

**Minutes of the 36<sup>th</sup> Meeting of the Academic Council held on  
Tuesday, 25<sup>th</sup> July, 2017 at 2.30 p.m.**

The **Thirty-Sixth Meeting of the Academic Council** was held on **Tuesday, 25<sup>th</sup> July, 2017 at 2.30 p.m.** in the Auditorium of Dr. D. Y. Patil Medical College, Hospital & Research Centre, Pimpri, Pune - 411 018.

The following members were present:

<b>Sr. No.</b>	<b>Name of the Member</b>	<b>Designation</b>
1.	Dr. P. N. Razdan	Chairman
2.	Dr. K. Sudha Rao	Member
3.	Dr. Arvind Sangamnerkar	Member
4.	Dr. Alok Bhattacharya	Member
5.	Dr. A. L. Kakrani	Member
6.	Dr. Deepak Kulkarni	Member
7.	Dr. J. K. Pal	Member
8.	Dr. L. K. Tripathy	Member
9.	Dr. K. S. Jamadar	Member
10.	Dr. Tushar Palekar	Member
11.	Dr. J. S. Bhawalkar	Member
12.	Dr. P. R. Manvikar	Member
13.	Dr. (Mrs.) N. G. Borade	Member
14.	Dr. (Mrs.) M. A. Tilak	Member
15.	Dr. Harsh Kumar	Member
16.	Dr. R. N. Misra	Member
17.	Dr. A. V. Tilak	Member
18.	Dr. Amitav Banerjee	Member
19.	Dr. S. R. Agarkhedkar	Member
20.	Dr. Daniel Saldanha	Member
21.	Dr. N. S. Gaikwad in place of Dr. M. S. Barthwal	Member
22.	Dr. Shahaji Chavan	Member
23.	Dr. Sanjay Deo	Member
24.	Dr. S. G. Gandage	Member
25.	Dr. James Thomas	Member
26.	Dr. (Mrs.) Renu M. Magdum	Member
27.	Dr. Col. V. R. R. Chari	Member
28.	Dr. Hemant D. Deshpande	Member
29.	Dr. S. K. Thombre	Member
30.	Dr. S. P. Kankalia	Member
31.	Dr. Shalesh Rohatgi	Member
32.	Dr. B. B. Dogra	Member
33.	Dr. Sanjyot Mulay	Member
34.	Dr. Supriya Pande (Kheur)	Member

Sr. No.	Name of the Member	Designation
35.	Dr. Sahana Hegde (Shetiya)	Member*
36.	Mr. Veshal Madan	Member
37.	Ms. Safia Farooqi	Member
38.	Dr. Vikram B. Vikhe	Member
39.	Dr. S. A. Kanitkar	Member
40.	Dr. P. K. Satpathy	Member
41.	Dr. Geeta Karambelkar	Member
42.	Dr. Vineeta Pande	Member
43.	Dr. Rajeshwari Vhora	Member
44.	Dr. S. V. Panchbhai	Member
45.	Dr. Mahendra Bendre	Member
46.	Dr. D. S. Nirhale	Member
47.	Dr. Ajit Swamy	Member
48.	Dr. Sanjay M. Khaladkar	Member
49.	Dr. Rajesh S. Kuber	Member
50.	Dr. Mary Samuel	Member
51.	Dr. Vidya A. Gaikwad	Member
52.	Dr. Minal Patvekar	Member
53.	Dr. Himadri Bal	Member
54.	Dr. Kalyani Bhate	Member
55.	Dr. Ravindra Manerikar	Member
56.	Dr. Anita Kulloli	Member
57.	Dr. Rajesh Shetty	Member
58.	Dr. Sachin Sarode	Member
59.	Dr. Neelu Nawani	Member
60.	Dr. M. Vijaykumar	Member
61.	Dr. Kunal Bhattacharya	Member
62.	Dr. Praveen Kumar Arora	Member
63.	Dr. Gaurang Baxi	Member
64.	Dr. Martha Raut	Member
65.	Mr. M. S. Phirange	Permanent Invitee
66.	Dr. Anil Keskar	Special Invitee
67.	Dr. Ramesh Bhonde	Special Invitee
68.	Dr. A. N. Suryakar	Secretary

Leave of absence was granted to Dr. Y. M. Jayaraj, Dr. Dalvi Shashank D., Dr. Deelip Mhaisekar, Dr. A. L. Ghangale, Dr. D. Gopalkrishnan, Dr. Jayesh Rahalkar, Dr. G. D. Tandon, and Dr. Manisha Rathi who had expressed their inability to attend the meeting.

