chain and its importance, logistics and supply chain
MBA (HHM)-302	Health Care Delivery System & Policy	Module I: Role of different healthcare organizations in delivering care Module V: National Health Policy 2017	NIL
MBA (HHM)-303	Hospital Facility, Safety and Risk Management	Module I: Role of Hospitals in is removed from title Safe Hospitals, hospitals role in reducing and preparing for disasters, medical health response to different disasters, governmental and nongovernmental response to disasters, disaster response plan, resource management: financial, medical, equipment, communication.	Module I: Role of Hospitals in Disaster Management 

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		Module IV: Affect of Nosocomial infection on hospital goodwill	
MBA (HHM)-305	Hospital Management Information System	Module IV: Healthcare Analytics Healthcare data analytics importance, meaning. Healthcare informatics, role of data in healthcare.	Module II: Health Records The world of Informatics Module IV: Software Applications in Health Care Awareness on the application of computer software packages in various functions of Hospital. Internet and Intranet and their application in healthcare.
MBA (HHM)-306	Quality & Accreditation in Healthcare	Module I: Dimensions of Quality Module II: Quality tools, SERVQUAL Model Module III- Quality certifications for different healthcare organizations like pharmaceuticals and medical devices Module IV: NABH Accreditation: Concept, importance, Structure of NABH, Scope, Objectives & process of Audit.	Module IV: To understand definition, importance of accreditation, concept of NABH accreditation, discussion on various objective elements of Hospital NABH accreditation
MBA (HHM)-401	Health Legislation and Legal Issues	Module III: Patents Act 1970, Section D with reference to new drugs and medicines	NIL
MBA (HHM)-403	Introduction to Epidemiology	Module V: Analytical Epidemiology: assessment of risk factors and spread of diseases	NIL

RESOLUTION
[No.: BOS/SBM/2017/4]

UNANIMOUSLY RESOLVED THAT the proposed changes in various courses in MBA (Hospital & Healthcare Management) are accepted and approved with subject to the final approval of Academic Council.


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Item No. 6

Discussion and approval of introduction of new courses in MBA (Hospital & Healthcare Management)

School of Business and Management has proposed to introduce the following new courses in MBA (Hospital & Healthcare Management)

S. No.	Course Code	Course Name
1	MBA(HHM) 101	Management Accounting
2	MBA(HHM) 102	Management Process and Organizational Behavior
3	MBA(HHM) 107	Information Technology in Management
4	MBA(HHM) 108	Comprehensive Viva
5	MBA(HHM) 202	Financial Management
6	MBA(HHM) 404	Health Financing and Insurance

RESOLUTION

[No.: BOS/SBM/2017/5]

UNANIMOUSLY RESOLVED THAT the above listed new courses for MBA (Hospital & Healthcare Management) are accepted and approved with subject to the final approval of Academic Council.

Item No. 7

Discussion and approval of the proposed Syllabus of new courses in MBA (Hospital & Healthcare Management)

RESOLUTION

[No.: BOS/SBM/2017/6]

UNANIMOUSLY RESOLVED THAT the syllabus of new introduced courses for MBA (Hospital & Healthcare Management) are accepted and approved as presented with changes and subject to the final approval of the Academic Council.

Item No. 8

Discussion and approval on introduction of following Value Added Courses on:

- For PG Programme
 - Data Analysis using Advance Excel
 - Disaster Preparedness and Response
- For UG Programme
 - Creative Writing
 - Logical Reasoning & Career Guidance
 - Digital Marketing
 - Statistics to Excel

Prof. Rajesh Mehrotra briefed about the rationale behind introducing above mentioned Value Added courses in UG & PG programme for the Academic Session 2017-2018.

RESOLUTION

[No.: BOS/SBM/2017/7]

UNANIMOUSLY RESOLVED THAT the above discussed value added courses are relevant henceforth approved with subject to the final approval of Academic Council.


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Item No. 9

Discussion and approval of the proposed Syllabus of Value Added Course on:

- For PG Programme
 - Data Analysis using Advance Excel
 - Disaster Preparedness and Response
- For UG Programme
 - Creative Writing
 - Logical Reasoning & Career Guidance
 - Digital Marketing
 - Statistics to Excel

RESOLUTION **[No.: BOS/SBM/2017/8]**

UNANIMOUSLY RESOLVED THAT the course content of all the Value Added Courses are accepted with the subject to the final approval of Academic Council.

The revised curriculum is attached as Annexure 1

Item No. 10

To discuss and approve the introduction of proposed program of B.Com Honors Accountancy and Business Statistics and Business Administration under elective system to be implemented from academic session 2017-18

The point of discussion was as follows:

The chair gave the presentation for introduction of B.Com honors includes specialized courses. **B.Com (Honors)** is one of the most professional courses in the field of commerce that most of the students pursue to become an Accountant, Tax Specialist, Investment Banker, Financial Consultant, and to pursue other similar roles. Honors Program allows and encourages students in higher education to pick a course of their own choice from a rundown of prescribed elective, core and selective foundation courses. Introduction of the systems opens the door to smart and integrated classroom learning opportunities whilst preserving the aims and objectives of education. The nomenclature of Program is attached herewith. A Panel of experts discussed the relevance of running B.Com (Honors) program to facilitate the learning process of the students by giving them more options as per their interest.

RESOLUTION **[No.: BOS/SBM /2017/9]**

The board unanimously resolved that the proposed program of B.Com Honors with specialization in Business Administration and Accountancy and Business Statistics to be introduced from academic session 2017-18 is approved with suggested changes.

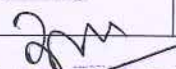

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Item No. 11

Discuss and approve the proposed syllabus and Exam Scheme of B.Com Honors (Accountancy and Business statistics) and (Business administration) under elective Program.

Course outline of B.Com Honors Accountancy and Business Statistics

SEMESTER -I		SEMESTER -II	
B.Com (ABS 101)	Principles of Management	B.Com (ABS201)	Legal Aspects of Business
B.Com (ABS102)	Business Economics	B.Com (ABS 202)	Economic Environment
B.Com (ABS 103)	Computer Applications	B.Com (ABS 203)	Business Statistics
B.Com (ABS 104)	Fundamentals of Accounting	B.Com (ABS 204)	Advanced Accounting
B.Com (ABS 105)	Business Mathematics	B.Com (ABS205)	Cost Accounting
B.Com (ABS106)	Financial Accounting	B.Com (ABS206)	Financial Management
		B.Com (ABS 207)	Industry Visit Report
SEMESTER -III		SEMESTER -IV	
B.Com (ABS 301)	Business Communication	B.Com (ABS 401)	Business Ethics
B.Com (ABS 302)	Macro Economics	B.Com (ABS 402)	Indian Financial System
B.Com (ABS 303)	Principles & Practices of Auditing	B.Com (ABS 403)	Management Accounting
B.Com (ABS 304)	Corporate Accounting	B.Com (ABS 404)	Project Management*
B.Com (ABS 305)	Cost Analysis & Control	B.Com (ABS 404A)	Event Management *
B.Com (ABS 306)	Quantitative Techniques	B.Com (ABS 404B)	Production & Operation Management*
		B.Com (ABS 405)	Income Tax Law & Practice
		B.Com (ABS 406)	Cost & Management Audit
SEMESTER -V		SEMESTER -VI	
B.Com (ABS 501)	Environmental Management	B.Com (ABS 601)	Marketing Management
B.Com (ABS 502)	Company Law	B.Com (ABS 602)	Management of Financial Institution
B.Com (ABS 503)	Business Budgeting	B.Com (ABS 603)	E-Commerce
B.Com (ABS 504)	Entrepreneurship and Skill Development	B.Com (ABS 604)	Business Research Methods
B.Com (ABS 505)	Goods & Service Tax	B.Com (ABS 605)	Financial Reporting *
B.Com (ABS 506)	Security Analysis & Portfolio Management*	B.Com (ABS 605)	Financial & Commodity Derivatives*
B.Com (ABS 506A)	Advance Statistics *	B.Com (ABS 605)	Risk Management – Tools & Application*
B.Com (ABS 506B)	Merchant Banking & Corporate Restructuring*	B.Com (ABS 606)	Corporate Tax Management
B.Com (ABS 507)	Summer Training Report	B.Com (ABS 607)	Report on Recent Trends in Finance


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SEMESTER -I		SEMESTER -II	
B.COM (BAM 101)	Fundamentals of Accounting	B.COM (BAM 201)	Financial Accounting
B.COM (BAM 102)	Business Economics	B.COM (BAM 202)	Economic Environment
B.COM (BAM 103)	Principles of Management	B.COM (BAM 203)	Business Communication
B.COM (BAM 104)	Computer Applications	B.COM (BAM 204)	Legal Aspects of Business
B.COM (BAM 105)	Marketing Management	B.COM (BAM 205)	Consumer Behaviour
B.COM (BAM 106)	Business Organisation	B.COM (BAM 206)	International Business
		B.COM (BAM 207)	Industry Visit Report
SEMESTER -III		SEMESTER -IV	
B.COM (BAM 301)	Business Statistics	B.COM (BAM 401)	Management Accounting
B.COM (BAM 302)	Macro Economics	B.COM (BAM 402)	Financial Management
B.COM (BAM 303)	Human Resource Management	B.COM (BAM 403)	Business Ethics
B.COM (BAM 304)	Product & Brand management	B.COM (BAM 404)	Industrial Relations
B.COM (BAM 305)	Operation Management	B.COM (BAM 404A)	Labour Welfare & Social Security
B.COM (BAM 306)	Marketing of Services	B.COM (BAM 404B)	Talent Management
		B.COM (BAM 405)	Retail Management
		B.COM (BAM 406)	Outsourcing Management
SEMESTER -V		SEMESTER -VI	
B.COM (BAM 501)	Indian Financial System	B.COM (BAM 601)	Project Management
B.COM (BAM 502)	Income Tax Law & Practice	B.COM (BAM 602)	Principles & Practices of Auditing
B.COM (BAM 503)	Company law	B.COM (BAM 603)	Organization Behavior
B.COM (BAM 504)	Entrepreneurship & Skill Development	B.COM (BAM 603A)	Human Resource Development
B.COM (BAM 505)	Principles & Practices of Insurance	B.COM (BAM 603B)	History of Management Thought
B.COM (BAM 505A)	Sales & Distribution Management	B.COM (BAM 604)	Business Research Methods
B.COM (BAM 505B)	Supply Chain Management	B.COM (BAM 605)	E-Commerce
B.COM (BAM 506)	Strategic Management	B.COM (BAM 606)	Environmental Management
B.COM (BAM 507)	Summer Training Report	B.COM (BAM 607)	Report on Recent Trends in Marketing

RESOLUTION
[No.: BOS/SBM/2017/10]


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COLLECTIVELY RESOLVED THAT the program outline of B.Com Honors (Accountancy and Business) and (Business administration) is accepted and approved as presented with changes subject to the final approval of the Academic Council


The Board went through the scheme and syllabus for new program with specialization in Accountancy and Business Statistics and Business Administration, with 30 seats each, from the upcoming session 2017-18.

It is attached as annexure.

Item No.12

Discuss and approve proposed revision in curriculum of BBA

Proposed Revision in curriculum of BBA to be implemented from 2017-18

COURSE CODE	COURSE NAME	ADDITION	REMOVAL
BBA 102	BUSINESS COMMUNICATION	MODULE III Report Writing	MODULE V Report Writing
BBA -103	PRINCIPLES OF MANAGEMENT	<p>MODULE I -Evolution of Management thought – Classical Approach – Taylor, Fayol; Hawthorne Experiment, System Approach & Contingency Approach</p> <p>MODULE II -MBO, Planning & decision making</p> <p>MODULE III Heading changed Organisation</p> <p>MODULE III c-goals structure process and principles of organisation Formal and informal organisation Authority and responsibility Delegation of authority centralization and decentralization</p> <p>MODULE IV Leadership functions and qualities</p>	<p>MODULE I- MBO, Planning & decision making</p> <p>Module III Communication course. Significance , channels of communication types process barriers and remedies leadership functions and qualities Leadership functions and qualities</p>
BBA 402	TAX MANAGEMENT	MODULE I Introduction to Goods & Service Tax – A	 Additional Registrar Jaipur National University Jaipur

		Conceptual Framework	
BBA 405	ENTREPRENEURSHIP DEVELOPMENT	<p>Course title changed Entrepreneurship and skill Development</p> <p>MODULE II Heading changed Institutional assistance and Entrepreneurship Development</p> <p>MODULE II Entrepreneurship Development in India: History, Objectives, Stages of Growth, Target Groups & Programs</p> <p>MODULE III Heading changed Project Formulation Startup India Campaign</p> <p>MODULE IV Heading Skill Development</p> <p>MODULE IV Meaning, Need, and Role in Entrepreneurship. Pradhan Manri Kaushal Vikas Yojna, National Policy on Skill Development 2015, NSDC. Career Development Schemes under Skill India</p>	<p>MODULE II Small Industries Service Institute</p> <p>MODULE III Project feasibility Heading</p> <p>MODULE IV Entrepreneurial Development in India - Entrepreneurship Development in India : History ,Objectives ,Stages of Growth , Target Groups & Programs Policy towards SSI EDP role relevance and achievements</p> <p>Module V- sickness of Small Scale, Industry, ways to overcome</p>
BBA 407	SURVEY REPORT	Evaluated by External Examiner along with Internal Examiner	
BBA 507-	SUMMER TRAINING REPORT	Evaluated by External Examiner along with Internal Examiner	
BBA 207	INDUSTRIAL TOUR REPORT	Evaluated by External Examiner along with Internal Examiner	


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RESOLUTION

[No.: BOS/SBM/2017/11]

UNANIMOUSLY RESOLVED THAT the proposed revision in curriculum of BBA are accepted and approved with subject to the final approval of Academic Council.

Item No. 13

Discuss and approve proposed revision in curriculum of B.Com

Proposed Revision in curriculum of B.Com to be implemented from 2017-18

COURSE CODE	COURSE NAME	ADDITION	REMOVAL
B.Com 206	BUSINESS COMMUNICATION	MODULE III Report Writing	MODULE V Report Writing
B.Com - 104	PRINCIPLES OF MANAGEMENT	<p>MODULE I -Evolution of Management thought – Classical Approach – Taylor, Fayol; Hawthorne Experiment, System Approach & Contingency Approach</p> <p>MODULEII -MBO, Planning &decision making</p> <p>MODULE III Heading changed Organisation</p> <p>MODULE III c-goals structure process and principles of organisation Formal and informal organisation Authority and responsibility Delegation of authority centralisation and decentralisation MODULE IV Leadership functions and qualities</p>	<p>MODULE I-MBO, Planning &decision making</p> <p>Module III Communication course. Significance , channels of communication types process barriers and remedies leadership functions and qualities Leadership functions and qualities</p>
B.Com 501	TAX MANAGEMENT	MODULE I Introduction to Goods & Service Tax – A Conceptual Framework	
B.Com 503	ENTREPRENEURS HIP DEVELOPMENT	<p>Course title changed Entrepreneurship and skill Development</p> <p>MODULE II Heading changed Institutional assistance and Entrepreneurship Development MODULEII Entrepreneurship Development in India : History ,Objectives Stages of Growth , Target</p>	<p>MODULE II Small Industries Service Institute</p> <p>MODULE III Project feasibility Heading</p> <p>MODULE IV Entrepreneurial Development in India - Entrepreneurship Development in India</p>

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		Groups & Programmes MODULE III Heading changed Project Formulation Startup India Campaign MODULE IV Heading Skill Development MODULE IV Meaning, Need, and Role in Entrepreneurship. Pradhan Manri Kaushal Vikas Yojna, National Policy on Skill Development 2015, NSDC. Career Development Schemes under Skill India	: History, Objectives, Stages of Growth , Target Groups & Programs Policy towards SSI EDP role relevance and achievements Module V- sickness of Small Scale Industry, ways to overcome
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RESOLUTION

[No.: BOS/SBM/2017/12]

UNANIMOUSLY RESOLVED THAT the proposed revision in curriculum of BBA are accepted and approved with subject to the final approval of Academic Council.

Item No. 14

Confirmation and approve regarding "No Change" proposed for Ph.D.

RESOLUTION

[No.: BOS/SBM/2017/13]

UNANIMOUSLY RESOLVED THAT the program outline of Ph.D accepted as same as earlier and approved with subject to the final approval of the Academic Council

Item No. 15

Discuss and approve the feedback collected for Curriculum from stakeholders

RESOLUTION

[No.: BOS/SBM/2017/14]

UNANIMOUSLY RESOLVED THAT the Guest lectures should be organized frequently for the students to groom their overall knowledge and enrich them with industry experiences.

Any other matter with the permission of the Chair

To approve the policy of seminar through smart classes


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ommended the above resolutions to be presented in the Academic Council for

ed with the vote of thanks to the Chair


Signatory


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JAIPUR NATIONAL UNIVERSITY, JAIPUR



BOARD OF STUDIES

2017-18

SCHOOL OF SOCIAL SCIENCES


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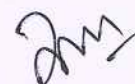
BOARD OF STUDIES IN THE SCHOOL OF SOCIAL SCIENCES

AGENDA

The meeting of the Board of Studies in the School of Social Sciences for the year 2017-18, will be held on 21 January, 2017 at 1:00 pm in the Board room of SADTM Campus, Jaipur National University.

The following agenda will be discussed in the meeting:-

1. Confirmation of the minutes of the meeting held on 16, January 2016.
2. Action taken report.
3. To discuss and approve the Guideline for concurrent field work MSW
4. To discuss and approve on the Value added courses **"Development Of Communication Skill And Professionalism"**
5. To discuss and approve the new elective paper in M.Phil Social Work-MPHSW 304 (Mental Health).
6. To discuss and approve the provision for format for a parent teacher meet and for student and faculty evaluation form for all the students.
7. To prepare the learning outcome of MSW entire course
8. Any other matter with the permission of Chair.



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BOARD OF STUDIES IN THE SCHOOL OF SOCIAL SCIENCES

Minutes Of The Meeting Held On 21st January, 2017

The meeting of the Board of Studies in the School of Social Sciences for the year 2017-18, was held on 21st January, 2017 at 2:00 pm in the Board Room at SADTM Campus, Jaipur National University.

The Following Members Attended the Meeting:-

S. No.	Name	Designation
1.	Prof. H.N.Verma	Chairperson
2.	Prof. K.L.Sharma	Pro-Vice Chancellor and Director of SOSS.
3.	Prof. R.S.Lokhande	Director -Research Cell
4.	Prof. (Mrs.) Kamala Vashistha	External Subject Expert
5.	Prof. K.K.Rattu	External Subject Expert
6.	Dr. Achla Sharma	Faculty member
7.	Dr. Chandra Kanwar	Faculty Member
8.	Mr. Deepak K Yogi	Alumni

The following members expressed their inability to attend the meeting:

S. No.	Name	Designation
1.	Prof. Achala Sharma	Faculty member

Chairman of the Board, addressed the members and introduced external BOS Members to the board and further internal members introduced themselves

Item No. 1

Confirmation of the Minutes of the Meeting Held On 16 January 2016.

The minutes of the meeting held on **16 January 2016** were read and confirmed unanimously by all the members.

RESOLUTION **[No.: BOS/SOSS /2017/1]**

UNANIMOUSLY RESOLVED that the minutes of BOS Meeting held on **16 January 2016** were hereby confirmed.

Item No. 2

Action Taken Report

Implementation of revised curriculum for MSW Programme for me, II, III & IV Semester as Per New Guideline.


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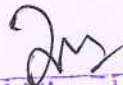
The revised curriculum discussed and approved with Resolution No. BOS/SOSS/2016/2 with suggestions has been implemented from July, 2016 for the following courses:-

S. No.	Semester	Title of Courses
1.	I	MSW 1.1-Origin and development of Social Work. MSW 1.2-Personality and Dynamics of Human Behaviour ,1.4 Social Case Work: Theory and Practice 1.5- Group Work: Theory and practice, FWP-01 - Field-work Practicum & Viva-voce
2.	ii	MSW 2.1Social and Human Development, MSW 2.1Population and Environment, MSW 2.1Community Organization: Theory and Practice, MSW 2.1Social Work Research, MSW 2.1 Social Welfare Administration and Social Action & FWP-01 Field-work Practicum & Viva-voce
3.	iii	Compulsory Courses – MSW- 3.1, Social Work: Themes and Perspectives MSW3.2- Social Policy and Planning in India, MSW 3.3-Social Statistics and Computer applications, MSW 3.4-Trade Unions and Industrial Relations, MSW 3.5-Labour Welfare and Social Security. , MSW 3.6Women and Society in India, MSW 3.7 Youth Welfare and Development FWP–3- Field-work Practicum & Viva-voce
4.	iv	MSW- 4.1, Counseling and Communication MSW- 4.2, Participatory Approaches to Development and Social Work Practice Skills MSW- 4.3, Political Economy and Development Specializations (Elective Papers) - I. Labour Welfare and Human Resource Management - MSW 4.4 Human Resource Management, MSW 4.5, Labour Legislations in India II. Family-cantered Social Work Intervention- MSW 4.6 Child Welfare and Development, MSW 4.7 Welfare of the Aged- FWP-4.1 Field-work Practicum

2. Preparation and Implementation of New Course Curriculum for MPhil (Sociology), MPhil (Social Work) I Semester.

The new course curriculum was discussed and approved with Resolution no. BOS/SOSS/2016/3 with suggestions has been implemented from 2016 , for the following courses:

S. No.	Semester	Title of Courses
1.	Mphil (MSW)	MPhil (Social Work) total five papers two core and three Elective papers, MPHSW 301: Theoretical and Conceptual Issues in Social Work , MPHSW 302: Social Work Research, MPHSW 303: Social Work in Industry, MPHSW 304: Mental Health, MPHSW 305: Rural and Urban Community Development in India, and MPHSW 306: Dissertation
2.	Mphil (Sociology)	MPhil (Sociology) Total five papers two core and two Elective papers, Theoretical Orientations in Sociology Research Methodology MPHS 103: Social Labour Welfare MPHS 104: Rural and Urban Community Development and MPHS 105- Dissertation


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Item No 3

To Discuss and Approve the Guidelines for Concurrent Field Work MSW Guideline

S. No.	Semester	Title of Courses
2.	I,II,III,IV	FWP – All 4 semester / Viva –Voce./

The Field Work detail for first and second semester (**Annexure -01**, Field Work Practicum guideline) was presented and discussed by HOD School of social sciences before the BOS Members, (Copy of **Guideline for Co-Current Field Work- Annexure -01**) which was appreciated and approved by members.

RESOLUTION

[No.: BOS/SOSS /2017/2]

UNANIMOUSLY RESOLVED that the Field Work Practicum guideline approved and appreciated by members and confirm to implement this guideline along with all semester MSW students since July next session 2017.

Item No. 4

To discuss and approve on the Value-added courses “Development Of Communication Skill And Professionalism”

S. No.	Semester	Title of Courses	Eligible for	Credit
2.	I & II Sem.	VAEC – 104- Development Of Communication Skill And Professionalism”	MSW and MPhil (Sociology And Social Work) Students	30

“**Development of Communication Skill and Professionalism**” Value added course curriculum and above guideline was discussed with all the members. Prof. K.L.Sharma and Dr. Achala Sharma gave some suggestions to add in course, which was added in unit II and V and course curriculum approved by all BOS members. It was also discussed that this course will be initiated for all the department programme students. (Find programme curriculum and copy of certificates-02&3).

RESOLUTION

[No.: BOS/SOSS /2017/3]

UNANIMOUSLY RESOLVED that the “**Development of Communication Skill and Professionalism**”. Values added course curriculum and guideline was approved and appreciated by members and confirm to implement this guideline along all MSW since June 2017 (Three hours per day).

Item No. 5


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1. To Discuss and Approve An Elective Paper In M.Phil Social Work.

An approval was unanimously resolved that an elective paper in M.Phil Social Work will be implemented from the next year.

The name of the elective paper is Mental Health and the subject code is MPHSW 304. (Find Course curriculum and course code) The following curriculum was finalized:

Unit I- Mental Health.

Unit II- Psycho Sexual Development and Mental Health.

Unit III- Counseling.

Unit IV- Primary Methods of Social Work and Mental Health.

Unit V- Community Mental Health.

The paper will be of 100 marks. (Annexure- 04, copy of the course curriculum)

2. Change in syllabus of MPhil Social work

Old syllabus

MPHSW 303: Social Work in Industry

UNIT I

INDUSTRY and Industrialization, Labour in an Industrial setup, Nature of Indian Labour Concept in Organized and Unorganized sector

Management of Labour Welfare Activities. Role of Labour Welfare Officer.

UNIT II

LABOUR WELFARE: Genesis and Dynamics of Labour Welfare, Policies and Programmes.

UNIT III

INDUSTRIAL RELATIONS: Nature and Dynamics. Industrial Disputes: Causes and Measures-Bipartite and Tripartite Devices. Role of Trade Unions, Strikes, Closures and Resolutions.

UNIT IV

HUMAN RESOURCE DEVELOPMENT: Philosophy and Practice.

Organizational Development, Leadership, Team Building and Total Quality Management.

NEW SYLLABUS

MPHSW 303: Social Work in Industry

UNIT I

INDUSTRY and Industrialization, Labour in an Industrial setup, Nature of Indian Labour Concept in Organized and Unorganized sector

Definition, meaning, concept, nature and importance of Social Welfare. **Schemes of welfare;-**


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Women's Self Help Groups, Anti poverty programme, Employment Guarantee Schemes. Swarn Jayanti Gram Swarozgar Yojana, Special Component Schemes, Welfare of scheduled castes and scheduled tribes and Other Backward Classes

Main areas of social welfare

Social Justice

Definition, meaning, concept and importance of social justice, Equality before law. Human Rights & Fundamental Rights for social justice, Constitutional provisions and safe guards for minority and SC, ST, NT, OBC

Management of Labour Welfare Activities. Role of Labour Welfare Officer.

UNIT II

Labour Welfare: Concept, definition, philosophies, need, objectives, principles, scope and limitations of labour welfare;

Historical development of labour welfare in India. Statutory and Non-Statutory Welfare Provisions: Industrial Counseling - Pre-retirement, Quality of work life. Role of Social worker in industrial setting.

Social security: Concept of social security- The E.S.I Act 1948 - The Employees Provident Fund and Miscellaneous Provisions, Act 1952 - The Employees Pension Scheme, Act 1995 - The Payment of Gratuity, Act 1972 - The Employee Compensation, Act 2010 - The Maternity

Benefit, Act 1961, *Social insurance & social assistance.*

UNIT III

Definition - Concept - Need, Importance, Scope, Objectives of industrial Relations - Factors influencing Industrial Relations, Bipartite and Tripartite bodies in Industrial Relations - Joint

Management committee - Works committee- Indian labour conference - Standing labour committee- Settlement wage. Meaning, Concept, Objectives, Scope, Important determinant and reflectors, Various Approaches to Industrial Relations

- Industrial relations policy in India.
- Nature and importance of Industrial Relations in Industrial development of India.
- Dominant aspects of industrial relations: Industrial Co-operation and Conflict.
- Industrial Conflict: Nature, manifestations and etiology of industrial conflicts and Industrial disputes.

UNIT IV

Personnel Management and Human Resource Management:

Definition, Growth and Evolution of Personnel management, Difference between PM & HR. **Human Resource Management:** Definition, Importance and Objectives,

Management functions: Operative and Managerial - Role of Human Resource Manager

Human Resource Planning: Definition, Need, Process

- **Job analysis:** Job Description, Job specification, Job evaluation

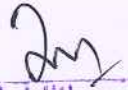
- **Recruitment:**

Meaning, Sources of Recruitment (internal and external), recent trends in Recruitment - **Selection:** Meaning and Steps - *Placement and Induction*

Role of HRD functionaries.

RESOLUTION **[No.: BOS/SOSS /4]**

UNANIMOUSLY RESOLVED that an elective paper will be implemented in M.Phil Social Work in first semester July, 2018.


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Item No.6

A Parent Teacher Meet and For Student and Faculty Evaluation Form

About the Parent Teacher Meet and for Student and Faculty an Evaluation Form was presented by HOD school of social sciences to discuss and approve for a parent teacher meet and for student evaluation form for all the students.

A feedback form for all the students that will be filled by their respective mentors was presented before the members of the meeting to get it approved.

The members were told about the importance and need of this feedback form as it would ensure the students about their weak and strong points as well as the teacher about the overall performance of the student.

The following format was discussed and then it got approved.

RESOLUTION **[No.: BOS/SOSS /2017/5]**

UNANIMOUSLY RESOLVED and approved the provision for format for a parent teacher meet and for student evaluation form for all the students since next coming session.

Item No.7

To prepare the learning outcome of MSW entire course

The revised curriculum outcome discussed with members and approved vide Resolution no. **BOS/SOSS/2017/4-5** with suggestions add this for implementation from July 2017, for the following courses

S.No.	Semester	Title of Courses
1.	Ist and third	MSW (Semester ist and third semester) five core courses and two elective papers


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	semester	(two each) MSW 1.1 to 1.5 and FWP-1 i.e. Origin and Development of Social Work, Personality and Dynamics of Human Behaviour, Human Society and Culture, Social Case Work: Theory and Practice , Group Work: Theory and Practise, Field work; Field-work Practicum & Viva-voce (Third semester) Compulsory Papers- MSW-3.1-3.3 Social Work: Themes and Perspectives, Social Policy and Planning in India, Social Statistics and Computer Applications & ELECTIVE PAPERS- 3.4 Trade Unions and Industrial Relations & 3.5, Labour Welfare and Social Security
1.	II and IV Semester	M SW (Semester II) 2.1- 2.5 , Social and Human Development, Population and Environment, Community Organization: Theory and Practice, Social Work Research, Social Welfare Administration and Social Action and , FWP-2, (IV semester) Core Papers 4.1 to 4.3- Counseling and Communication, Participatory Approaches to Development and Social Work Practice Skills, Political Economy and Development Elective Papers- MSW 4.4- 4.6- Human Resource Management, Labour Legislations in India, Child Welfare and Development- FAMILY- Cantered Social Work Intervention- 4.7 Welfare of the Aged, 4.1 & 4.2 FWP- Field-based Research Report Project Work/ Dissertation

All the programme and courses learning outcome discussed few members give minor suggestions which was included and finalized. (See Annexure -01, programme and new course curriculum of each course as per CBSC guideline)

It was also discussed the reasons, why school of social sciences changed this entire course curriculum. As per UGC new guideline every university have to change their entire course curriculum as per UGC guideline. All members appreciated this effort and approved the new syllabus with few changes as provided by them.

RESOLUTION [No.: BOS/SOSS/2017/6]

UNANIMOUSLY RESOLVED THAT the School of Social Sciences has prepare and approved the and add new Learning outcome in course curriculum new course curriculum of MSW – 1 to IV semester and Changes subject to the final approval of Academic Council It will be implemented from July 2018, by school of Social Sciences.

Item No.08

Any Other Matter with the Permission of the Chair

- About to prepare the Guideline for Co-current Field work for II & IV year MSW students. In department field work supervisor will take this responsibilities.


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- To prepare the Guideline for block placement as per UGC rules. Department will prepare this very soon.

Board of Studies recommended the above resolutions to be presented in the Academic Council for further final approval

The meeting ended with the vote of thanks to the Chair

Chairperson

Item No. 4

PAPER NO – VADC- 104 TITLE OF THE PAPER:

DEVELOPMENT OF COMMUNICATION SKILLS AND PROFESSIONALISM

Objectives:

- Acquire understanding of various methods of communication and concepts and skills And competence to use the same.
- Understanding the process of self-awareness and relevance of self-awareness for Personal and professional development.
- Develop practice based skills and positive life skills for competence in personal life and professional practice.
- Understand and uphold professional values and ethics.

COURSE CONTENT:

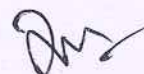
Unit-I

Communication: Concept, scope and Process of Communication. Barriers to effective Communication. Verbal and non - verbal communication.

Types of Communication: Inter-personal methods of communication - workshop, Demonstration, meeting, panel discussion, simulation games, role play and street theatre. Audio, visual and audio - Visual Aids in communication: Audio Aids - Folk songs, music Audio cassettes. Visual Aids - Posters, slides, photographs, paper clippings, exhibition, flash Cards, flannel graphs, use of notice boards, chalk boards, puppets, and overhead projector, LCD projector, Audio-Visual Aids - video cassettes,

Unit II

Communication skills: Effective speaking, principles of effective oral communication,



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Public speaking skills speech preparation, technique of effective speech, Effective writing Skills, what is draft, meaning and objectives of written communication, essential of written Communication, reports, letters and News reporting, essay writing, hand bill, pamphlets, Newsletters, Role of Information, education in effective communication.

Unit-III

Self and Self Awareness: Techniques of understanding self: (Intra and interpersonal) and Self Development: Meaning, concept, significance of understanding self and factors affecting Self, reaction of self to various life situations: achievements, frustration, failure and crisis, SWOT analysis; Johari window; Mirror reflection techniques; six thinking Hats techniques. Self-Development: meaning and Concept, Use of yoga and meditation for self-development.

Unit-IV

Attributes of Professional Personality: Qualities and traits; Values and attitudes; Creativity; Habits; Skills. Pleasing personality, Developing a Pleasing Personality, Time Management, Etiquette and Manners, Presentation Skills. Development of professional self-concept, Professional ethics and values.

Unit-V

Professional Integrity, Competence and Burnout in Professional Practice: professional Knowledge, critical thinking, Acceptance of self and others, decision making, burnout- causes and impact, prevention and coping with burnout, stress management

REFERENCE:

1. Abhinarayana S P (1964) : Social Psychology, Bombay Allied Publishers Pvt Ltd
2. Alvia A Goldberg, Carl Lason (1975): Group Communication: and Application, New Jersey: Prentice Hall, Inc, Eaglewood Cliffs.
3. Beryl, Williams (1977) : Communicating Sterling Publications Effectively, New Delhi:
4. Chopra, BS. KS. (1987): Leadership for Indian Manager, Pune: Times Research Foundation.
5. Crispin Cross P. (1974) : Interviewing and Communication, Boston : Rutledge and Kegen Paul
6. Davas, Rustam (1993): Creative Leadership, New Delhi: UBS Publishers.
7. Davis, Martin (Ed.) (2002): Companion to Social Work, USA: Blackwell Publishers Ltd.
8. Heun, Linda R., Heun, Richard E. (2001) Developing Skills for Human Interaction, London :
9. Charles E. Merrill Co.
10. Joyce, Lishman (1994): Communication in Social Work, New York: Palgrave.
11. Kuppuswamy B (1961) : An Introduction to social Psychology, Bombay Asia Publishing House
12. Mark, Doel and Shardlow, (2005): Modern Social Work Practice, England: Ashgate Publishing Ltd.



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**BOARD OF STUDIES
2017-18**

SCHOOL OF ENGINEERING & TECHNOLOGY


Assistant Registrar
Jaipur National University
Jaipur

BOARD OF STUDIES MEETING

AGENDA

The meeting of the Board of Studies in Electronics and Communication for the year 2017-18, will be held on **07 Oct, 2017** at 10:30 am in Director's office, SOET, Engineering Block Main Campus, Jaipur National University, Jaipur.

The following agenda will be discussed in the meeting:

B.Tech.

- **Item No. 1.** Confirmation of the minutes of the meeting held on 23 April, 2016
- **Item No. 2.** Action taken report
- **Item No. 3.** . To discuss and approve the introduction of new subject with Syllabus "**Random Variables & Stochastic Processes**" in the Semester III of B.Tech E & C.
- **Item No. 4.** To discuss and approve the introduction of new Lab with Syllabus "**Data Structures & Algorithms Laboratory**" in the Semester III of B.Tech E & C
- **Item No.5.** To discuss and approve the introduction of new Lab with Syllabus "**Object Oriented Programming Laboratory**" in the Semester IV of B.Tech E & C
- **Item No. 6.** To discuss and approve the introduction of new Subject with Syllabus "**TV & RADAR Engineering**" in the Semester VI of B.Tech E & C
- **Item No. 7.** To discuss and approve the introduction of new Subject with Syllabus "**Enterprise & Java programming**" in the Semester VII of B.Tech (E & C)
- **Item No. 8** To discuss and approve the introduction of new Subject with Syllabus "**Java programming Lab**" in the Semester VII of B.Tech (E & C)
- **Item No. 9.** To discuss and approve the introduction of new Subject "**Industrial Project**" in the Semester VIII of B.Tech (E & C)
- **Item No. 10.** To discuss and approve the introduction of new Subject "**Comprehensive Viva Voce**" in the Semester VIII of B.Tech (E & C)
- **Item No. 11.** To discuss and approve the revision in the contents of "**Network Analysis and Synthesis**" in the Semester IV of B.Tech E & C
- **Item No. 12** To discuss and approve the revision in the contents of "**Electromagnetic Field Theory**" in the Semester IV of B.Tech E & C


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- **Item No. 13.** To discuss and approve the revision in the contents of “**Electronics CAD Lab**” in the Semester VI of B.Tech E &C
- **Item No. 14.** To discuss and approve the revision in the contents of “**Optimization Techniques**” in the Semester VI of B.Tech E &C

M.Tech. Communication and Signal Processing

- **Item No. 15.** To discuss and approve the revision in the contents of “**Antenna Theory**” in the Semester I of M.Tech. Communication and Signal Processing.

M.Tech. Embedded System

- **Item No. 16.** To discuss and approve the revision in the contents of “**Advanced Computer Architecture**” in the Semester III of M.Tech. Embedded System.

The following members attended the meeting:

S.No.	Name	Designation
01	Prof. H.N. Verma	Chairperson
02	Prof. R.C. Purohit	Director, SOET, JNU ,Jaipur
03	Dr. Rajiv Tiwari	External Subject Expert
04	Dr. Vijay Janyani	External Subject Expert
05	Mr.A.K. Singh	External Subject Expert
06	Mr.Mohit Jain	External Subject Expert
07	Prof. Sudhir Kumar Sharma	Member
08	Mr.Puneet Kalia	Member
09	Mr.Aditya Kumar Singh Pundeer	Member
10	Mr.Sandeep Bairwa	Member
11	Mr.Pankaj Kumar Goswami	Member


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BOARD OF STUDIES IN SCHOOL OF ENGINEERING & TECHNOLOGY

Minutes of the meeting held on 07 OCT, 2017

The meeting of the Board of Studies in Electronics and Communication, for the year 2017-18, was held on 07 OCT, 2017 at 10:30 am in Director's office, SOET, Engineering Block, Main Campus, Jaipur National University, Jaipur.