Dr. Milind A. Patvekar, Dr. Deepak Ranade, Dr. Tushar A. Dighe, Dr. Pranav Jadhav, Dr. Anurag Garg, Dr. Anil Katdare, Dr. Dilip Kakade, Dr. Vikas Bengude, Dr. Vikram Khare, Dr. S. S. Chandanwale, Dr. S. K. Sharma, Dr. Archana A. Javdekar, Dr. Hemant V. Talanikar, Dr. Balaji Dattu Dhaigude, Dr. O. K. Radhakrishnan, Dr. Abhay Lune, Dr. Pushkar Waknis, Dr. Rahul Deshpande, Dr. Asha Chowdhary, Dr. Amit Jagtap, Dr. Shalini Aggarwal, Dr. V. M. Kulkarni and were absent for the meeting without prior intimation. **Heads of Institutions need to convey the concern of Chairman about absence of members and seek comments for their absence without any prior intimation.**

Vice Chancellor expressed condolence for sad demise of Prof. U. R. Rao, Former Chairman, ISRO and who was awarded the first degree holder of Doctor of Science (*Honoris Causa*), for his unique contributions to Space Science and Space Technology by our Vidyapeeth at its Convocation held in the year 2010. Two minutes silence was followed in the meeting. The members of council resolved to convey our deep condolence to the family of Prof. U. R. Rao.

Thereafter the business of the meeting was taken up.

**Item No. AC-14-17:** To confirm the minutes of the last meeting of the Academic Council held on 6<sup>th</sup> April, 2017

**Resolution No. AC-14-17:** It was resolved that the minutes of the last meeting of the Academic Council held on 6<sup>th</sup> April, 2017, be confirmed.

**Item No. AC-15-17:** To consider the report on the 'Actions Taken' by the Vidyapeeth office on the resolutions of the Academic Council.

**Resolution No. AC-15-17:** It was resolved that the 'Actions Taken' by the Vidyapeeth office on the resolutions of the last meeting of the Academic Council held on 6<sup>th</sup> April, 2017, be noted.

**Item No. AC-16-17:** To inform the house about the major developments in the Vidyapeeth and its Constituent Colleges / Institutes, since its last meeting.

**Resolution No. AC-16-17:** It was resolved that the major developments in the Vidyapeeth and its Constituent Colleges / Institutes, be noted.

**Item No. AC-17-17:** To inform the house about the actions taken by the Vice Chancellor on the following items, on behalf of the Academic Council, since its last meeting.

**Resolution No. AC-17-17:** It was resolved that the actions taken such as (i) Approval for an additional intake of student for the Post-Doctoral Certificate Course in Clinical Echocardiography, (ii) Modifications in the examination pattern of Paper II in First Year of Diploma in Dental Mechanics and (iii) Stop of admissions in M. Sc. (Bioinformatics) and increase in intake of M.Sc. (Biotechnology) from 30 to 45, be noted and approved.

**Item No. AC-18-17:** To consider recommendations made by the Faculty of Management at its meeting held on 7<sup>th</sup> July, 2017.

Item No. AC-18 (i)-17: Starting of Business Analytics as one of the specializations in MBA Programme from the Academic Year 2018-19.

**Resolution No. AC-18(i)-17:** After due deliberations on the curriculum of Business Analytics, it was resolved that the starting of Business Analytics as one of the specializations in MBA Programme, be approved from the Academic Year 2018-19.

The recommendations be forwarded to the Board of Management for its approval.