Chairman of the Board, addressed the members and introduced external BOS Members to the board and further internal members introduced themselves

Item No. 1

1. Confirmation of the minutes of the meeting held on 23 April, 2016.

The minutes of the meeting held on **23 April, 2016** were read and confirmed unanimously by all the members

RESOLUTION

[No.: BOS/SOET/EC/2017/1]

UNANIMOUSLY RESOLVED THAT the minutes of BOS Meeting held on **23 April, 2016** was hereby confirmed.

Item No. 2

Action Taken Report

2. The revised curriculum discussed and approved vide **Resolution no. BOS/SOET/EC/2014/2-22** with suggestions have been implemented from June 2017, for the following courses

S.N	Semester	Title of the course
B.TECH(EC)		
1.	V	Signal and System
2.	VII	IC technology Removed
3	VII	Hardware Description Languages has been Merged after revision with VHDL
4	VIII	Digital Image Processing
5.	VIII	CMOS and RF Design
M.TECH(ES)		
6	I	Real Time Systems was replaced with Digital System Design
7.	I	Digital Signal Processing was replaced with Digital Signal Processor and Architecture
8	I	Technical Report Writing & Communication Skills-I was replaced with Advance DSP Lab
9	I	Advanced Embedded systems was replaced with CPLDs, FPGA Architecture and Application
10.	II	System Design Using FPGA Architecture was replaced with Embedded Real Time Operating System
11	II	Specification Modeling & Simulation of SOC's was replaced with Embedded System for Wireless and Mobile Communication

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12	II	Technical Report Writing & Communication Skills-II was replaced with Modeling and Simulation Lab
13	II	VLSI Architecture for Signal Processing & Communication Systems was replaced with Embedded C
14	III	Embedded System Programming was replaced with Embedded Networking
M.TECH(CSP)		
15	I	Technical report writing & communication skills-I was replaced with Advance DSP Lab
16	I	Digital Signal Processing Lab was replaced Wireless Communication Lab
17	II	Wireless Communication was replaced with Satellite Communication and Phase array
18	II	Information Theory And Coding was replaced with Embedded system for Wireless and Mobile Communication
19	II	Technical report writing & communication skills-II was replaced with Advanced Communication Lab
20	III	Artificial intelligence was replaced with Advanced mobile communication

Item No. 3

Name of the New Courses Introduced in 2017-2018

S. N.	Name of the New courses introduced	Course code	Year of Introduction
1	Random Variables & Stochastic Processes	3EC6.3	2017
2	Data Structures & Algorithms Laboratory	3EC10	2017
3	Object Oriented Programming Laboratory	4EC10	2017
4	TV & RADAR Engineering	6EC5	2017
5	Enterprise & Java programming	7EC5	2017
6	Java Programming Lab	7EC7	2017
7	Industrial Project	8EC1	2017
8	Comprehensive Viva-Voce	8EC2	2017

3. Discussion on the introduction of the “**Random Variables and Stochastic Processes**” subject in the curriculum of B.Tech (E&C) in III Semester

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

The members suggested the following topic must be included in the Syllabus.

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UNIT-IV STOCHASTIC PROCESSES - Definitions, Random process concept, Statistics of stochastic processes: Mean autocorrelation, strict and wide sense stationary, random processes and Linear Systems.

UNIT-V STOCHASTIC PROCESSES IN FREQUENCY DOMAIN - Power spectrum of stochastic processes, Transmission over LTI systems, Gaussian and White processes, Properties of power spectral density.

First Semester

Course Code	Course Title	Contact Hours per week			Credit Hours	Internal Examination	External Examination/Viva-voce	Total Marks
		L	T	P				
101T	English	1	-	-	1.0	15	35	50
102T	Engineering Maths –I	3	1	-	4.0	30	70	100
103T	Engineering Physics - I	3	1	-	4.0	30	70	100
104T	Engineering Chemistry – I	3	1	-	4.0	30	70	100
105T	Introduction to IT	3	-	-	3.0	30	70	100
106T	Fundamentals of Electrical Science	3	1	-	4.0	30	70	100
107T	Language Lab.	-	-	2	1.0	30	20	50
108T	Engineering Physics Lab. I	-	-	2	1.0	30	20	50
109T	Engineering Chem. Lab. I	-	-	2	1.0	30	20	50
110T	PC Software Lab.	-	-	2	1.0	45	30	75
111T	Practical Geometry	-	-	3	1.5	45	30	75
112T	Engineering Workshop Practice	-	-	2	1.0	60	40	100
113P*	General Proficiency (C)	-	-	-	-	-	-	50
	Total	16	4	13				1000
Total Semester Credits = 26.5								

*Compulsory but not counted towards credit hours.

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Second Semester

Course Code	Course Title	Contact Hours per week			Credit Hours	Internal Examination	External Examination / Viva-voce	Total Marks
		L	T	P				
201T	English	1	-	-	1.0	15	35	50
202T	Engineering Maths – II	3	1	-	4.0	30	70	100
203T	Engineering Physics - II	3	1	-	4.0	15	35	50
204T	Engineering Chemistry – II	3	1	-	4.0	15	35	50
205T	Programming and Problem Solving using 'C' Language	2	-	-	2.0	15	35	50
206T	Fundamentals of Electronics	2	1	-	3.0	30	70	100
207T	Mechanical Engineering	3	-	-	3.0	30	70	100
208P	Communication Techniques	-	-	2	1.0	45	30	75
209P	Engineering Physics Lab II	-	-	2	1.0	45	30	75
210P	Engineering Chemistry Lab II	-	-	2	1.0	45	30	75
211P	Computer Programming Lab	-	-	2	1.0	45	30	75
212P	Machine Drawing	-	-	3	1.5	45	30	75
213P	Basic Electronics Lab	-	-	2	-	45	30	75
214P*	General Proficiency	-	-	-	-	-	-	50
	Total	17	4	13				1000
Total Semester Credits = 27.5								

*Compulsory but not counted towards credit hours.

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Third Semester

Course Code	Course Title	Contact Hours per week			Credit Hours	Internal Examination	External Examination /Viva-voce	Total Marks
		L	T	P				
3EC 1	Analog Electronics – I	3	1	-	4.0	30	70	100
3EC 2	Mathematics-III	3	1	-	4.0	30	70	100
3EC 3	Signals & Systems	3	-	-	3.0	30	70	100
3EC 4	Networks Analysis and Synthesis	3	1	-	4.0	30	70	100
3EC5	Digital Electronics	3	1	-	4.0	30	70	100
	Elective (Any one of the following)	3	-	-	3.0	30	70	100
3EC6.1	Environmental Engineering	-	-	-	-	-	-	-
3EC6.2	Data Structures & Algorithms	-	-	-	-	-	-	-
3EC6.3	Random Variables & Stochastic Processes	-	-	-	-	-	-	-
3EC 7	Analog Electronics Lab – I	-	-	3	1.5	60	40	100
3EC 8	Digital Electronics Lab	-	-	3	1.5	45	30	75
3EC 9	Humanities & Social Sciences	-	-	2	1.0	45	30	75
3EC10	Data Structures & Algorithms Laboratory	-	-	2	1.0	60	40	100
3EC11*	Discipline & Extra Curricular activities	-	-	-	-	-	-	50
	Total	18	04	10				1000

Total Semester Credits = 27.0

*Compulsory but not counted towards credit hours.

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Fourth Semester

Course Code	Course Title	Contact Hours per week			Credit Hours	Internal Examination	External Examination /Viva-voce	Total Marks
		L	T	P				
4EC1	Analog Electronics – II	3	1	-	4.0	30	70	100
4EC2	Electronic Measurements & Instrumentation	3	1	-	4.0	30	70	100
4EC3	Electromagnetic Field Theory	3	1	-	4.0	30	70	100
4EC4	Electronic Materials & Processes	3	1	-	4.0	30	70	100
4EC5	Microprocessors and Applications	3	-	-	3.0	30	70	100
	Elective(Any one of the following)	3	-	-	3.0	30	70	100
4EC6.1	Object Oriented Programming	-	-	-	-	-	-	-
4EC6.2	Computer Graphics	-	-	-	-	-	-	-
4EC6.3	Data Base Management System	-	-	-	-	-	-	-
4EC7	Analog Electronics Lab –II	-	-	3	1.5	60	40	100
4EC8	Microprocessor Lab	-	-	2	1.0	45	30	75
4EC9	Instrumentation & Measurements Lab	-	-	3	1.5	45	30	75
4EC10	Object Oriented Programming Laboratory	-	-	2	1.0	60	40	100
4EC11*	Discipline & Extra Curricular activities	-	-	-	-	-	-	50
	Total	18	04	10				1000
Total Semester Credits = 27.0								

*Compulsory but not counted towards credit hours.

Fifth Semester

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Course Code	Course Title	Contact Hours per week			Credit Hours	Internal Examination	External Examination /Viva-voce	Total Marks
		L	T	P				
5EC 1	Automatic Control System	3	1	-	4.0	30	70	100
5EC 2	Principles of Communication	3	-	-	3.0	30	70	100
5EC 3	Adv. Microprocessors & Micro-Controllers	3	1	-	4.0	30	70	100
5EC 4	Antenna & Wave Propagation	3	1	-	4.0	30	70	100
5EC5	Power Electronics	3	1	-	4.0	30	70	100
	Elective(Any one of the following)	3	-	-	3.0	30	70	100
5EC6.1	Computer Oriented Numerical & Statistical Methods	-	-	-	-	-	-	-
5EC6.2	Biomedical Instrumentation	-	-	-	-	-	-	-
5EC6.3	Advanced Data Structures	-	-	-	-	-	-	-
5EC7	Communication Lab-I	-	-	3	1.5	60	40	100
5EC8	Electronics CAD Laboratory	-	-	2	1.0	60	40	100
5EC9	Internship Program Seminar	-	-	3	1.5	30	20	50
5EC10	Advanced Micro-Controllers Lab	-	-	2	1.0	60	40	100
5EC11*	Discipline & Extra Curricular activities	-	-	-	-	-	-	50
	Total	18	04	10				1000
Total Semester Credits = 27.0								

*Compulsory but not counted towards credit hours.

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Sixth Semester

Course Code	Course Title	Contact Hours per week			Credit Hours	Internal Examination	External Examination /Viva-voce	Total Marks
		L	T	P				
6EC1	Digital Communication	3	1	-	4.0	30	70	100
6EC2	Digital Signal Processing	3	1	-	4.0	30	70	100
6EC3	Microwave and Radar Engineering	3	1	-	4.0	30	70	100
6EC4	Introduction to Embedded Systems	3	1	-	4.0	30	70	100
6EC5	TV & RADAR Engineering	3	-	-	3.0	30	70	100
	Elective(Any one of the following)	3	-	-	3.0	30	70	100
6EC6.1	VLSI Design	-	-	-	-	-	-	-
6EC6.2	Parallel Computation & Architecture	-	-	-	-	-	-	-
6EC6.3	Optimization Techniques	-	-	-	-	-	-	-
6EC7	Microwave Lab	-	-	3	1.5	45	30	75
6EC8	Communication Lab - II	-	-	3	1.5	60	40	100
6EC9	Signal Processing & Fiber Communication Lab	-	-	2	1.0	45	30	75
6EC10	Minor Project-I	-	-	2	1.0	60	40	100
6EC11*	Discipline & Extra Curricular activities	-	-	-	-	-	-	50

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	Total	18	04	10			1000
Total Semester Credits = 27.0							

*Compulsory but not counted towards credit hour.

Seven Semester

Course Code	Course Title	Contact Hours per week			Credit Hours	Internal Examination	External Examination / Viva-voce	Total Marks
		L	T	P				
7EC1	Optical Fiber Communication	3	1	-	4.0	30	70	100
7EC2	Mobile Communication	3	-	-	3.0	30	70	100
7EC3	Computer Networking	3	-	-	3.0	30	70	100
7EC4	VHDL	3	1	-	4.0	30	70	100
7EC5	Enterprise & Java programming	3	1	-	4.0	30	70	100
	Elective(Any one of the following)	3	1	-	4.0	30	70	100
7EC6.1	Computer Architecture	-	-	-	-	-	-	-
7EC6.2	Digital Image Processing	-	-	-	-	-	-	-
7EC6.3	Artificial Intelligence and Expert System	-	-	-	-	-	-	-
7EC7	Java Programming Lab	-	-	3	1.5	60	40	100
7EC8	VHDL Lab	-	-	3	1.0	45	30	75
7EC9	Seminar	-	-	2	1.5	45	30	75
7EC10	Major Project	-	-	2	1.0	60	40	100
7EC11*	Discipline & Extra	-	-	-	-	-	-	50

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	Curricular activities							
	Total	18	04	10				1000
Total Semester Credits = 27.0								

*Compulsory but not counted towards credit hour.

Eighth Semester

Course Code	Course Title	Contact Hours per week			Credit Hours	Internal Examination	External Examination / Viva-voce	Total Marks
		L	T	P				
8EC1	Industrial Project	-	-	3	1.5	240	160	400
8EC2	Comprehensive Viva-Voce	-	-	3	1.5	360	240	600
	Total			6				1000
Total Semester Credits = 3								

*Compulsory but not counted towards credit hours.

RESOLUTION [No.: BOS/SOET/EC/2017/2]

UNANIMOUSLY RESOLVED THAT the structure of the Course “**Random Variables and Stochastic Processes**” is appreciated and approved with the suggested changes and is subject to the final approval of Academic Council

Item No. 4

- Discussion on the introduction of the Subject “**Data Structures & Algorithms Laboratory**” in curriculum of B.Tech (E&C) in III Semester.

Dr. Sudhir Kumar Sharma explained the reason for adding this lab in the curriculum. Students of E&C will be benefited in the field of Programming.

The members suggested the following changes:

Implement a backtracking algorithm for Knapsack problem

Implement a branch and bound algorithm for traveling salesperson problem.


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RESOLUTION
[No.: BOS/SOET/EC/2017/3]

UNANIMOUSLY RESOLVED THAT the structure of the Course “**Data Structures & Algorithms Laboratory**” is appreciated and approved with the subject to the final approval of Academic Council.

Item No. 5

5. Discussion on the introduction of the Subject “**Object Oriented Programming Laboratory**” in curriculum of B.Tech (E&C) in IV Semester.

Dr. Sudhir Kumar Sharma explained the reason for adding this lab in the curriculum.

The members suggested to add some more practical as given below.

To write a java program to demonstrate the package concept using a simple example.

To write a java program to illustrate the interfaces concept.

Write a java program for multithreading concept.

To write a java program to implement java applet concept.

RESOLUTION
[No.: BOS/SOET/EC/2017/4]

UNANIMOUSLY RESOLVED THAT the structure of the Course “**Oriented Programming Laboratory**” is appreciated and approved with the subject to the final approval of Academic Council.

Item No. 6

6. Discussion on the introduction of the of the subject “**TV & RADAR Engineering**” in the Semester VI of B.Tech (E & C)

Mr. Pankaj Goswami suggested the importance of the Analysis the characteristics of microwave Semiconductor of detector, switch, generator and amplifier.

The members suggested the following changes:

UNIT-IV: TV RECEIVERS: Functional block diagram of T.V. receiver, Digital transmission and reception of TV signals, working principles of HDTV, DBS-TV, DISHTV, DTH TV, IPTV and 3D-TV. Modern TV receiver with LCD, LED and Plasma displays.

UNIT-V: VIDEO CAMERAS: Image conversion principle, Plumbicon, Sidicon camera tubes, three tube color camera and Block diagram of color camera tube. Audio and Video Compression: Need of compression, Compression Techniques: Lossy, lossless, MPEG-x, H.26-x


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RESOLUTION
[No.: BOS/SOET/EC/2017/5]

UNANIMOUSLY RESOLVED THAT the subject “**TV & RADAR Engineering**” is appreciated and approved with the suggested changes subject to the final approval of Academic Council.

Item No. 7

7. The discussion on the introduction of the subject “**Enterprise & Java programming**” in B.Tech (E&C) in the VII Sem.

Mr.Aditya Kumar Singh Pundeer suggested about this subject as it would provide the additional programming skill to the students of Electronics and communication.

The members suggested the following changes

UNIT-V: Common Object Request Broker Architecture
(CORBA): Technical/Architectural Overview, CORBA. Introduction to Smart Phone Application Development: Introduction to android platform, Creating application template, adding activity, intent, services to application, using Google map API

RESOLUTION
[No.: BOS/SOET/EC/2017/6]

UNANIMOUSLY RESOLVED THAT the subject “**Enterprise & Java programming**” is appreciated and approved with suggested changes subject to the final approval of Academic Council.

Item No. 8

8. Discussion on the introduction of the “**Java programming Lab**” subject in the curriculum of B.Tech (E&C) in VII Semester

Mr.Aditya Kumar Singh Pundeer suggested that theory subject with lab will provide the better understanding of the subject to the students.


The members also agreed to introduce the “**Java Programming Lab**”

RESOLUTION
[No.: BOS/SOET/EC/2017/7]

UNANIMOUSLY RESOLVED THAT the subject “**Java programming**” is appreciated and approved with subject to the final approval of Academic Council

Item No. 9

9. Discussion on the introduction of “**Industrial Project**” in of B.Tech (E&C) VIII Semester


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Mr.Puneet Kalia suggested that in the industrial exposure is very much necessary for the engineering students and during their stay at industry if students are capable to do the industrial project successfully then students will have real time experience, hand on practice on industrial instruments

The members agreed to introduce the Industrial Project:

RESOLUTION

[No.: BOS/SOET/EC/2017/8]

UNANIMOUSLY RESOLVED THAT the subject "**Industrial Project**" is appreciated and approved with subject to the final approval of Academic Council.

Item No. 10

10. Discussion on the introduction of "**Comprehensive Viva-Voce**" in of B.Tech (E&C) VIII Semester

Dr.Sudhir Sharma suggested that the comprehensive viva is suitable for the testing the in depth knowledge of the Project work carried out in the industry

The members agreed to introduce the Comprehensive Viva-Voce.

RESOLUTION

[No.: BOS/SOET/EC/2017/9]

UNANIMOUSLY RESOLVED THAT the subject "**Comprehensive Viva-Voce**" is appreciated and approved with subject to the final approval of Academic Council.

Item No. 11

Syllabus Post-Prior				
ELECTRONICS & COMMUNICATION ENGG.				
2016-2017			2017-2018	
Sr. No.	Subject Code	Subject Name	Subject Code	Subject Name
1	4EC 1	Network Analysis and Synthesis	3EC 4	Network Analysis and Synthesis

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2	4EC 2	Electromagnetic Field Theory	4EC 3	Electromagnetic Field Theory
3	6EC9	Electronics CAD Lab	5EC8	Electronics CAD Lab
4	6EC6.3	Optimization Techniques	6EC6.3	Optimization Techniques

11. Discussion on the revision in the contents of “Network Analysis and Synthesis” in the Semester IV of B.Tech E & C

Mr. Sandeep bairwa discussed and presented the revised syllabus.

The members suggested the following changes in unit III

Unit-III Network functions: Steady state sinusoidal analysis using phasors; Time domain analysis of simple linear circuits. Concept of complex frequency, Transform impedances network function of one port & two port networks, concept of poles & zeros, properties of driving point and transfer functions, state equations for networks. Time response & stability from pole plot, frequency response & bode plots.

RESOLUTION

[No.: BOS/SOET/EC/2017/10]

UNANIMOUSLY RESOLVED THAT the subject “Network Analysis and Synthesis” is appreciated and approved with subject to the final approval of Academic Council.


Item No. 12

12 Discussion on the revision in the contents of “Electromagnetic Field Theory” in the Semester IV of B.Tech E & C.

Mr. Pankaj Kumar Goswami discussed and presented the revised syllabus for Electromagnetic field Theory.

The members suggested the following changes in unit IV

UNIT –IV Time Varying Fields : Faraday’s Law. Transformer and motional electromotive force. Displacement currents and equation of continuity. Maxwell’s equations. Electromagnetic wave propagation: plane wave in lossy dielectric, free space, lossless dielectric and conductor. Skin effect. Sinusoidal time variations. Reflection of Plane Wave, standing wave ratio. Pointing vector and power considerations. Transmission lines: characteristic impedance; impedance transformation; Smith chart; impedance matching; S parameters, pulse excitation.


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RESOLUTION

[No.: BOS/SOET/EC/2017/11]

UNANIMOUSLY RESOLVED THAT the subject “**Electromagnetic Filed Theory**” is appreciated and approved with subject to the final approval of Academic Council.

Item No. 13

13. To discuss and approve the revision in the contents of “**Electronics CAD Lab**” in the Semester VI of B.Tech E &C.

Mr. Adtya Kumar Singh Pundeer presented and Discussed about the revised syllabus for Electronic CAD Lab.

The members suggested the following changes

Verification of Maximum power transfer theorem in dc circuits

Verification of Tellegen’s theorem for two networks of the same topology

Determination of z, y, h & ABCD parameters (dc only) for a network.

Determination of driving point and transfer functions of a two port ladder network and verify with theoretical values.

RESOLUTION

[No.: BOS/SOET/EC/2017/12]

UNANIMOUSLY RESOLVED THAT the subject ““**Electronics CAD Lab**” is appreciated and approved with subject to the final approval of Academic Council.

Item No. 14

14. To discuss and approve the revision in the contents of “**Optimization Techniques**” in the Semester VI of B.Tech E &C.

Mr. Sandeep Bairwa Presented and discussed about the revised syllabus.

The members suggested the following changes.

UNIT-V : Introduction to Artificial Neural Networks, Learning Process: Error correction learning, memory based learning, Hebbian learning, competitive learning, Boltzmann learning, learning with and without teacher, learning tasks, memory, adaptation.

RESOLUTION

[No.: BOS/SOET/EC/2017/13]


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UNANIMOUSLY RESOLVED THAT the subject “**Optimization Techniques**” is appreciated and approved with subject to the final approval of Academic Council.

Name of the Deleted Courses in 2017-2018

S. N.	Name of the courses Deleted	Course code	Year of Deletion
1	Electrical Technology	3 EC 6.3	2017
2	Telecommunication Engineering	4EC 3	2017
3	Network Lab	4EC 9	2017
4	Minor Project-II	4EC 10	2017
5	Minor Project-III	5EC 10	2017
6	VLSI Technology	6EC 4	2017
7	Audio Video Systems	6EC 5	2017
8	Minor Project-IV	6EC 10	2017
9	Artificial Neural Networks	7EC 3	2017
10	Advanced Signal Processing	7EC 6.1	2017
11	Advanced Microprocessors	7EC 6.2	2017
12	Seminar	7EC 9	2017
13	Minor Project-V	7EC 10	2017
14	Nanotechnology	8EC 2	2017
15	CMOS RF Circuit Design	8EC 4.3	2017
16	Advanced VLSI and DSP Lab	8EC 6	2017
17	Industrial Economics & Management Lab	8EC 7	2017

M.Tech. Communication and Signal Processing

Syllabus Post-Prior	
2016-2017	2017-2018

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Sr. No.	Subject Code	Subject Name	Subject Code	Subject Name
1	MTCSP 1.2	Antenna Theory	MTCSP 1.2	Antenna Theory

Item No. 15

15. To discuss and approve the revision in the contents of “**Antenna Theory**” in the Semester I of M.Tech. Communication and Signal Processing

Dr.Sudhir Sharma presented and discussed about the revision in the contents of the Antenna Theory.

The members suggested the following changes

UNIT: 4 Printed antennas: Full wave analysis of Microstrip Antenna (MSA), Active Integrated MSA, Compact MSA with enhanced gain, Broadband Antenna (MSA), Dual frequency & Dual polarized MSA.

Reflector antennas: Plane reflector, corner reflector, parabolic reflector & different feed configurations

RESOLUTION

[No.: BOS/SOET/EC/2017/14]

UNANIMOUSLY RESOLVED THAT the subject “**Antenna Theory**” is appreciated and approved with subject to the final approval of Academic Council.

M.Tech. Embedded System

Syllabus Post-Prior

2016-2017			2017-2018	
Sr. No.	Subject Code	Subject Name	Subject Code	Subject Name
1	MTES 3.1.3	Advanced Computer Architectures	MTES 3.1.3	Advanced Computer Architectures


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Item No. 16

16. To discuss and approve the revision in the contents of “**Advanced Computer Architecture**” in the Semester III of M.Tech. Embedded System.

Dr.Sudhir Sharma presented and discussed about the revision in the contents of the **Advanced Computer Architecture**”

The members suggested the following changes

UNIT-I: FUNDAMENTALS OF COMPUTER DESIGN: Fundamentals of Computer design, Changing faces of computing and task of computer designer, Technology trends, Cost price and their trends, measuring and reporting performance, Quantitative principles of computer design, Amdahl's law. Instruction set principles and examples- Introduction, classifying instruction set- memory addressing type and size of operands, Operations in the instruction set.

RESOLUTION

[No.: BOS/SOET/EC/2017/15]

UNANIMOUSLY RESOLVED THAT the subject “**Advanced Computer Architecture**” is appreciated and approved with subject to the final approval of Academic Council.

Any other matter with the permission of the Chair

Board of Studies recommended the above resolutions to be presented in the Academic Council for further final approval

The meeting ended with the vote of thanks to the Chair


Authorized Signatory


Assistant Registrar
Jaipur National University
Jaipur

JAIPUR NATIONAL UNIVERSITY, JAIPUR



BOARD OF STUDIES

2017-18

SCHOOL OF ENGINEERING AND TECHNOLOGY


Additional Registrar
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BOARD OF STUDIES IN THE SCHOOL OF ENGINEERING AND TECHNOLOGY

AGENDA

The meeting of the Board of Studies in Mechanical Engineering for the year 2017 will be held on April 15, 2017 at 11:00 Am in Director Office, School of Engineering and Technology (Main Campus), Jaipur National University, Jaipur.

The following agenda will be discussed in the meeting:

- Item No. 1:** To discuss and approve the introduction of new programme of Diploma Mechanical Engineering.
- Item No. 2:** To discuss and approve the proposed Program Structure for Diploma. Mechanical Engineering.
- Item No. 3:** To discuss and approve the scheme and syllabus of Diploma Mechanical Engineering. And approve the proposed elective course system in Diploma Mechanical
- Item No. 4:** To discuss and approve the proposed revised curriculum of B.Tech Mechanical Engineering.
- Item No. 5:** To discuss and approve the introduction of new programme of M.Tech.(Industrial & Production Engineering) Mechanical Engineering .
- Item No. 6:** To discuss and approve the proposed Program Structure for M.Tech.(Industrial & Production Engineering) Mechanical Engineering .
- Item No. 7:** To discuss and approve the scheme and syllabus for M.Tech.(Industrial & Production Engineering) Mechanical Engineering under elective course system.
- Item No. 8:** Any other matter with the permission of Chair.


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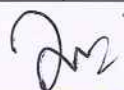
BOARD OF STUDIES IN THE SCHOOL OF ENGINEERING AND TECHNOLOGY

Minutes of the meeting held on April 15, 2017

The meeting of the Board of Studies in Department of Mechanical Engineering, for the year 2017-18, was held on April 15, 2007 at 11:00 am in Director office, School of Engineering and Technology (Main Campus), Jaipur National University, Jaipur.

The following members attended the meeting:

S.No.	Name	Designation
1.	Prof. H. N. Verma, Vice Chancellor, JNU Jaipur	Chairperson
2.	Prof. R.C Purohit , School of Engineering & Technology, JNU, (Main campus) Jaipur	Director
3.	Prof. Himanshu Chaudhary ,Department of Mechanical Engineering, MNIT Jaipur	External Member
4.	Mr. Sandeep Sahai Rajput, Manager ACC Cements Lakheri Kota	External Member
5.	Mr. Surendra Nei, Assistant manager , NBC Jaipur	External Member
6.	Mr. Kanishk sharma , Department Mechanical Engineering,	Internal Member
7.	Mr.Ramji, Department Mechanical Engineering,	Internal Member
8.	Mr. Vishal Anand , Department Mechanical Engineering	Internal Member
9.	Mr. Ashok Singh Gour, Department Mechanical Engineering	Internal Member
10.	Mr. Dipendra Kumar , Department Mechanical Engineering	Internal Member
11.	Mr. Arvind Kumar Singh, Department Mechanical Engineering	Internal Member


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Chairperson of the Board addressed the members and introduced external BOS Members to the board and further internal members introduced themselves.

Item No. 1

To discuss and approve the introduction of new programme in Diploma Mechanical Engineering

Mr. Ashok Singh Gour recommended the introduction of new course Diploma Mechanical Engineering and the importance of Diploma Mechanical Engineering in the present era. He also discussed about the applications of this branch in almost every sphere of our life and has made it very important over the traditional branches of engineering. The laboratories under this branch provide platform for learning not only theory but also practical aspects of engineering.

RESOLUTION

[No.: BOS/ME/2017/1]

UNANIMOUSLY RESOLVED THAT the new Programme was approved subject to the final approval of Academic Council.

Item No.2

To discuss and approve the Proposed Program Structure for Diploma Mechanical Engineering

Proposed Program Structure:

S. No.	Category	Suggested Breakup of Marks (6200Total)
1	Basic Science courses	1000
3	Personality Development Course (English)	150
4	Professional core courses	4250
6	Project work, seminar and internship in industry or elsewhere	500
7	Mandatory Courses (Discipline & Extra Curricular activities)	300
Total		6200

Requirements of marks

The minimum percentage of marks to pass the examination in each Semester shall be:

- 35 percent Marks in each written paper with internal and external assessment separately
- 50% Marks in aggregate of each semester Practical examination.


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A candidate shall be promoted to the next semester if he/she passes at least 20% of the papers prescribed in the semester failing which he/she shall be declared as fail in that semester and he/she shall be required to get re-admission in the failed semester and shall have to appear in all the papers currently in force.

RESOLUTION

[No.: BOS/ ME/2017/2]

UNANIMOUSLY RESOLVED THAT the Proposed Program Structure of Diploma Mechanical Engineering was approved and is subject to the final approval of Academic Council

Item No.3

To discuss and approve the proposed scheme and syllabus for Diploma Mechanical Engineering

Mr. Ashok Singh Gour introduced the scheme of Diploma Programme and expressed his concern about motivating students towards domain specific courses in following manner:

- Elective Course System
- Career and academic counseling
- Credited co- curricular activities


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Proposed Scheme

SCHEME OF DIPLOMA (MECHANICAL ENGINEERING)

Theory Paper

SEMESTER-I

Subject code	Subject Name	Teaching Hours Per Week		Duration of ESE	Evaluation Scheme		
		L	T		Mid Term Test	End Term Test	Total
1DCB01	Applied Physics-I	3	1	3	30	70	100
1DCB02	Applied Chemistry-I	3	-	3	30	70	100
1DCB03	Applied Mathematics-I	3	1	3	30	70	100
1DCB04	Basic Elements Of Electrical & Electronics-I	3	1	3	30	70	100
1DCB05	Applied Mechanics	3	-	3	30	70	100
	Total	15	3	-	150	350	500

Practical Papers

Subject Code	Subject Name	Teaching Hours Per Week	Duration Of ESE	Evaluation Scheme		
				Sessional	Practical	Total
1DCB06	Communication & Personality Development Lab	2	3	30	20	50
1DCB07	Physics Lab-I	2	3	60	40	100
1DCB08	Chemistry Lab-I	2	3	60	40	100
1DCB9	Engineering Drawing-I	3	3	60	40	100
1DCB10	Workshop Practice-I	2	3	60	40	100
1DCB11	Electrical & Electronics Lab-I	2	3	60	40	100
1DCB12	Discipline & Extra-Curricular Activities*	-	-	50	-	50
	Total	13		380	220	600
Total Semester Credits		24.5		Grand Total		1100

*Compulsory but not counted towards credit hours


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Semester: II
Theory Paper

Subject code	Subject Name	Teaching Hours Per Week		Duration of ESE	Evaluation Scheme		
		L	T		Mid Term Test	End Term Test	Total
2DCB01	English	3	-	3	30	70	100
2DCB02	Applied Physics-II	3	1	3	30	70	100
2DCB03	Applied Chemistry-II	3	-	3	30	70	100
2DCB04	Applied Mathematics-II	3	1	3	30	70	100
2DCB05	Basic Elements Of Electrical & Electronics-II	3	1	3	30	70	100
2DCB06	Computer & IT Fundamentals	3	-	3	30	70	100
	Total	18	3	-	180	420	600

Practical Papers

Subject Code	Subject Name	Teaching Hours Per Week	Duration Of ESE	Evaluation Scheme		
				Sessional	Practical	Total
2DCB07	Computer Programming Lab	2	3	30	20	50
2DCB08	Physics Lab-II	2	3	60	40	50
2DCB09	Chemistry Lab-II	2	3	60	40	50
2DCB10	Engineering Drawing-II	3	3	60	40	100
2DCB11	Workshop Practice-II	2	3	60	40	100
2DCB12	Electrical & Electronics Lab-II	2	3	60	40	100
2DCB13	Discipline & Extra-Curricular Activities*	-	-	50	-	50
	Total	13	-	380	220	500
Total Semester Credits		27.5		Grand Total		1100

*Compulsory but not counted towards credit hours


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Theory-IIInd Year

III rd Semester

Subject Code	Subject Name	Teaching Hours Per Week		Duration of ESE	Evaluation Scheme		
		L	T		Mid Term	End Term	Total
3DME01	Thermal Engineering-I	3	1	3	30	70	100
3DME02	Fluid Mechanics-I	3	1	3	30	70	100
3DME03	Strength of Material-I	3	1	3	30	70	100
3DME04	Engineering Material	3		3	30	70	100
3DME05	Applied Mathematics	4		3	30	70	100
3DME06	'C' Programming	4		3	30	70	100
		20	3		180	420	600

Practical

Subject Code	Subject Name	Teaching Hours Per Week	Duration of ESE	Evaluation Scheme		
				Sessional	Practical	Total
3DME07	Strength of material	3	3	60	40	100
3DME08	Fluid Mechanics Lab-I	2	3	45	30	75
3DME09	Thermal Engineering Lab-I	2	3	60	40	100
3DME10	C' Programming	3	3	45	30	75
3DME11	Discipline & Extra Curricular Activities		3	50		50
		10	3	260	140	400
				180	420	600
				Grand Total		1000


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Theory-II nd Year IV th Semester

SUBJECT CODE	SUBJECT NAME	Teaching Hours Per Week		Duration of ESE	Evaluation Scheme		
		L	T		Mid Term	End Term	Total
4DME01	Thermal Engineering-II	3	1	3	30	70	100
4DME02	Fluid Mechanics-II	3	1	3	30	70	100
4DME03	Strength of Material-II	3	1	3	30	70	100
4DME04	Manufacturing Process	3		3	30	70	100
4DME05	Automobile Engineering	4		3	30	70	100
4DME06	Electrical & Electronics Engineering	3	1	3	30	70	100
		19	4		180	420	600

Practical

Subject Code	Subject Name	Teaching Hours Per Week	Duration of ESE	Evaluation Scheme		
				Sessional	Practical	Total
4DME07	Thermal Engineering Lab-II	2	3	45	30	75


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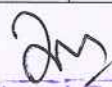
4DME08	Fluid Mechanics Lab-II	2	3	45	30	75
4DME09	Strength Of Material Lab-II	2	3	45	30	75
4DME10	Manufacturing Practice Lab	2	3	45	30	75
4DME11	Automobile Engineering Lab	2	3	30	20	50
4DME12	Discipline & Extra Curricular Activities			50		50
		10		260	140	400
				180	420	600
				Grand Total		1000


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Theory-IIIrd year V th Semester

Subject Code		Subject Name	Teaching Hours Per Week		Duration of ESE	Evaluation Scheme		
			L	T		Mid Term	End Term	Total
5DME01		Theory of Machine-I	3	1	3	30	70	100
5DME02		Metrology & Inspection	4	-	3	30	70	100
5DME03		Internal Combustion Engine	3	1	3	30	70	100
5DME04	5DME04.1	Renewable Energy Methods	3	1	3	30	70	100
	5DME04.2	Maintenance Management						
	5DME04.3	Total Quality management						
5DME05		Refrigeration & Air Conditioning	4	1	3	30	70	100
5DME06		CNC & Automation	3	-	3	30	70	100
			20	3		180	420	600

Subject Code	Subject Name	Teaching Hours Per Week	Duration Of ESE	Evaluation Scheme		
				Sessional	Practical	Total
5DME07	Internal Combustion Engine Lab	3	3	60	40	100
5DME08	Metrology & Inspection Lab	2	3	45	30	75
5DME09	Theory Of Machine Lab-I	2	3	45	30	75


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5DME10	Industrial training & Seminar	3	3	60	40	100
5DME11	Discipline & Extra Curricular Activities		3	50	-	50
	Total	10		260	140	400

Theory-IIIrd Year VIth Semester

SUBJECT CODE		SUBJECT NAME	Teaching Hours Per Week		Duration of ESE	Evaluation Scheme		
			L	T		Mid Term	End Term	Total
6DME01		Theory of Machine-II	4	1	3	30	70	100
6DME02	6DME02.1	Industrial Management	4	1	3	30	70	100
	6DME02.2	Operation Management						
	6DME02.3	Product Development Launching						
6DME03		Manufacturing Science-II	4		3	30	70	100
6DME04		Machine Design	4	1	3	30	70	100
			16	3		120	280	400


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Practical

SUBJECT CODE	SUBJECT NAME	Teaching Hours Per Week	Duration of ESE	Evaluation Scheme		
				Sessional	Practical	Total
6DME07	Seminar	3	3	90	60	150


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6DME08	Refrigeration & Air Conditioning Lab	3	3	45	30	75
6DME09	Project	3	3	150	100	250
6DME10	Theory Of Machine Lab-II	3	3	45	30	75
6DME11	Discipline & Extra Curricular Activities		3	50		50
		10	3	380	220	600
				120	280	400
				Grand Total		1000

Code and Definition

code	Definitions
L	Lecture
T	Tutorial
P	Practical
ESE	End Semester Examination

The Board members suggested the following changes in the proposed scheme

Prof. Himanshu Chaudhary proposed the following suggestion

- Concept of introducing the project work in all semesters as it would help the students in the placement interviewer's glance
- Inclusion of case studies in professional courses, where ever possible.


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- Collect a few industry centric requirements and include them as experiments for scripting.

Mr. Sandeep Sahai Rajput proposed the following suggestion

- Introduction of Internship program in the scheme to get the industrial exposure and hands on practice.
- Splitting the subject "Basics of Electrical and Electronics" in to two separate subjects as "Fundamentals of Electronics" and "Fundamentals of Electrical Science"

Attached as an Annexure - Diploma Syllabus 2017-18.docx

RESOLUTION

[No.: BOS/ME/2017/3]

UNANIMOUSLY RESOLVED THAT the scheme and syllabus content of Diploma. Mechanical Engineering programme was approved and is subject to the final approval of Academic Council.

Item No. 4

To discuss and approve the proposed revised curriculum of B.Tech Mechanical Engineering. Mr. Kanishk Sharma recommended the Revision in the curriculum of B.Tech Mechanical Engineering and the importance of revision in the curriculum in the present era. He also discussed about the requirement of this revision.