The curriculum of Business Analytics in addition to other core courses will be as follows:

Semester MBA- I		
Sr. No.	Subject Code	Name of the Subject
1.	C 108 x	Foundations of Analytics
Semester MBA – II		
Sr. No.	Subject Code	Name of the Subject
1.	C 208 x	Introduction to Business Analytics
Semester MBA – III		
1.	C 305 J	Marketing Analytics
2.	C 306 J	Financial Analytics
3.	C 307 J	HR Analytics
Semester MBA – IV		
1.	C 405 J	Cloud & Big Data
2.	C 406 J	Security & Master Data Management
3.	C 407 J	Internet of Things

**Detail curriculum of Business Analytics is enclosed as Annexure – I.**

**Item No. AC-18 (ii)-17: Starting of BBA course under the Faculty of Management.**

**Resolution No. AC-18 (ii)-17: After detail discussions on the curriculum of BBA course, it was resolved that the starting of BBA (Bachelor of Business Administration) course under the Faculty of Management with 120 intake, be approved from the Academic Year 2018-19. The recommendations be forwarded to the Board of Management for its consideration.**

**The details of the BBA (Bachelor of Business Administration) course are as follows:**

**Duration:** The Course shall be a full time course and the duration of the course shall be of **three years.**

**Eligibility :** A candidate for being eligible for admission to the Degree course in Bachelor of Business Administration shall have passed 12th Std. Examination (H.S.C. 10+2) with 45% aggregate marks from any stream with English as passing subject at 12th Std./ Two or Three years Diploma holders (After 10<sup>th</sup> Standard) with 45% aggregate marks.

**Available Specializations:**

1. Finance
2. Marketing
3. Human Resource Management
4. IT and Systems Management
5. Biotechnology and Bioinformatics Management
6. Pharmaceutical Management
7. Hospital and Healthcare Management
8. Agribusiness Management.

**Further it was resolved that, any specialization can be offered only if minimum 10 students register for the same.**

The course structure for BBA course is as follows:

### B.B.A. FIRST YEAR (F.Y.)

Sr. No. No	Semester I	Course code	Credits	Marks
1.	Principles and Practices of Management	(101)	4	100
2.	Business Communication	(102)	4	100
3.	Basics of Accounting	(103)	4	100
4.	Business Economics	(104)	4	100
5.	Business Mathematics	(105)	4	100
6.	Environmental awareness and Disaster Management	(106)	4	100

Sr. No	Semester II	Course code	Credits	Marks
1.	Business Organization & System	(201)	4	100
2.	Human Resource Management	(202)	4	100
3.	Basics of Marketing	(203)	4	100
4.	Basics of Finance	(204)	4	100
5.	Financial and Cost Accounting	(205)	4	100
6.	Introduction to Information Technology	(206)	4	100

### B.B.A Second Year (S.Y.)

Sr. No	Semester III	Course Code	Credits	Marks
1.	Management Information System	(301)	4	100
2.	Business Laws	(302)	4	100
3.	Organizational Behavior	(303)	4	100
4.	Management Accounting	(304)	4	100
5.	Managerial Economics	(305)	4	100
6.	IT Applications in Management	(306)	4	100

Sr. No	Semester IV	Course code	Credits	Marks
1.	Operations Management	(401)	4	100
2.	Industrial Relations & Labour laws	(402)	4	100
3.	Business Taxation	(403)	4	100
4.	International Business	(404)	4	100
5.	Entrepreneurship Development	(405)	4	100
6.	Business Statistics	(406)	4	100

### B.B.A Third Year (T.Y)

Sr. No	Semester V	Course code	Credits	Marks
1.	Supply Chain and logistics Management	(501)	4	100
2.	Business Ethics and Corporate Governance	(502)	4	100
3.	Research Methodology	(503)	4	100
4.	Elective —I	(504)	4	100
5.	Elective —II	(505)	4	100
6.	Project Management	(506)	4	100

Sr. No	Semester VI	Course code	Credits	Marks
1.	Event Management	(601)	4	100
2.	Management Control System	(602)	4	100
3.	E- Business	(603)	4	100
4.	Elective —III	(604)	4	100
5.	Elective — IV	(605)	4	100
6.	Project Work	(606)	4	100

Two Elective papers will be offered in V and VI Semester each as per specialization of the candidate.

**Project Work:**

Project shall carry 100 marks as follows -

Marks # Project work (Evaluation by external and internal examiner) - 50

Presentation and Open Defense by external and internal examiner - 50

The Course Structure and syllabus for BBA course is enclosed as Annexure – II.

Item No. AC-18-(iii)-17: Revision and digitization of the Self Learning Materials (SLM) prepared for the MBA distance learning program.

Resolution No. AC-18 (iii)-17: It was resolved that the revision and digitalization in the Self Learning Materials of the MBA Programme through distance mode to be implemented for the batches admitted from July 2017 onwards, be approved and recommended to the Board of Management for its approval.