The revision in the curriculum is as follows.


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Sr No.	Subject Code according to previous scheme	Course Name	Action Incorporated	Reason for Reshuffling/Removing	New Subject code	
1	5ME6.1A	Computer Aided Design and Graphics	Reshuffled	To make this subject as a compulsory subject, it is swapped with Quality Assurance and Reliability (5ME4A) now code is 5ME6.1B	5ME4B	
2	5ME6.2A	Automobile Engg.	Reshuffled	To make this subject as a compulsory subject, it is swapped with Sociology and Elements of Economics for Engineers (5ME5A) now code is 5ME6.2B.	5ME5B	
3	6ME5B	Steam Engineering	Syllabus has been updated.			6ME5B
4	8ME1A	Computer Integrated Manufacturing Systems	Reshuffled	As 8 th semester has been converted to 6 months Internship program so this subject is shifted in 7 th semester	7ME5B	
5	8ME2A	Laws for Engineers	Removed	No need of this subject. This subject is not being taught by many other universities also.	Removed	
6	8ME3A	Power Generation	Reshuffled	Included as an elective subject in 6 th semester.	6ME6.4B	
7	8ME4.1A	Product Development & Launching	Reshuffled	Included as an elective subject in 7 th semester.	7ME6.4B	
8	8ME4.2A	Computational Fluid Dynamics	Reshuffled	Included as an elective subject in 7 th semester.	7ME6.5B	
9	8ME4.3A	Total Quality Management	Reshuffled	Included as an elective subject in 5 th semester	5ME6.4B	
Sr No.	Lab code according to previous scheme	Course Name	Action Incorporated	Reason for Reshuffling/Removing	New Subject code	
1	5ME10A	Professional Ethics & Disaster Management	Reshuffled	Professional Ethics & Disaster Management Lab is shifted in 3 rd semester in place of Basic Mechanical Engineering Lab(3ME8A). CAD Lab (5ME 10B) replaced.	3ME8B	
2	5ME10B	Computer Programming lab.	Syllabus has been updated.			5ME10B
3	7MEPR	Project Stage-I	Removed	Whole 8 th semester has been converted to project and internship program that's why this subject is removed.	Removed	
4	8ME5A	CAM Lab	Reshuffled	As 8 th semester has been converted to 6 months Internship program	7ME 10B	
5	8ME6A	CAD Lab	Reshuffled	As 8 th semester has been converted to 6 months Internship program).	5ME 10B	
6	8ME7A	Industrial Engg. Lab-II	Removed	The real knowledge of this lab can be obtained during Industrial Training and Project Work (Internship).	8ME1B	
7	8ME8A	Project-2	Removed	The project completed in Industrial Training and Project Work	8ME1B	


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				(Internship) can be considered as the project work.	
8	8ME9A	Seminar	Reshuffled	Comprehensive Viva-voce will be conducted for Industrial Training and Project work (Internship) evaluation.	8ME2B

RESOLUTION

[No.: BOS/ME/2017/4]

UNANIMOUSLY RESOLVED THAT proposed revised curriculum of B.Tech Mechanical was approved and is subject to the final approval of Academic Council Engineering.

Attached as an Annexure : (SOET ME 1.1.2 SYLLABUS 2017-18).docx

Item No. 5

To discuss and approve the introduction of new programme of M.Tech. (Industrial & Production Engineering)

Mr. Arvind Kumar Singh recommended the introduction of new Programme M.Tech (Industrial & Production engineering) in Mechanical Engineering Department. He explained the Importance of M.Tech in Mechanical Engineering in the present era. He also discussed about the applications of this branch in almost every sphere of our life and has made it very important over the traditional branches of engineering. The laboratories under this branch provide platform for learning not only theory but also practical aspects of engineering

RESOLUTION

[No.: BOS/ME/2017/5]

UNANIMOUSLY RESOLVED THAT the new Programme was approved subject to the final approval of Academic Council.


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Item No.6

To discuss and approve the Proposed Program Structure for M.Tech. (Industrial & Production Engineering) Mechanical Engineering

Proposed Program Structure:

S. No.	Category	Suggested Breakup of Marks (Total 2400)
1.	Professional core courses	1100
2.	Elective courses relevant to chosen specialization/branch	300
3.	Seminar/Industrial Visit	100
3	Dissertation Work	900
Total		2400

Requirements of marks

The minimum percentage of marks to pass the examination in each Semester shall be:


- 40 percent Marks in each written paper with internal and external assessment.,
- 50% Marks in aggregate of each semester Practical examination.

A candidate shall be promoted to the next semester if he/she passes at least 20% of the papers prescribed in the semester failing which he/she shall be declared as fail in that semester and he/she shall be required to get re-admission in the failed semester and shall have to appear in all the papers currently in force

RESOLUTION

[No.: BOS/ME/2017/6]

UNANIMOUSLY RESOLVED THAT the Proposed Program Structure of M.Tech. (Industrial & Production Engineering) was approved and is subject to the final approval of Academic Council.


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Item No. 7

To discuss and approve the scheme and syllabus for M.Tech.(Industrial & Production Engineering) Mechanical Engineering under elective course system .

Year: I Semester: I

Theory Paper

Subject code	Subject Name	Teaching Hours Per Week		Duration of ESE	Evaluation Scheme		
		L	T		Mid Term Test	End Term Test	Total
1MTIPE1	Advanced Numerical Methods and Applied Statistics	3	1	3	20	80	100
1MTIPE2	Metal Forming	3	1	3	20	80	100
1MTIPE3	Metrology	3	1	3	20	80	100
1MTIPE4	Elective: <ul style="list-style-type: none"> Industrial Engineering Systems Value Engineering Project Management 	3	1	3	20	80	100
1MTIPE5	Total Quality Management	4	-	3	20	80	100
	Total	16	4	-	100	400	500

Practical Papers

Subject Code	Subject Name	Teaching Hours Per Week	Duration Of ESE	Evaluation Scheme		
				Sessiona I	Practica I	Total


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1MTIPE6	Advance Manufacturing Lab	6	3	60	40	100
	TOTAL	6	-	60	40	100
	Grand Total					600

Year: I Semeste: II

Theory Paper

Subject code	Subject Name	Teaching Hours Per Week		Duration of ESE	Evaluation Scheme		
		L	T		Mid Term Test	End Term Test	Total
2MTIPE1	Advanced Optimization Techniques	3	1	3	20	80	100
2MTIPE2	Advanced Computer Integrated Manufacturing System	4	-	3	20	80	100
2MTIPE3	Machine Tool Design	3	1	3	20	80	100
2MTIPE4	Supply Chain Management	4	-	3	20	80	100
2MTIPE5	Elective: <ul style="list-style-type: none"> Human Resource Development & Industrial Relations. Precision Engineering 	4	-	3	20	80	100
	Total	18	2	-	100	400	500

Practical Papers

Subject Code	Subject Name	Teaching Hours Per Week	Duration Of ESE	Evaluation Scheme		
				Sessional	Practical	Total
2MTIPE6	CAM & CAD Lab	6	3	60	40	100


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	TOTAL	6	-	60	40	100
	Grand Total					600

Year: II Semester: III

Theory Papers

Subject code	Subject Name	Teaching Hours Per Week		Duration of ESE	Evaluation Scheme		
		L	T		Mid Term Test	End Term Test	Total
3MTIPE1	Elective: <ul style="list-style-type: none"> • Micro Electrical and Mechanical Systems (MEMS) • Nanotechnology • Rapid Prototyping 	4	-	3	20	80	100
3MTIPE2	Materials Management	4	-	3	20	80	100
	Total	8	-	-	40	160	200

Practical Papers-

Subject code	Subject Name	Teaching Hours Per Week	Duration of ESE	Evaluation Scheme		
				Sessional	Practical	Total
3MTIPE3	Industrial Visit & Seminar	6	3	60	40	100
3MTIPE4	Dissertation Part-I	12	3	180	120	300
	TOTAL	18	-	240	160	400
	Grand Total					600


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Year: II Semester: IV

Practical Papers

Subject Code	Subject Name	Teaching Hours Per Week	Duration of ESE	Evaluation Scheme		
				Sessional	Practical	Total
4MTIPE1	Dissertation Part-II	18	3	360	240	600
	Grand Total	18	-	360	240	600

RESOLUTION

[No.: BOS/ME/2017/7]


UNANIMOUSLY RESOLVED THAT the scheme and syllabus for M.Tech.(Industrial & Production Engineering) Mechanical Engineering was approved and is subject to the final approval of Academic Council.

Annexure Attachment - SYLLABUS M.TECH Mechanical 2017-18.doc

There was no other point for discussion

Board of Studies recommended the above resolutions to be presented in the Academic Council for further final approval

The meeting ended with the vote of thanks to the Chair


Chairperson


Additional Registrar
Jaipur National University
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BOARD OF STUDIES
2017-18

SCHOOL OF ENGINEERING AND TECHNOLOGY


Additional Registrar
Jaipur National University
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BOARD OF STUDIES IN THE SCHOOL OF ENGINEERING AND TECHNOLOGY

AGENDA

The meeting of the Board of Studies Mechanical Engineering for the year 2017 will be held on April 15, 2017 at 11:00 Am in Director Office, School of Engineering and Technology (Main Campus), Jaipur National University, Jaipur.

The following agenda will be discussed in the meeting:

Item No. 1: To discuss and approve the introduction of new programme of Diploma Mechanical Engineering.

Item No. 2: To discuss and approve the proposed Program Structure for Diploma Mechanical Engineering.

Item No. 3: To discuss and approve the scheme and syllabus of Diploma Mechanical Engineering. And approve the proposed elective course system in Diploma Mechanical

Item No. 4: To discuss and approve the proposed revised curriculum of B.Tech Mechanical Engineering.

Item No. 5: To discuss and approve the introduction of new programme of M.Tech.(Industrial & Production Engineering) Mechanical Engineering .

Item No. 6: To discuss and approve the proposed Program Structure for M.Tech.(Industrial & Production Engineering) Mechanical Engineering .

Item No. 7: To discuss and approve the scheme and syllabus for M.Tech.(Industrial & Production Engineering) Mechanical Engineering under elective course system .

Item No. 8: Any other matter with the permission of Chair.


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BOARD OF STUDIES IN THE SCHOOL OF ENGINEERING AND TECHNOLOGY

Minutes of the meeting held on April 15, 2017

The meeting of the Board of Studies Mechanical Engineering for the year 2017-18, was held on April 15, 2007 at 11:00 am in Director office, School of Engineering and Technology (Main Campus), Jaipur National University, Jaipur.

The following members attended the meeting:

S.No.	Name	Designation
1.	Prof. H. N. Verma, Vice Chancellor, JNU Jaipur	Chairperson
2.	Prof. R.C Purohit , School of Engineering & Technology, JNU, (Main campus) Jaipur	Director
3.	Prof. Himanshu Chaudhary ,Department of Mechanical Engineering, MNIT Jaipur	External Member
4.	Mr. Sandeep Sahai Rajput, Manager ACC Cements Lakheri Kota	External Member
5.	Mr. Surendra Nei, Assistant manager , NBC Jaipur	External Member
6.	Mr. Kanishk sharma , Department Mechanical Engineering,	Internal Member
7.	Mr. Ramji, Department Mechanical Engineering,	Internal Member
8.	Mr. Vishal Anand , Department Mechanical Engineering	Internal Member
9.	Mr. Ashok Singh Gour, Department Mechanical Engineering	Internal Member
10.	Mr. Dipendra Kumar , Department Mechanical Engineering	Internal Member
11.	Mr. Arvind Kumar Singh, Department Mechanical Engineering	Internal Member

Chairperson of the Board addressed the members and introduced external BOS Members to the board and further internal members introduced themselves.

Item No. 1


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To discuss and approve the introduction of new programme in Diploma Mechanical Engineering

Mr. Ashok Singh Gour recommended the introduction of new course Diploma Mechanical Engineering and the importance of Diploma Mechanical Engineering in the present era. He also discussed about the applications of this branch in almost every sphere of our life and has made it very important over the traditional branches of engineering. The laboratories under this branch provide platform for learning not only theory but also practical aspects of engineering.

RESOLUTION

[No.: BOS/ME/2017/1]

UNANIMOUSLY RESOLVED THAT the new Programme was approved subject to the final approval of Academic Council.

Item No.2

To discuss and approve the Proposed Program Structure for Diploma Mechanical Engineering

Proposed Program Structure:

S. No.	Category	Suggested Breakup of Marks (6200Total)
1	Basic Science courses	1000
3	Personality Development Course (English)	150
4	Professional core courses	4250
6	Project work, seminar and internship in industry or elsewhere	500
7	Mandatory Courses (Discipline & Extra Curricular activities)	300
Total		6200

Requirements of marks

The minimum percentage of marks to pass the examination in each Semester shall be:

- 35 percent Marks in each written paper with internal and external assessment separately,
- 50% Marks in aggregate of each semester Practical examination.


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A candidate shall be promoted to the next semester if he/she passes at least 20% of the papers prescribed in the semester failing which he/she shall be declared as fail in that semester and he/she shall be required to get re-admission in the failed semester and shall have to appear in all the papers currently in force.

RESOLUTION

[No.: BOS/ ME/2017/2]

UNANIMOUSLY RESOLVED THAT the Proposed Program Structure of Diploma Mechanical Engineering was approved and is subject to the final approval of Academic Council

Item No.3

To discuss and approve the proposed scheme and syllabus for Diploma Mechanical Engineering

Mr. Ashok Singh Gour introduced the scheme of Diploma Programme and expressed his concern about motivating students towards domain specific courses in following manner:

- Elective Course System
- Career and academic counseling
- Credited co- curricular activities


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Proposed Scheme

SCHEME OF DIPLOMA (MECHANICAL ENGINEERING)

Theory Paper

SEMESTER-I

Subject code	Subject Name	Teaching Hours Per Week		Duration of ESE	Evaluation Scheme		
		L	T		Mid Term Test	End Term Test	Total
1DCB01	Applied Physics-I	3	1	3	30	70	100
1DCB02	Applied Chemistry-I	3	-	3	30	70	100
1DCB03	Applied Mathematics-I	3	1	3	30	70	100
1DCB04	Basic Elements Of Electrical & Electronics-I	3	1	3	30	70	100
1DCB05	Applied Mechanics	3	-	3	30	70	100
	Total	15	3	-	150	350	500

Practical Papers

Subject Code	Subject Name	Teaching Hours Per Week	Duration Of ESE	Evaluation Scheme		
				Sessional	Practical	Total
1DCB06	Communication & Personality Development Lab	2	3	30	20	50
1DCB07	Physics Lab-I	2	3	60	40	100
1DCB08	Chemistry Lab-I	2	3	60	40	100
1DCB9	Engineering Drawing-I	3	3	60	40	100
1DCB10	Workshop Practice-I	2	3	60	40	100
1DCB11	Electrical & Electronics Lab-I	2	3	60	40	100
1DCB12	Discipline & Extra-Curricular Activities*	-	-	50	-	50
	Total	13		380	220	600
Total Semester Credits		24.5		Grand Total		1100

*Compulsory but not counted towards credit hours


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Semester: II
Theory Paper

Subject code	Subject Name	Teaching Hours Per Week		Duration of ESE	Evaluation Scheme		
		L	T		Mid Term Test	End Term Test	Total
2DCB01	English	3	-	3	30	70	100
2DCB02	Applied Physics-II	3	1	3	30	70	100
2DCB03	Applied Chemistry-II	3	-	3	30	70	100
2DCB04	Applied Mathematics-II	3	1	3	30	70	100
2DCB05	Basic Elements Of Electrical & Electronics-II	3	1	3	30	70	100
2DCB06	Computer & IT Fundamentals	3	-	3	30	70	100
	Total	18	3	-	180	420	600

Practical Papers

Subject Code	Subject Name	Teaching Hours Per Week	Duration Of ESE	Evaluation Scheme		
				Sessional	Practical	Total
2DCB07	Computer Programming Lab	2	3	30	20	50
2DCB08	Physics Lab-II	2	3	60	40	50
2DCB09	Chemistry Lab-II	2	3	60	40	50
2DCB10	Engineering Drawing-II	3	3	60	40	100
2DCB11	Workshop Practice-II	2	3	60	40	100
2DCB12	Electrical & Electronics Lab-II	2	3	60	40	100
2DCB13	Discipline & Extra-Curricular Activities*	-	-	50	-	50
	Total	13	-	380	220	500
Total Semester Credits		27.5		Grand Total		1100

*Compulsory but not counted towards credit hours


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Theory-IIInd Year

III rd Semester

Subject Code	Subject Name	Teaching Hours Per Week		Duration of ESE	Evaluation Scheme		
		L	T		Mid Term	End Term	Total
3DME01	Thermal Engineering-I	3	1	3	30	70	100
3DME02	Fluid Mechanics-I	3	1	3	30	70	100
3DME03	Strength of Material-I	3	1	3	30	70	100
3DME04	Engineering Material	3		3	30	70	100
3DME05	Applied Mathematics	4		3	30	70	100
3DME06	'C' Programming	4		3	30	70	100
		20	3		180	420	600

Practical

Subject Code	Subject Name	Teaching Hours Per Week	Duration of ESE	Evaluation Scheme		
				Sessional	Practical	Total
3DME07	Strength of material	3	3	60	40	100
3DME08	Fluid Mechanics Lab-I	2	3	45	30	75
3DME09	Thermal Engineering Lab-I	2	3	60	40	100
3DME10	C' Programming	3	3	45	30	75
3DME11	Discipline & Extra Curricular Activities		3	50		50
		10	3	260	140	400
				180	420	600
				Grand Total		1000


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Theory-II nd Year IV th Semester

SUBJECT CODE	SUBJECT NAME	Teaching Hours Per Week		Duration of ESE	Evaluation Scheme		
		L	T		Mid Term	End Term	Total
4DME01	Thermal Engineering-II	3	1	3	30	70	100
4DME02	Fluid Mechanics-II	3	1	3	30	70	100
4DME03	Strength of Material-II	3	1	3	30	70	100
4DME04	Manufacturing Process	3		3	30	70	100
4DME05	Automobile Engineering	4		3	30	70	100
4DME06	Electrical & Electronics Engineering	3	1	3	30	70	100
		19	4		180	420	600

Practical

Subject Code	Subject Name	Teaching Hours Per Week	Duration of ESE	Evaluation Scheme		
				Sessional	Practical	Total
4DME07	Thermal Engineering Lab-II	2	3	45	30	75

[Signature]
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4DME08	Fluid Mechanics Lab-II	2	3	45	30	75
4DME09	Strength Of Material Lab-II	2	3	45	30	75
4DME10	Manufacturing Practice Lab	2	3	45	30	75
4DME11	Automobile Engineering Lab	2	3	30	20	50
4DME12	Discipline & Extra Curricular Activities			50		50
		10		260	140	400
				180	420	600
				Grand Total		1000


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Theory-IIIrd year V th Semester

Subject Code		Subject Name	Teaching Hours Per Week		Duration of ESE	Evaluation Scheme		
			L	T		Mid Term	End Term	Total
5DME01		Theory of Machine-I	3	1	3	30	70	100
5DME02		Metrology & Inspection	4	-	3	30	70	100
5DME03		Internal Combustion Engine	3	1	3	30	70	100
5DME04	5DME04.1	Renewable Energy Methods	3	1	3	30	70	100
	5DME04.2	Maintenance Management						
	5DME04.3	Total Quality management						
5DME05		Refrigeration & Air Conditioning	4	1	3	30	70	100
5DME06		CNC & Automation	3	-	3	30	70	100
			20	3		180	420	600

Subject Code	Subject Name	Teaching Hours Per Week	Duration Of ESE	Evaluation Scheme		
				Sessional	Practical	Total
5DME07	Internal Combustion Engine Lab	3	3	60	40	100
5DME08	Metrology & Inspection Lab	2	3	45	30	75
5DME09	Theory Of Machine Lab-I	2	3	45	30	75
5DME10	Industrial training & Seminar	3	3	60	40	100
5DME11	Discipline & Extra Curricular		3	50	-	50


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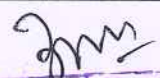
	Activities					
	Total	10		260	140	400

Theory-IIIrd Year VIth Semester

SUBJECT CODE		SUBJECT NAME	Teaching Hours Per Week		Duration of ESE	Evaluation Scheme		
			L	T		Mid Term	End Term	Total
6DME01		Theory of Machine-II	4	1	3	30	70	100
6DME02	6DME02.1	Industrial Management	4	1	3	30	70	100
	6DME02.2	Operation Management						
	6DME02.3	Product Development Launching						
6DME03		Manufacturing Science-II	4		3	30	70	100
6DME04		Machine Design	4	1	3	30	70	100
			16	3		120	280	400

Practical

SUBJECT CODE	SUBJECT NAME	Teaching Hours Per Week	Duration of ESE	Evaluation Scheme		
				Sessional	Practical	Total
6DME07	Seminar	3	3	90	60	150


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6DME08	Refrigeration & Air Conditioning Lab	3	3	45	30	75
6DME09	Project	3	3	150	100	250
6DME10	Theory Of Machine Lab-II	3	3	45	30	75
6DME11	Discipline & Extra Curricular Activities		3	50		50
		10	3	380	220	600
				120	280	400
				Grand Total		1000

Code and Definition

code	Definitions
L	Lecture
T	Tutorial
P	Practical
ESE	End Semester Examination

The Board members suggested the following changes in the proposed scheme

Prof. Himanshu Chaudhary proposed the following suggestion

- Concept of introducing the project work in all semesters as it would help the students in the placement interviewer's glance
- Inclusion of case studies in professional courses, where ever possible.


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- Collect a few industry centric requirements and include them as experiments for scripting.

Mr. Sandeep Sahai Rajput proposed the following suggestion

- Introduction of Internship program in the scheme to get the industrial exposure and hands on practice.
- Splitting the subject "Basics of Electrical and Electronics" in to two separate subjects as "Fundamentals of Electronics" and "Fundamentals of Electrical Science"

Attached as an Annexure - Diploma Syllabus 2017-18.docx

RESOLUTION

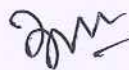
[No.: BOS/ME/2017/3]

UNANIMOUSLY RESOLVED THAT the scheme and syllabus content of Diploma. Mechanical Engineering programme was approved and is subject to the final approval of Academic Council.

Item No. 4

To discuss and approve the proposed revised curriculum of B.Tech Mechanical Engineering. Mr. Kanishk Sharma recommended the Revision in the curriculum of B.Tech Mechanical Engineering and the importance of revision in the curriculum in the present era. He also discussed about the requirement of this revision..

The revision in the curriculum is as follows.


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RESOLUTION

Sr No.	Subject Code according to previous scheme	Course Name	Action Incorporated	Reason for Reshuffling/Removing	New Subject code
1	5ME6.1A	Computer Aided Design and Graphics	Reshuffled	To make this subject as a compulsory subject, it is swapped with Quality Assurance and Reliability (5ME4A) now code is 5ME6.1B	5ME4B
2	5ME6.2A	Automobile Engg.	Reshuffled	To make this subject as a compulsory subject, it is swapped with Sociology and Elements of Economics for Engineers (5ME5A) now code is 5ME6.2B.	5ME5B
3	6ME5B	Steam Engineering	Syllabus has been updated.		6ME5B
4	8ME1A	Computer Integrated Manufacturing Systems	Reshuffled	As 8 th semester has been converted to 6 months Internship program so this subject is shifted in 7 th semester	7ME5B
5	8ME2A	Laws for Engineers	Removed	No need of this subject. This subject is not being taught by many other universities also.	Removed
6	8ME3A	Power Generation	Reshuffled	Included as an elective subject in 6 th semester.	6ME6.4B
7	8ME4.1A	Product Development & Launching	Reshuffled	Included as an elective subject in 7 th semester.	7ME6.4B
8	8ME4.2A	Computational Fluid Dynamics	Reshuffled	Included as an elective subject in 7 th semester.	7ME6.5B
9	8ME4.3A	Total Quality Management	Reshuffled	Included as an elective subject in 5 th semester	5ME6.4B
Sr No.	Lab code according to previous scheme	Course Name	Action Incorporated	Reason for Reshuffling/Removing	New Subject code
1	5ME10A	Professional Ethics & Disaster Management	Reshuffled	Professional Ethics & Disaster Management Lab is shifted in 3 rd semester in place of Basic Mechanical Engineering Lab(3ME8A). CAD Lab (5ME 10B) replaced.	3ME8B
2	5ME10B	Computer Programming lab.	Syllabus has been updated.		5ME10B
3	7MEPR	Project Stage-I	Removed	Whole 8 th semester has been converted to project and internship program that's why this subject is removed.	Removed
4	8ME5A	CAM Lab	Reshuffled	As 8 th semester has been converted to 6 months Internship program	7ME 10B
5	8ME6A	CAD Lab	Reshuffled	As 8 th semester has been converted to 6 months Internship program).	5ME 10B
6	8ME7A	Industrial Engg. Lab-II	Removed	The real knowledge of this lab can be obtained during Industrial Training and Project Work (Internship).	8ME1B
7	8ME8A	Project-2	Removed	The project completed in Industrial Training and Project Work (Internship) can be considered as the project work.	8ME1B
8	8ME9A	Seminar	Reshuffled	Comprehensive Viva-voce will be conducted for Industrial Training and Project work (Internship) evaluation.	8ME2B


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[No.: BOS/ME/2017/4]

UNANIMOUSLY RESOLVED THAT proposed revised curriculum of B.Tech Mechanical was approved and is subject to the final approval of Academic Council Engineering.

Attached as an Annexure : (SOET ME 1.1.2 SYLLABUS 2017-18).docx

Item No. 5

To discuss and approve the introduction of new programme of M.Tech. (Industrial & Production Engineering)

Mr. Arvind Kumar Singh recommended the introduction of new Programme M.Tech (Industrial & Production engineering) in Mechanical Engineering Department. He explained the Importance of M.Tech in Mechanical Engineering in the present era. He also discussed about the applications of this branch in almost every sphere of our life and has made it very important over the traditional branches of engineering. The laboratories under this branch provide platform for learning not only theory but also practical aspects of engineering

RESOLUTION

[No.: BOS/ME/2017/5]

UNANIMOUSLY RESOLVED THAT the new Programme was approved subject to the final approval of Academic Council.


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Item No.6

To discuss and approve the Proposed Program Structure for M.Tech. (Industrial & Production Engineering) Mechanical Engineering

Proposed Program Structure:

S. No.	Category	Suggested Breakup of Marks (Total 2400)
1.	Professional core courses	1100
2.	Elective courses relevant to chosen specialization/branch	300
3.	Seminar/Industrial Visit	100
3	Dissertation Work	900
Total		2400

Requirements of marks

The minimum percentage of marks to pass the examination in each Semester shall be:

- 40 percent Marks in each written paper with internal and external assessment.,
- 50% Marks in aggregate of each semester Practical examination.

A candidate shall be promoted to the next semester if he/she passes at least 20% of the papers prescribed in the semester failing which he/she shall be declared as fail in that semester and he/she shall be required to get re-admission in the failed semester and shall have to appear in all the papers currently in force

RESOLUTION

[No.: BOS/ME/2017/6]

UNANIMOUSLY RESOLVED THAT the Proposed Program Structure of M.Tech. (Industrial & Production Engineering) was approved and is subject to the final approval of Academic Council.


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Item No. 7

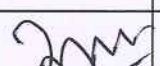
To discuss and approve the scheme and syllabus for M.Tech.(Industrial & Production Engineering) Mechanical Engineering under elective course system .

Year: I Semester: I

Theory Paper

Subject code	Subject Name	Teaching Hours Per Week		Duration of ESE	Evaluation Scheme		
		L	T		Mid Term Test	End Term Test	Total
1MTIPE1	Advanced Numerical Methods and Applied Statistics	3	1	3	20	80	100
1MTIPE2	Metal Forming	3	1	3	20	80	100
1MTIPE3	Metrology	3	1	3	20	80	100
1MTIPE4	Elective: <ul style="list-style-type: none"> Industrial Engineering Systems Value Engineering Project Management 	3	1	3	20	80	100
1MTIPE5	Total Quality Management	4	-	3	20	80	100
	Total	16	4	-	100	400	500

Practical Papers

Subject Code	Subject Name	Teaching Hours Per Week	Duration Of ESE	Evaluation Scheme		
				Sessional	Practical	Total
1MTIPE6	Advance Manufacturing Lab	6	3	60	40	100
	TOTAL	6	-	60	40	100
	Grand Total					600

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Year: I Semeste: II**Theory Paper**

Subject code	Subject Name	Teaching Hours Per Week		Duration of ESE	Evaluation Scheme		
		L	T		Mid Term Test	End Term Test	Total
2MTIPE1	Advanced Optimization Techniques	3	1	3	20	80	100
2MTIPE2	Advanced Computer Integrated Manufacturing System	4	-	3	20	80	100
2MTIPE3	Machine Tool Design	3	1	3	20	80	100
2MTIPE4	Supply Chain Management	4	-	3	20	80	100
2MTIPE5	Elective: <ul style="list-style-type: none"> Human Resource Development & Industrial Relations. Precision Engineering 	4	-	3	20	80	100
	Total	18	2	-	100	400	500

Practical Papers

Subject Code	Subject Name	Teaching Hours Per Week	Duration Of ESE	Evaluation Scheme		
				Sessional	Practical	Total
2MTIPE6	CAM & CAD Lab	6	3	60	40	100
	TOTAL	6	-	60	40	100
	Grand Total					600


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Year: II Semester: III

Theory Papers

Subject code	Subject Name	Teaching Hours Per Week		Duration of ESE	Evaluation Scheme		
		L	T		Mid Term Test	End Term Test	Total
3MTIPE1	Elective: <ul style="list-style-type: none"> • Micro Electrical and Mechanical Systems (MEMS) • Nanotechnology • Rapid Prototyping 	4	-	3	20	80	100
3MTIPE2	Materials Management	4	-	3	20	80	100
	Total	8	-	-	40	160	200

Practical Papers-

Subject code	Subject Name	Teaching Hours Per Week	Duration of ESE	Evaluation Scheme		
				Sessional	Practical	Total
3MTIPE3	Industrial Visit & Seminar	6	3	60	40	100
3MTIPE4	Dissertation Part-I	12	3	180	120	300
	TOTAL	18	-	240	160	400
	Grand Total					600


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Year: II Semester: IV

Practical Papers

Subject Code	Subject Name	Teaching Hours Per Week	Duration of ESE	Evaluation Scheme		
				Sessional	Practical	Total
4MTIPE1	Dissertation Part-II	18	3	360	240	600
	Grand Total	18	-	360	240	600

RESOLUTION

[No.: BOS/ME/2017/7]


UNANIMOUSLY RESOLVED THAT the scheme and syllabus for M.Tech.(Industrial & Production Engineering) Mechanical Engineering was approved and is subject to the final approval of Academic Council.

Annexure Attachment - SYLLABUS M.TECH Mechanical 2017-18.doc

There was no other point for discussion

Board of Studies recommended the above resolutions to be presented in the Academic Council for further final approval

The meeting ended with the vote of thanks to the Chair


Chairperson


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BOARD OF STUDIES

2017-18

SCHOOL OF FASHION DESIGN


Additional Registrar
Jaipur National University
Jaipur

BOARD OF STUDIES IN THE SCHOOL OF FASHION DESIGN

AGENDA

The meeting of the Board of Studies in School of Fashion Design for the year 2017-18, will be held on 10th October 2017 at 11:00 am in SBM conference hall, MBA Block, Main Campus, Jaipur National University.

The following agenda will be discussed in the meeting:

- Confirmation of the minutes of the meeting held on 23rd April 2016.
- To discuss and approve the changes in the syllabus of **Diploma in Fashion**.
- To discuss and approve changes in the syllabus of **B.DES(Fashion)**.
- To discuss and approve Value Added Course.
- To discuss and approve the courses having focus on employability/ entrepreneurship/ skill development.
- Any other matter with the permission of Chair.


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BOARD OF STUDIES IN THE SCHOOL OF Fashion Design

Minutes of the meeting held on 10th October 2017

The meeting of the Board of Studies in School of Fashion Design, for the year 2017-18, was held on 10th October 2017 at 11:00 am in Board room of Jaipur National University.

The following members attended the meeting:

S.N	Members	Names
1	Chairperson	Prof. H.N Verma (Vice Chancellor)
2	External Members	Mr. Akshay Tholia - Renowned coach in Textile And Apparel Director of Training and Consultant at Sarv International)
		Mr. Rishab Manocha (Associate Professor, Modart)
		Mr. K.D Joshi- Director of Fashion Design –Banasthali Vidyapeeth
		Ms. Manvi Gupta (Textile Designer)
3	Internal Members	Ms. Shalini Gaur (Associate Professor)
		Ms. Kusum Joria (Assistant professor)
		Ms. Neha Sharma (Assistant Professor)
		Dr.(Prof) Divya Shrivastava (Joint-Director)

Vice Chancellor addressed the members and introduced external BOS Members to the board and further internal members introduced themselves.


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Item No. 1

1. Confirmation of the minutes of the meeting held on 23th April 2016.

The minutes of the meeting held on 23th April 2016 read and confirmed unanimously by all the members.

RESOLUTION
[No.: BOS/FD/2017/1]

UNANIMOUSLY RESOLVED THAT the minutes of BOS Meeting held on 23th April 2016 were hereby confirmed.

Item No. 2

The Chair presented the proposed revised syllabus of **Diploma in Fashion** in front of the Board. Initially the Board discussed on the proposal of the introduction of new courses in various semesters of **Diploma in Fashion**. Various discussions took place. The board gave few suggestions also and finally approved the introduction of the following courses .

Semester	Addition of Course	Removal of Course
I	<ul style="list-style-type: none">• Basic of fashion – DFD-101• Communication Skill- DFD-102• Computer Application - DFD-103• Fashion Illustration-I - DFD-104• Basic of Design - DFD-106• Material Exploration - DFD-107	<ul style="list-style-type: none">• Theory of textile- DFD-101• History of fashion - DFD-102• Communication Skill and Personality Development - DFD-103• Fashion Model and Drawing Illustration – DFD-104• Elements/ Principle of design and fashion – DFD-106
II	<ul style="list-style-type: none">• Textile Science – DFD-202• Fashion Illustration – II – DFD204	<ul style="list-style-type: none">• Fashion Illustration – DFDP202• Design Collection and Portfolio – DFDP204

RESOLUTION
[No.: BOS/FD2017/2]

UNANIMOUSLY RESOLVED THAT the revised structure of the Course “Diploma in Fashion” is appreciated and approved with the suggested changes subject to the final approval of Academic Council.

The revised curriculum is attached as Annexure 1.

Item No. 3

The Chair presented the proposed revised syllabus of B.DES (Fashion) in front of the Board


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Initially the Board discussed on the proposal of the introduction of new courses and few changes in various semesters of B.DES . Various discussions took place. The board gave few suggestions also and finally approved the introduction of the following

Semester	Particulars	Remarks
II	<ul style="list-style-type: none"> Course title Fabric Construction BDFDP-206 isto be replaced by Basic of Sewing Techniques BDFDP-206. Topic Dying and Printing is to be added in Unit- IV of Theory of Textile – BDFD-201. 	Approved with suggested changes.
III	<ul style="list-style-type: none"> Course title Construction and Sewing Techniques BDFDP-304 is to be deleted. 	Approved with suggested changes.

RESOLUTION

[No.: BOS/FD2017/3]

UNANIMOUSLY RESOLVED THAT the revised structure of the Course “B.DES Fashion “ is appreciated and approved with the suggested changes subject to the final approval of Academic Council .

The revised curriculum is attached as Annexure 2

Item No. 4

To discuss and approve Value Added Course.

Ms. KusumJoria explained the need of the introduction of proposed value-added course “Green Fashion”. She gave the following reason:

Green is now becoming part of mainstream fashion and instead of being seen as a challenge for the fashion industry it is being viewed as an opportunity. But how can designers choose ethical options and make decisions based on their environmental or social impact? This course provides an overview of sustainable fashion design practices, and how clothing can be designed for sustainability. In this course, you will explore how the design process can include sustainable concepts, materials and circularity. Each week we will explore new approaches and you will be set a task in response. The following week you will receive personal feedback from your tutor, as well as having the chance to learn from seeing the work of your fellow students.

Ms. KusumJoriathen presented the proposed structure of the syllabus of value-added course.

The board appreciated the concept and proposed few changes in the syllabus.

RESOLUTION

[No.: BOS/FD2017/4]


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UNANIMOUSLY RESOLVED THAT the introduction of Value-Added Course on "Green Fashion" from academic session is approved along with the proposed syllabus changes suggested to be incorporated subject to the final approval of Academic Council.

The new curriculum is attached as Annexure 3.

Item No. 5

Ms. Kusum Jori presented the proposal of approval of the courses having focus on employability/ entrepreneurship/ skill development in Diploma in Fashion Design. The following papers have been proposed in this category:

Basic Of Fashion	DFD-101
COMMUNICATION SKILLS	DFD-102
Computer Application	DFDP-103
Fashion Illustration - I	DFDP-104
Basic of Design	DFDP- 106
Material exploration	DFDP- 107
Textile Science	DFDP-202
Fashion Illustration	DFDP-204

RESOLUTION

[No.: BOS/FD2017/5]

UNANIMOUSLY RESOLVED THAT that the proposal of Diploma in Fashion Design having focus on employability / entrepreneurship/ skill development is approved, subject to the final approval of Academic Council.

There was no other point for discussion.

Board of Studies recommended the above resolutions to be presented in the Academic Council for further final approval.

The meeting ended with the vote of thanks to the Chair.


Chairperson


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Criterion 1: Curricular Aspects

Key Indicator 1.1: Curriculum Design and Development

Metric 1.1.2: BOS of Syllabus Revision

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BOARD OF STUDIES 2017-18

SCHOOL OF PHARMACEUTICAL SCIENCES

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[Signature]

**JAIPUR NATIONAL UNIVERSITY
BOARD OF STUDIES
SCHOOL OF PHARMACEUTICAL SCIENCES**

AGENDA

The meeting of "Board of Studies" in School of Pharmaceutical Sciences for the academic session 2017-18 onwards will be held on 11th March, 2017 at 10:30 AM at Board Room, Admin Block, SADTM Campus, Jaipur National University, Jaipur.