- 68 SLM's have been prepared by the Institute of Distance Learning for the MBA distance learning program.
- 12 SLM's have already been revised, others are in progress.
- The course material is prepared as per the DEB norms.
- SLM has been made more interactive and interesting with the addition of graphics and updations.
- Digitization of Self Learning Materials is required as per the norms.
- SLM can be downloaded to a computer, PC, laptop, tablet, smart phone or any other kind of reading device.

**Details of Self Learning Material (SLM)**

SN	Semester	Name of SIM	Specialization	Name of Authors
1	I	Principles & Practices of Management	Common	Dr Manjusha Joshi
2	I	Management Accounting	Common	Pravin Tungar / Meghana Bhilare
3	I	Managerial Economics	Common	Mr Prem Gupta
4	I	Business Communication	Common	Dr.P P Bawale
5	I	Organisational Behaviour	Common	Vishwanath Joshi
6	I	Research Methodology	Common	Dr.Deepal Chawla Dr. Neena Sondhi
7	II	Human Resource Management	Common	Ms Manisha Purohit
8	II	Marketing Management	Common	Mr.M V Kulkarni
9	II	Financial Management	Common	Shantilal V Hajeri
10	II	Operations Management	Common	Mr Madhup Gandhi
11	II	Management Information Systems	Common	Vivek Marathe
12	II	Strategic Management & Business Policy	Common	Abhilash Nambudiri

**Item No. AC-18-(iv)-17: Addition of International Business Management as a Specialization to the MBA Distance learning.**

**Resolution No. AC-18-(iv)-17:** It was resolved that the addition of “**International Business Management**” as a **Specialization** in the **MBA programme through Distance learning mode** along with existing seven specializations to be implemented from January, 2018 onwards, be approved and forwarded to the Board of Management for its approval.

<b>Semester-I</b>	<b>Semester-II</b>
<b>Name of the Course</b>	<b>Name of the Course</b>
Principles & Practices of Management	Human Resource Management
Management Accounting	Marketing Management
Managerial Economics	Financial Management
Business Communication	Operations Management
Organizational Behaviour	Management Information System
Research Methodology	Strategic Management & Business Policy

<b>Semester-III</b>	<b>Semester-IV</b>
<b>Name of the Course</b>	<b>Name of the Course</b>
International trade, WTO & Trade Policy issues	Foreign Exchange Management
Business Laws and Regulations	Insurance and Risk Management
Financial institutions and Banking	Project
International Marketing	
International Finance Management	
Security Analysis and Portfolio Management	

**Item No. AC-18-(v)-17:** To Approve Program Project Report (PPR) for the distance learning MBA Programme under Institute of Distance Learning.

[As per UGC Regulations, the Director IDL has prepared a Program Project Report (PPR) of MBA (Distance Mode), which consists details of: About the University, About IDL, Appropriateness of Program, Program Development - Instructional Design, Overall Programme Structure, Programme Educational Outcome, Programme Delivery - Admissions Process, Curriculum Transaction & Evaluation Pattern, Assessment & Evaluation, Student Participation & Feedback, Best Practices at Institute of Distance Learning and Plans for Next 5 Years.]

**Resolution No. AC-18-(v)-17:** After detailed discussions it was resolved that **Program Project Report (PPR)** prepared for **MBA 2 Year programme through distance mode**, be approved and forwarded to the Board of Management for its approval. The detail of PPR is enclosed separately.

**Item No. AC-18-(vi)-17:** To discuss and approve Graduate Attributes, Programme Outcomes (POs), Course Outcomes (COs), outcome analysis of COs & POs and mapping of COs with POs for MBA and BBA Programmes.

**Resolution No. AC-18-(vi)-17:** After detailed discussions it was resolved that, the **Graduate Attributes, Programme Outcomes (POs), Course Outcomes (COs), outcome analysis of COs & POs and mapping of COs with POs for MBA and BBA Programme** be approved and forwarded to the Board of Management for its approval. The details are enclosed separately.

**Item No. AC-18-(vii)-17:** To approve interdisciplinary courses.

**Resolution No. AC-18-(vii)-17:** It was resolved that every student has to undertake interdisciplinary courses offered for their batch. Courses other than their core specialization will be considered as their interdisciplinary course. The interdisciplinary courses offered be approved and forwarded to the Board of Management for its approval. The list of interdisciplinary courses is enclosed separately.