Agenda for the meeting is as follows:

1. Confirmation of minutes of meeting of previous BOS.
2. Action taken report.
3. To discuss and approve the proposed revised syllabus of B.Pharm under CBCS structure as per PCI norms from the academic session 2017-18 onwards.
4. To discuss and approve the proposed revised syllabus of M.Pharm under CBCS structure as per PCI norms from the academic session 2017-18 onwards.
5. To discuss and approve the introduction of new program Pharm..D. along with its syllabus from academic session 2017-18 onwards.
6. To discuss and approve the introduction of new program D.Pharm along with its syllabus from academic session 2017-18 onwards.
7. To discuss and approve the syllabus of course work of Ph.D (Pharmaceutical Sciences) from academic session 2017-18 onwards.
8. To discuss and approve the syllabus of Value Added Courses namely, "Soft Skill Development" and "Stress Management".
9. To approve the panel of examiners for theory and practical examinations.
10. Any other matter with the permission of Chair.


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**BOARD OF STUDIES IN THE SCHOOL OF PHARMACEUTICAL
SCIENCES**

Minutes of the Meeting held on 11th March, 2017

The meeting of the "Board of Studies (BOS)" in School of Pharmaceutical Sciences for the academic session 2017-18 onwards was held on 11th March, 2017 at 10:30 AM at the Board Room, Admin Block, SADTM Campus, Jaipur National University, Jaipur.

Following members were present in the meeting:

S. No.	Name	Designation
1.	Prof. H.N. Verma Vice-Chancellor, Jaipur National University, Jaipur	Chairperson
2.	Prof. Birendra Shrivastava Director School of Pharmaceutical Sciences Jaipur National University, Jaipur	Director
3.	Prof. B.N. Suhagia Professor L.M. College of Pharmacy, Ahmedabad	External Member
4.	Prof. S.R. Wakode Professor DIPSAR, New-Delhi	External Member
5.	Dr. Pankaj Sharma Associate Professor School of Pharmaceutical Sciences, Jaipur National University, Jaipur	Internal Member
6.	Dr. Ganesh N. Sharma Associate Professor School of Pharmaceutical Sciences Jaipur National University, Jaipur	Internal Member
7.	Dr. Rajesh Verma Associate Professor School of Pharmaceutical Sciences Jaipur National University, Jaipur	Internal Member
8.	Dr. Gaurav Gupta Associate Professor School of Pharmaceutical Sciences Jaipur National University, Jaipur	Internal Member

Chairperson of the Board addressed the members and introduced external BOS Members to the board and further, internal members introduced themselves.


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The summary of points discussed in the meeting is:

Item No. 1

Confirmation of minutes of meeting of previous BOS.

The minutes of meeting of previous BOS were confirmed.

RESOLUTION

[No.: BOS/2017/01]

Unanimously resolved that the minutes of previous BOS Meeting were hereby confirmed. The minutes of previous BOS Meeting is attached as Annexure (I).

Item No. 2

Action taken report

The decisions taken in the previous meeting have been implemented successfully.

1. Course work approved has been implemented from previous session.
2. The course work syllabus approved in the previous meeting has been implemented.
3. Value added courses – “Environment Health and Hygiene” and “Non-conventional Energy Resources” have been implemented.

Item No. 3

To discuss and approve the proposed revised syllabus of B.Pharm under CBCS structure as per PCI norms from the academic session 2017-18 onwards.

School of Pharmaceutical Sciences proposed to adopt the syllabus of B.Pharm as prescribed by Pharmacy Council of India (PCI). The details are as follows:

The curriculum of B. Pharmacy is organized as per the credit points. Total credit points are as follows;

Total credit points are 211.

Credit points for the students of Physics/Chemistry/Biology at 12th 213

Credit points for the students studied Physics/Chemistry/Maths 12th 214.

The syllabus of B. Pharmacy is reorganized under the guidelines of Pharmacy Council of India.

Comparison of previous syllabus with new is as follows:

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Syllabus	No of theory courses	No of practical courses
Previous	42	35
Proposed	40	27

New courses added are as follows:

Name of course	Credit
Remedial Mathematics/Biology	2/3
Herbal Drug Technology - Theory	4
Quality Assurance – Theory	4
Herbal Drug Technology - Practical	2
Pharmacy Practice - Theory	4
Novel Drug Delivery System - Theory	4
Practice School	6
Biostatistics & Research Methodology	4
Social & Preventive Pharmacy	4

Some new elective courses are also added:

Name of course (8 th Semester)	Credit
Pharma Marketing Management	4
Pharmaceutical Regulatory Science	4
Pharmacovigilance	4
Quality Control & Standardization of Herbals	4
Computer Aided Drug Design	4
Cell & Molecular Biology	4


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Cosmetic Science	4
Experimental Pharmacology	4
Advanced Instrumentation Techniques	4
Dietary Supplements & Nutraceuticals	4

Experiments in practical courses are specified. The syllabus of medicinal chemistry is overall more specified.

Semester wise changes in syllabus are as follows:

Semester I:

- Remedial mathematics for the students of Physics/Chemistry/Biology
- Remedial Biology for the students of Physics/Chemistry/Maths.

Semester II: The syllabus of computer science is changed & various topics useful for pharmacy are added and topics had less significant are removed. The new topics added are:

- Web Technologies,
- Introduction to Databases,
- Pharmacy Drug Database,
- Applications of computers in Pharmacy,
- Bioinformatics
- Computers as data analysis in Preclinical Development.

Semester IV: In the syllabus of Pharmaceutical Organic Chemistry-III, some new topics are added.

- More emphasis is given on stereochemistry
- Some reactions of synthetic importance are added.

Semester VI: Three new courses are added

- Herbal Drug Technology Theory
- Quality Assurance Theory &
- Herbal Drug Technology Practical.

Semester VII: Following are the changes:

- Number of practical courses reduced to 1
- Three new courses are added:
 - Pharmacy Practice Theory

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- Novel Drug Delivery System Theory
- Practice School. The Practice School course is added of 12 hours/week. The candidate will opt any one of the domain of practice school declared by the program committee of the school.

Semester VIII: Two new courses and two elective courses are introduced.

- Biostatistics & Research Methodology
- Social & Preventive Pharmacy
- Two elective courses out of the courses offered by the school. The courses are:

Name of course	Credit
Pharma Marketing Management	4
Pharmaceutical Regulatory Science	4
Pharmacovigilance	4
Quality Control & Standardization of Herbals	4
Computer Aided Drug Design	4
Cell & Molecular Biology	4
Cosmetic Science	4
Experimental Pharmacology	4
Advanced Instrumentation Techniques	4
Dietary Supplements & Nutraceuticals	4

As the BOS decided to adopt the syllabus of B.Pharm as prescribed by Pharmacy Council of India (PCI), the syllabus was approved without any change.

RESOLUTION

[No.: BOS/B.Pharm/2017/02]

The BOS unanimously approved the proposed revised syllabus of B.Pharm under CBCS structure as per PCI norms from the academic session 2017-18 onwards and has accepted to adopt the syllabus of B.Pharm as prescribed by Pharmacy Council of India (PCI). The curriculum of B.Pharm from session 2017-18 onwards is attached as Annexure (II).

The detailed course structure of revised syllabus of B.Pharm program is as below and detailed syllabus is attached as Attached SOPS 1.1.2 Syllabus (B.Pharm 2017-18).

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Course of study for semester-I

Course code	Name of the course	No. of hours	Tutorial	Credit points
BP101T	Human Anatomy and Physiology I-Theory	3	3	4
BP102T	Pharmaceutical Analysis I-Theory	3	1	4
BP103T	Pharmaceutics I-Theory	3	1	4
BP104T	Pharmaceutical Inorganic Chemistry – Theory	3	1	4
BP105T	Communication Skills – Theory*	2	-	2
BP106RBT BP106RMT	Remedial Biology/Remedial Mathematics – Theory*	2	-	2
BP107P	Human Anatomy and Physiology – Practical	4	-	2
BP108P	Pharmaceutical Analysis I-Practical	4	-	2
BP109P	Pharmaceutics I-Practical	4	-	2
BP110P	Pharmaceutical Inorganic Chemistry – Practical	4	-	2
BP111P	Communication Skills – Practical*	2	-	1
BP112RBP	Remedial Biology – Practical*	2	-	1
Total		32/34\$/36#	4	27/29\$/30#

#Applicable ONLY for the students who have studied Mathematics / Physics/Chemistry at HSC and appearing for Remedial Biology (RB)course.

\$Applicable ONLY for the students who have studied Physics / Chemistry / Botany/Zoology at HSC and appearing for Remedial Mathematics (RM)course.

* Non University Examination (NUE)

Tabel-II : Course of study for semester-II

Course code	Name of the course	No. of hours	Tutorial	Credit points
BP201T	Human Anatomy and Physiology II – Theory	3	1	4
BP202T	Pharmaceutical Organic Chemistry I – Theory	3	1	4
BP203T	Biochemistry – Theory	3	1	4
BP204T	Pathophysiology – Theory	3	1	4
BP205T	Computer Applications in Pharmacy – Theory*	3	-	3
BP206T	Environmental Sciences – Theory*	3	-	3
BP207P	Human Anatomy and Physiology II – Practical	4	-	2
BP208P	Pharmaceutical Organic Chemistry I – Practical	4	-	2
BP209P	Biochemistry – Practical	4	-	2
BP210P	Computer Applications in Pharmacy – Practical*	2	-	1
Total		32	4	29

*Non University Examination (NUE)

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Tabel-III : Course of study for semester-III

Course code	Name of the course	No. of hours	Tutorial	Credit points
BP301T	Pharmaceutical Organic Chemistry II-Theory	3	1	4
BP302T	Physical Pharmaceutics I - Theory	3	1	4
BP303T	Pharmaceutical Microbiology – Theory	3	1	4
BP304T	Pharmaceutical Engineering – Theory	3	1	4
BP305P	Pharmaceutical Organic Chemistry II – Practical	4	-	2
BP306P	Physical Pharmaceutics I – Practical	4	-	2
BP307P	Pharmaceutical Microbiology – Practical	4	-	2
BP308P	Pharmaceutical Engineering - Practical	4	-	2
	Total	28	4	24

Tabel-IV : Course of study for semester-IV

Course code	Name of the course	No. of hours	Tutorial	Credit points
BP401T	Pharmaceutical Organic Chemistry III-Theory	3	1	4
BP402T	Medicinal Chemistry I – Theory	3	1	4
BP403T	Physical Pharmaceutics II – Theory	3	1	4
BP404T	Pharmacology I – Theory	3	1	4
BP405T	Pharmacognosy and Phytochemistry I – Theory	3	1	4
BP406P	Medicinal Chemistry I – Practical	4	-	2
BP407P	Physical Pharmaceutics II – Practical	4	-	2
BP408P	Pharmacology I – Practical	4	-	2
BP409P	Pharmacognosy and Phytochemistry I - Practical	4	-	2
	Total	31	5	28

Tabel-V : Course of study for semester-V

Course code	Name of the course	No. of hours	Tutorial	Credit points
BP501T	Medicinal Chemistry II – Theory	3	1	4
BP502T	Industrial Pharmacy I – Theory	3	1	4
BP503T	Pharmacology II – Theory	3	1	4
BP504T	Pharmacognosy and Phytochemistry II – Theory	3	1	4
BP505T	Pharmaceutical Jurisprudence – Theory	3	1	4
BP506P	Industrial Pharmacy I – Practical	4	-	2
BP507P	Pharmacology II – Practical	4	-	2
BP508P	Pharmacognosy and Phytochemistry II - Practical	4		2


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	Total	27	5	26
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Tabel-VI : Course of study for semester-VI

Course code	Name of the course	No. of hours	Tutorial	Credit points
BP601T	Medicine Chemistry III – Theory	3	1	4
BP602T	Pharmacology III – Theory	3	1	4
BP603T	Herbal Drug Technology – Theory	3	1	4
BP604T	Biopharmaceutics and Pharmacokinetics – Theory	3	1	4
BP605T	Pharmaceutical Biotechnology – Theory	3	1	4
BP606T	Quality Assurance – Theory	3	1	4
BP607T	Medicinal Chemistry III – Practical	4	-	2
BP608P	Pharmacology III – Practical	4	-	2
BP609P	Herbal Drug Technology - Practical	4	-	2
	Total	30	6	30

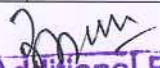
Tabel-VII : Course of study for semester-VII

Course code	Name of the course	No. of hours	Tutorial	Credit points
BP701T	Instrumental Methods of Analysis – Theory	3	1	4
BP702T	Industrial Pharmacy II – Theory	3	1	4
BP703T	Pharmacy Practice – Theory	3	1	4
BP704T	Novel Drug Delivery System – Theory	3	1	4
BP705P	Instrumental Methods of Analysis – Practical	4	-	2
BP706P S	Practice School*	12	-	6
	Total	28	5	24

*Non University Examination (NUE)

Tabel-VIII : Course of study for semester-VIII

Course code	Name of the course	No. of hours	Tutorial	Credit points
BP801T	Biostatistics and Research Methodology	3	1	4
BP802T	Social and Preventive Pharmacy	3	1	4
BP803ET	Pharma Marketing Management	3 + 3 = 6	1 + 1 = 2	4 + 4 = 8
BP804ET	Pharmaceutical Regulatory Science			
BP805ET	Pharmacovigilance			
BP806ET	Quality Control and Standardization of Herbals			
BP807ET	Computer Aided Drug Design			
BP808ET	Cell and Molecular Biology			
BP809ET	Cosmetic Science			


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BP810ET	Experimental Pharmacology			
BP811ET	Advanced Instrumentation Techniques			
BP812ET	Dietary Supplements and Nutraceuticals			
BP813PW	Project Work	12	-	6
	Total	24	4	22

Table-XI : Semester wise credits distribution

Semester	Credit Points
I	27/29 ^s /30 [#]
II	29
III	26
IV	28
V	26
VI	26
VII	24
VIII	22
Extracurricular/Co curricular activities	01*
Total credit points for the program	209/211^s/212[#]

Item No. 4

To discuss and approve the proposed revised syllabus of M.Pharm under CBCS structure as per PCI norms from the academic session 2017-18 onwards.

School of Pharmaceutical Sciences proposed to adopt the syllabus of M.Pharm as prescribed by Pharmacy Council of India (PCI). The details are as follows:

Major Change and additions in M. Pharmacy all specializations in Credit Based Semester System (CBSS) is proposed from the Academic Year 2017-18.

- The scheme for M. pharmacy is radically changed as per the current employability need of academia and industry.
- “The Revised Regulations for the Master of Pharmacy (M. Pharm.) Degree Program includes Credit Based Semester System (CBSS) and is proposed from the Academic Year 201-18.

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- The proposed new scheme consists four semester/ two years, program consisting credit based system where a total of 6 credit points are proposed to a course for whole semester consisting of theory and practical (4+2Hrs).
- Minimum proposed credit points are 95 to complete the degree. Each specialization consists of four theories and one practical up to IIInd semester. Various new courses are proposed to programs to meet the current challenges of pharmaceutical industry.
- Research methodology and biostatistics is proposed to third semester which is common to all specializations.
- III and IVth semesters are common for all the specializations. The semesters include Journal club for research activities and research proposal/ presentation.

Presently School of pharmaceutical sciences offer Master of Pharmacy (M. Pharm) course of two years (four semesters) duration in the following Specialization.

- Pharmaceutical Chemistry
- Pharmaceutics
- Pharmacology
- Quality Assurance Techniques

Comparison of changes proposed in the syllabus from 2017-18 with respect to previous syllabus are as follows:

Syllabus	No of theory courses	No of practical courses
Previous	8	4
Proposed	11 (Including Journal club)	02 + 2 assignment/PPT

New courses proposed from year 2017-18 are as follows:

M. Pharm Specialization	Name of course	Credit points
Pharmaceutical Chemistry	Advanced spectral analysis- theory	4
	CADD – Theory	4
	Pharmaceutical process chemistry - Theory	4
Pharmaceutics	Drug delivery system	4
	Regulatory affairs	4
	Molecular Pharmaceutics	4
	Computer aided drug delivery system	4
Pharmacology	Pharmacological and Toxicological Screening Methods-I	4
	Cellular and Molecular Pharmacology	4


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Pharmaceutical Quality Assurance	Product Development and Technology Transfer	4
	Hazards and Safety Management	4
	Pharmaceutical Validation	4
	Audits and Regulatory Compliance	4
Common for All specializations	Research methodology and Biostatistics	4
	Journal club	1

Branch wise comparison and changes are given below for each specialization

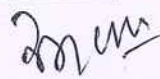
M. Pharm Pharmaceutical Chemistry: Semester I

S.No	Comparison of subjects	
	Old syllabus	New syllabus
1	Modern Analytical Techniques	Modern Pharmaceutical Analytical Techniques
2	Advanced Pharmaceutical Sciences-I	Advanced Organic Chemistry -I
3	Modern Analytical Techniques and Animal Handling (Practical)	Advanced medicinal chemistry
4	Medicinal Chemistry	Chemistry of Natural Products
5	Stereochemistry And Reaction Mechanism	Pharmaceutical Chemistry Practical I
6	Medicinal Chemistry (Practical)	Seminar/Assignment

- New syllabus is proposed to be individualized with five subjects and one seminar in comparison to earlier syllabus which has three common subjects for all the specializations of M. Pharm.
- The name Modern pharmaceutical analytical techniques are proposed in place of Modern analytical techniques which will emphasize pharmaceutical approach.
- Animal handling practical is proposed to remove looking to the CPCSEA guidelines.
- Natural product as theory is proposed as new course.

M. Pharm Pharmaceutical Chemistry: Semester II

S.No	Comparison of subjects	
	Old syllabus	New syllabus
1	Advanced Pharmaceutical Sciences-II	Advanced Spectral Analysis
2	Research Methodology	Advanced Organic Chemistry -II
3	Advanced Medicinal Chemistry	Computer Aided Drug Design
4	Advanced Chemistry of Natural Products	Pharmaceutical Process Chemistry
5	Advanced Medicinal Chemistry (Practical)	Pharmaceutical Chemistry Practical II
6	Advanced Chemistry of Natural Products (Practical)	Seminar/Assignment


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- Advanced Spectral Analysis is proposed to acquaint students with modern techniques of spectroscopy
- Practical related to natural product chemistry proposed to remove because of repetition of B. Pharm.
- Seminar presentation is proposed as course to improve communication skill of students
- To combat with modern drug discovery challenges the CADD is proposed to the semester

M. Pharm Pharmaceutics Sem: I

S.No	Comparison of subjects	
	Old syllabus	New syllabus
1	Modern Analytical Techniques	Modern Pharmaceutical Analytical Techniques
2	Advanced Pharmaceutical Sciences-I	Drug Delivery System
3	Modern Analytical Techniques and Animal Handling (Practical)	Modern Pharmaceutics
4	Biopharmaceutics and Pharmacokinetic	Regulatory Affair
5	Physical Pharmaceutics	Pharmaceutics Practical I
6	Biopharmaceutics and Pharmacokinetic (Practical)	Seminar/Assignment

- Drug delivery system and regulatory affairs have been added as new courses
- Biopharmaceutics and kinetics has been shifted in third semester
- Seminar presentation has been added to improve communication skill of students

M. Pharm Pharmaceutics Sem: II

S.No	Comparison of subjects	
	Old syllabus	New syllabus
1	Advanced Pharmaceutical Sciences-II	Molecular Pharmaceutics (Nano Tech and Targeted DDS)
2	Research Methodology	Advanced Biopharmaceutics & Pharmacokinetics
3	Advanced Pharmaceutics And Pharmaceutical Packaging	Computer Aided Drug Delivery System


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4	Novel Drug Delivery System	Cosmetic and Cosmeceuticals
5	Advanced Pharmaceutics And Pharmaceutical Packaging(Practical)	Pharmaceutics Practical II
6	Novel Drug Delivery System(Practical)	Seminar/Assignment

- As per the need of modern pharmaceutical development modern pharmaceutics has been added to the curriculum
- To reduce the effort made by formulation scientist computer aided drug development has been added.
- Seminar presentation has been added to improve communication skill of students

M. Pharm Pharmacology Sem: I

S.No	Comparison of subjects	
	Old syllabus	New syllabus
1	Modern Analytical Techniques	Modern Pharmaceutical Analytical Techniques
2	Advanced Pharmaceutical Sciences-I	Advanced Pharmacology-I
3	Modern Analytical Techniques and Animal Handling (Practical)	Pharmacological and Toxicological Screening Methods-I
4	Clinical Pharmacotherapeutics	Cellular and Molecular Pharmacology
5	Drug Development & Evaluation	Pharmacology Practical I
6	Drug Development & Evaluation (Practical)	Seminar/Assignment

- To meet current clinical development and increased speed of drug discovery process screening methods as a course has been added
- For understanding at molecular level cellular and molecular pharmacology has been added as a new course
- Seminar/ assignment has been given to acquaint the student with presentation and writing skills

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M. Pharm Pharmacology II sem

S.No	Comparison of subjects	
	Old syllabus	New syllabus
1	Advanced Pharmaceutical Sciences-II	Advanced Pharmacology II
2	Research Methodology	Pharmacological and Toxicological Screening Methods-II
3	Advanced Pharmacology	Principles of Drug Discovery
4	Molecular & Clinical Pharmacy	Experimental Pharmacology
5	Advanced Pharmacology(Practical)	Pharmacology Practical II
6	Molecular & Clinical Pharmacy(Practical)	Seminar/Assignment

- To meet current clinical development and increased speed of drug discovery process screening methods part II as a course has been added
- Seminar/ assignment has been given to acquaint the student with presentation and writing skills
- To add experimental basics experimental pharmacology has been added

M. Pharm Quality Assurance Sem: I

S.No	Comparison of subjects	
	Old syllabus	New syllabus
1	Modern Analytical Techniques	Modern Pharmaceutical Analytical Techniques
2	Advanced Pharmaceutical Sciences-I	Quality Management System
3	Modern Analytical Techniques and Animal Handling (Practical)	Quality Control and Quality Assurance
4	Standardization & Stabilization Methods	Product Development and Technology Transfer
5	Total Quality Management	Pharmaceutical Quality Assurance Practical I
6	Standardization & Stabilization Methods (Practical)	Seminar/Assignment

- To acquaint student with knowledge of product development and technology course has been added in the new syllabus.
- TQM has been change to QMS
- QA and QC as per requirement of industry has been added in the new syllabus in I sem


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M pharm QA Sem:II

S.No	Comparison of subjects	
	Old syllabus	New syllabus
1	Advanced Pharmaceutical Sciences-II	Hazards and Safety Management
2	Research Methodology	Pharmaceutical Validation
3	Special Techniques in Drug Analysis	Audits and Regulatory Compliance
4	Pharm. Quality Assurance	Pharmaceutical Manufacturing Technology
5	Special Techniques in Drug Analysis (Practical)	Pharmaceutical Quality Assurance Practical II
6	Pharm. Quality Assurance (Practical)	Seminar/Assignment

- Hazards and Safety Management as new course is added to strengthen and aware the students with safety and chemical hazard
- Validation and manufacturing technology has been added as new courses
- Audits and regulatory compliance also strengthen the course

As the BOS decided to adopt the syllabus of M.Pharm as prescribed by Pharmacy Council of India (PCI), the syllabus was approved without any change.

RESOLUTION

[No.: BOS/M.Pharm/2017/03]

The BOS unanimously approved the proposed revised syllabus of M.Pharm under CBCS structure as per PCI norms from the academic session 2017-18 onwards and has accepted to adopt the syllabus of M.Pharm as prescribed by Pharmacy Council of India (PCI). The curriculum of B.Pharm from session 2017-18 onwards is attached as Annexure (III).

The detailed course structure of revised syllabus of M.Pharm program is as below and detailed syllabus is attached as Attached SOPS 1.1.2 Syllabus (M.Pharm 2017-18).

Course of study for M. Pharm. (Pharmaceutics)

Course Code	Course	Credit Hours	Credit Points	Hrs./wk	Marks
Semester I					
MPH101T	Modern Pharmaceutical Analytical Techniques	4	4	4	100
MPH102T	Drug Delivery System	4	4	4	100
MPH103T	Modern Pharmaceutics	4	4	4	100
MPH104T	Regulatory Affair	4	4	4	100
MPH105 P	Pharmaceutics Practical I	12	6	12	150
-	Seminar/Assignment	7	4	7	100
Total		35	26	35	650
Semester II					


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MPH201T	Molecular Pharmaceutics (Nano Tech and Targeted DDS)	4	4	4	100
MPH202T	Advanced Biopharmaceutics & Pharmacokinetics	4	4	4	100
MPH203T	Computer Aided Drug Delivery System	4	4	4	100
MPH204T	Cosmetic and Cosmeceuticals	4	4	4	100
MPH205 P	Pharmaceutics Practical II	12	6	12	150
-	Seminar/Assignment	7	4	7	100
	Total	35	26	35	650

Table – 3: Course of study for M. Pharm. (Pharmaceutical Chemistry)

Course Code	Course	Credit Hours	Credit Points	Hrs./wk	Marks
Semester I					
MPC 101T	Modern Pharmaceutical Analytical Techniques	4	4	4	100
MPC 102T	Advanced Organic Chemistry -I	4	4	4	100
MPC 103T	Advanced Medicinal chemistry	4	4	4	100
MPC 104T	Chemistry of Natural Products	4	4	4	100
MPC 105P	Pharmaceutical Chemistry Practical I	12	6	12	150
-	Seminar/Assignment	7	4	7	100
	Total	35	26	35	650
Semester II					
MPC 201T	Advanced Spectral Analysis	4	4	4	100
MPC 202T	Advanced Organic Chemistry -II	4	4	4	100
MPC 203T	Computer Aided Drug Design	4	4	4	100
MPC 204T	Pharmaceutical Process Chemistry	4	4	4	100
MPC 205P	Pharmaceutical Chemistry Practical II	12	6	12	150
-	Seminar/Assignment	7	4	7	100
	Total	35	26	35	650

Table – 4: Course of study for M. Pharm. (Pharmaceutical Quality Assurance)

Course Code	Course	Credit Hours	Credit Points	Hrs./wk	Marks
Semester I					
MQA 101T	Modern Pharmaceutical Analytical Techniques	4	4	4	100


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MQA 102T	Quality Management System	4	4	4	100
MQA 103T	Quality Control and Quality Assurance	4	4	4	100
MQA 104T	Product Development and Technology Transfer	4	4	4	100
MQA 105P	Pharmaceutical Quality Assurance Practical I	12	6	12	150
-	Seminar/Assignment	7	4	7	100
Total		35	26	35	650
Semester II					
MQA 201T	Hazards and Safety Management	4	4	4	100
MQA 202T	Pharmaceutical Validation	4	4	4	100
MQA 203T	Audits and Regulatory Compliance	4	4	4	100
MQA 204T	Pharmaceutical Manufacturing Technology	4	4	4	100
MQA 205P	Pharmaceutical Quality Assurance Practical II	12	6	12	150
-	Seminar/Assignment	7	4	7	100
Total		35	26	35	650

Table – 5: Course of study for (Pharmacology)

Course Code	Course	Credit Hours	Credit Points	Hrs./wk	Marks
Semester I					
MPL 101T	Modern Pharmaceutical Analytical Techniques	4	4	4	100
MPL 102T	Advanced Pharmacology-I	4	4	4	100
MPL 103T	Pharmacological and Toxicological Screening Methods-I	4	4	4	100
MPL 104T	Cellular and Molecular Pharmacology	4	4	4	100
MPL 105P	Pharmacology Practical I	12	6	12	150
-	Seminar/Assignment	7	4	7	100
Total		35	26	35	650
Semester II					
MPL 201T	Advanced Pharmacology-II	4	4	4	100
MPL 202T	Pharmacological and Toxicological Screening Methods-II	4	4	4	100
MPL 203T	Principles of Drug Discovery	4	4	4	100
MPL 204T	Experimental Pharmacology practical- II	4	4	4	100
MPL 205P	Pharmacology Practical-II	12	6	12	150
-	Seminar/Assignment	7	4	7	100
Total		35	26	35	650

Table – 6: Course of study for M. Pharm. III Semester
(Common for All Specializations)

Course	Course	Credit Hours	Credit
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Code			Points
MRM 301T	Research Methodology and Biostatistics*	4	4
-	Journal club	1	1
-	Discussion / Presentation (Proposal Presentation)	2	2
-	Research Work	28	14
Total	35	21	21

* Non University Exam

Table – 7: Course of study for M. Pharm. IV Semester
(Common for All Specializations)

Course Code	Course	Credit Hours	Credit Points
	Journal Club	1	1
	Research Work	31	16
	Discussion/Final Presentation	3	3
	Total	35	20

Table – 8: Semester wise credits distribution

Semester	Credit Points
I	26
II	26
III	21
IV	20
Co-curricular Activities (Attending Conference, Scientific Presentations and Other Scholarly Activities)	Miniumum=02 Maximum=07*
Total Credit Points	Minimum=95 Maximum=100*

*Credit Points for Co-curricular Activities

Table – 9: Guidelines for Awarding Credit Points for Co-curricular Activities

Name of the Activity	Maximum Credit Points Eligible/Activity
Participation in National Level Seminiar/Conference/Workshop/Symposium/Training Programs (related to the specialization of the student)	01
Participation in international Level Seminar/conference/Workshop/Symposium/Training Programs (related to the specialization of the student)	02
Academic Award/Research Award from State Level/National Agencies	01
Academic Award/Research Award from International Agencies	02
Research/Review Publication in National Journals (Indexed in Scopus/Web of Science)	01
Research/Review Publication in International Journals (Indexed in Scopus/Web of Science)	02


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Item No. 5

To discuss and approve the introduction of new program Pharm.D. along with its syllabus from academic session 2017-18 onwards.

School of Pharmaceutical Sciences proposed to adopt the syllabus of Pharm.D. as prescribed by Pharmacy Council of India (PCI).

As the BOS decided to adopt the syllabus of Pharm.D. as prescribed by Pharmacy Council of India (PCI), the syllabus was approved without any change.

RESOLUTION

[No.: BOS/Pharm.D./2017/04]

The BOS unanimously approved the introduction of new program Pharm.D along with its syllabus from academic session 2017-18 onwards and has accepted to adopt the syllabus of Pharm.D as prescribed by Pharmacy Council of India (PCI). The curriculum of Pharm.D from session 2017-18 onwards is attached as Annexure (IV).

The detailed course structure of new program Pharm.D is as below and detailed syllabus is attached as Attached SOPS 1.1.2 Syllabus (Pharm.D 2017-18).

TABLES**First Year examination:**

S. No.	Name of Subject	Maximum marks for Theory			Maximum marks for Practicals		
		Examination	Sessional	Total	Examination	Sessional	Total
1.1	Human Anatomy and Physiology	70	30	100	70	30	100
1.2	Pharmaceutics	70	30	100	70	30	100
1.3	Medicinal Biochemistry	70	30	100	70	30	100
1.4	Pharmaceutical Organic Chemistry	70	30	100	70	30	100
1.5	Pharmaceutical Inorganic Chemistry	70	30	100	70	30	100
1.6	Remedial Mathematics/Biology	70	30	100	70*	30*	100*
				600			600 = 1200

* for Biology.

Second Year examination:

S. No.	Name of Subject	Maximum marks for Theory			Maximum marks for Practicals		
		Examination	Sessional	Total	Examination	Sessional	Total


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2.1	Pathophysiology	70	30	100	-	-	-
2.2	Pharmaceutical Microbiology	70	30	100	70	30	100
2.3	Pharmacognosy & Phytopharmaceuticals	70	30	100	70	30	100
2.4	Pharmacology-I	70	30	100	-	-	-
2.5	Community Pharmacy	70	30	100	-	-	-
2.6	Pharmacotherapeutics-I	70	30	100	70	30	100
				600			300 = 900

Third Year examination:

S. No.	Name of Subject	Maximum marks for Theory			Maximum marks for Practicals		
		Examination	Sessional	Total	Examination	Sessional	Total
3.1	Pharmacology-II	70	30	100	70	30	100
3.2	Pharmaceutical Analysis	70	30	100	70	30	100
3.3	Pharmacotherapeutics-II	70	30	100	70	30	100
3.4	Pharmaceutical Jurisprudence	70	30	100	-	-	-
3.5	Medicinal Chemistry	70	30	100	70	30	100
3.6	Pharmaceutical Formulations	70	30	100	70	30	100
				600			500 = 1100

Fourth Year examination:

S. No.	Name of Subject	Maximum marks for Theory			Maximum marks for Practicals		
		Examination	Sessional	Total	Examination	Sessional	Total
4.1	Pharmacotherapeutics-III	70	30	100	70	30	100
4.2	Hospital Pharmacy	70	30	100	70	30	100
4.3	Clinical Pharmacy	70	30	100	70	30	100
4.4	Biostatistics & Research Methodology	70	30	100	-	-	-
4.5	Biopharmaceutics & Pharmacokinetics	70	30	100	70	30	100
4.6	Clinical Toxicology	70	30	100	-	-	-
				600			400 = 1000

Fifth Year examination:

S. No.	Name of Subject	Maximum marks for Theory			Maximum marks for Practicals		
		Examination	Sessional	Total	Examination	Sessional	Total
5.1	Clinical Research	70	30	100	-	-	-
5.2	Pharmacoepidemiology and	70	30	100	-	-	-


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	Pharmacoeconomics						
5.3	Clinical Pharmacokinetics & Pharmacotherapeutic Drug Monitoring	70	30	100	-	-	-
5.4	Clerkship *	-	-	-	70	30	100
5.5	Project work (Six Months)	-	-	-	100**	-	100
				300			200=500

* Attending ward rounds on daily basis.

** 30 marks – viva-voce (oral)

70 marks – Thesis work

Item No. 6

To discuss and approve the introduction of new program D.Pharm along with its syllabus from academic session 2017-18 onwards.

School of Pharmaceutical Sciences proposed to adopt the syllabus of D.Pharm as prescribed by Pharmacy Council of India (PCI).

As the BOS decided to adopt the syllabus of D.Pharm as prescribed by Pharmacy Council of India (PCI), the syllabus was approved without any change.

The detailed course structure of **new program D. Pharma** is as below and detailed syllabus is attached as **Attached SOPS 1.1.2 Syllabus (D. Pharma 2017-18)**.

D.Pharm Part I

Paper No.	Subject	Teaching hrs	Univ.	Marks		
				Session	Univ	Total
D.Ph. 1.1 T	Pharmaceutics-I, Theory	3	3	20	80	100
D.Ph. 1.1 P	Pharmaceutics-I, Practical	4	3	20	80	100
D.Ph. 1.2 T	Pharmaceutical Chemistry-I, Theory	3	3	20	80	100
D.Ph. 1.2 P	Pharmaceutical Chemistry-I, Practical	3	3	20	80	100
D.Ph. 1.3 T	Pharmacognosy, Theory	3	3	20	80	100
D.Ph. 1.3 P	Pharmacognosy, Practical	3	3	20	80	100
D.Ph. 1.4 T	Biochemistry & Clinical Pathology, Theory	2	3	20	80	100
D.Ph. 1.4 P	Biochemistry & Clinical Pathology,	3	3	20	80	100
D.Ph. 1.5 T	Human Anatomy & Physiology, Theory	3	3	20	80	100
D.Ph. 1.5 P	Human Anatomy & Physiology, Practical	2	3	20	80	100
D.Ph. 1.6 T	Health Education & Community Pharmacy,	3	3	20	80	100
	Total	32		220	880	1100

D.Pharm Part II


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Paper No.	Subject	Teaching hrs	Univ.	Marks		
				Session	Uni v.	Total
D.Ph. 2.1 T	Pharmaceutics-II, Theory	3	3	20	80	100
D.Ph. 2.1 P	Pharmaceutics-II, Practical	4	3	20	80	100
D.Ph. 2.2 T	Pharmaceutical Chemistry-II, Theory	4	3	20	80	100
D.Ph. 2.2 P	Pharmaceutical Chemistry-II, Practical	3	3	20	80	100
D.Ph. 2.3 T	Pharmacology & Toxicology, Theory	3	3	20	80	100
D.Ph. 2.3 P	Pharmacology & Toxicology, Practical	2	3	20	80	100
D.Ph. 2.4 T	Pharmaceutical Jurisprudence, Theory	2	3	20	80	100
D.Ph. 2.5 T	Drug Store and Business Management,	3	3	20	80	100
D.Ph. 2.6 T	Hospital & Clinical Pharmacy, Theory	3	3	20	80	100
D.Ph. 2.6 P	Hospital & Clinical Pharmacy, Practical	2	3	20	80	100
	Total	29		200	800	1000

RESOLUTION

[No.: BOS/D.Pharm/2017/05]

The BOS unanimously approved the introduction of new program D.Pharm along with its syllabus from academic session 2017-18 onwards and has accepted to adopt the syllabus of D.Pharm as prescribed by Pharmacy Council of India (PCI). The curriculum of D.Pharm from session 2017-18 onwards is attached as Annexure (V).

Item No. 7

To discuss and approve the syllabus of course work of Ph.D (Pharmaceutical Sciences) from academic session 2017-18 onwards.

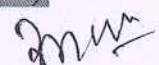
The board discussed about the syllabus of course work of Ph.D (Pharmaceutical Sciences).

It was decided by BOS to continue the same syllabus of course work of Ph.D (Pharmaceutical Sciences) as approved in the BOS for session 2016-17.

RESOLUTION

[No.: BOS/Ph.D/2017/06]

The BOS unanimously approved the syllabus of course work of Ph.D (Pharmaceutical Sciences) from academic session 2017-18 onwards and has approved to continue the same syllabus of course work of Ph.D (Pharmaceutical Sciences) as approved in the BOS for session 2016-17. The curriculum for which is attached as Annexure (VI).


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Item No. 8

To discuss and approve the syllabus of Value Added Courses namely “Soft Skill Development” and “Stress Management”

School of Pharmaceutical Sciences, Jaipur National University proposed to incorporate two Value Added Courses along with their scheme and syllabus:

- I. Soft Skill Development.
- II. Stress Management.

The BOS has accepted to approve the syllabus for above Value added courses as proposed by the school.

RESOLUTION

[No.: BOS/VAC/2017/07]

The BOS approved the schemes and syllabi for both the Value Added Courses- “Soft Skill Development” and “Stress Management” to be effective from session 2017-18. The curriculum for Value Added Courses is attached as Annexure (VII & VIII).

Item No. 9

To approve the panel of examiners for theory and practical examinations.

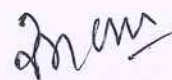
School of Pharmaceutical Sciences, Jaipur National University proposed panel of external examiners for theory and practical examinations.

The BOS accepted the proposed panel of external examiners for theory and practical examinations with some suggestions.

RESOLUTION

[No.: BOS/Panel/2017/08]

The BOS accepted the approved the proposed panel of external examiners for theory and practical examinations with some suggestions. The final approved panel of external examiners is attached as Annexure (IX).



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Item No. 10

Any other matter with the permission of Chair.

There was no any other matter for discussion.

Board of Studies recommended the above resolutions to be presented in the Academic Council for further final approval.

The meeting ended with the vote of thanks to the Chair.


Authorized Signatory


Additional Registrar
Jaipur National University
Jaipur