**Item No. AC-18-(viii)-17:** To discuss and approve Certificate Course on Yoga and Meditation as value added course.

**Resolution No. AC-18-(viii)-17:** It was resolved that students will be provided Certificate Course on Yoga and Meditation of 20 hrs. value added course be approved and forwarded to the Board of Management for its approval. The details are enclosed separately.

**Item No. AC-19-17:** To consider the recommendations made by the Faculty of Allied Medical Sciences at its meeting held on 11<sup>th</sup> July, 2017.

**Item No. AC-19 (i)-17:** To consider examination reforms for I and II – MPT Programme.

**Resolution No. AC-19-(i)-17:** It was resolved that the following revised question paper pattern of part A and part B for MPT Programme be approved with an option giving at the LAQ. The recommendations be forwarded to the Board of Management for its consideration.

It was further resolved that the revised question paper pattern be implemented from the Academic Year 2017-18.

Existing Paper Pattern	Proposed Revised Paper Pattern
<b>Paper pattern of 80 marks is as follows:</b>	
<b>Part A</b>	<b>Part A</b>
➤ Essay 1 X 15 marks = 15 Marks	Q.1 Essay (1 X 15 Marks) = 15 Marks
➤ Short Answers (Any 3 out of 4) 3 X 5 Marks = 15 marks	Q.2 LAQ (Any 1 out of 2) 1 X 10 Marks = 10 marks
➤ Short Notes (Any 5 out of 6) 5 X 2 Marks = 10 marks	Q.3 Short Notes (Any 3 out of 4) 3 X 5 Marks = 15 Marks
<b>Part B</b>	<b>Part B</b>
➤ Essay 1 X 15 marks = 15 Marks	Q.1 Essay (1 X 15 Marks) = 15 Marks
➤ Short Answers (Any 3 out of 4) 3 X 5 Marks = 15 Marks	Q.2 LAQ (Any 1 out of 2) 1 X 10 Marks = 10 marks
➤ Short Notes (Any 5 out of 6) 5 X 2 Marks = 10 Marks	Q.3 Short Notes (Any 3 out of 4) 3 X 5 Marks = 15 Marks

**Item No. AC-19-(ii)-17:** To consider modifications with segregation of the syllabus contents of UG Programme.

**Resolution No. AC-19-(ii)-17:** After detailed discussions, it was resolved that the BPT syllabus modified with proper segregation of the contents of each subject under Must to know, Desirable to know and Nice to know heads, with a percentage distribution of 65-70 % for must to know, 20-25% under desirable to know and 10-15% under nice to know for evaluation purpose be approved and recommended to the Board of



Management for its approval. It was further resolved that this modifications should be applicable from the Academic Year 2017-18 onwards.

**BACHELOR OF PHYSIOTHERAPY (BPT)  
(Syllabus changes and update for 2017-18)**

Sem	Subject	Modifications	New Addition / update
Semester -I	Human Anatomy-I		<ul style="list-style-type: none"> <li>Bony landmarks of upper extremity, Head neck &amp; Thorax</li> <li>Palpation of peripheral arteries &amp; nerves</li> </ul>
	Electro Therapy- I		<ul style="list-style-type: none"> <li>Open equipment demonstration of various equipments</li> <li>Calibration techniques of equipments</li> </ul>
Semester -II	Human Anatomy-II		<ul style="list-style-type: none"> <li>Surface anatomy – Lower limb &amp; spine</li> </ul>
	Exercise Therapy- I		<ul style="list-style-type: none"> <li>Room based hydrotherapy – aquaciser</li> <li>Matsyndrasana</li> <li>Ardha Matsyndrasana</li> </ul>
Semester -III	Exercise Therapy-II	<p>Shifted to biomechanics subject</p> <p>Bio-physical properties of connective tissue, Elasticity /Plasticity – response to sudden/slow/sustained loading –Stress strain Curve, Creep, Hysteresis, joint classification and joint movements,</p>	<ul style="list-style-type: none"> <li>Assessment of tightness.</li> <li>Principal and technique of Stretching of contractile tissue. Indication contraindication,</li> <li>Training for different conditions (Paraplegia, Hemiparesis, Amputation, etc.)</li> <li>Training for different conditions (ataxia, parkinsonism, Stroke,)</li> <li>Breathing exercises</li> <li>Application for different conditions using different equipments</li> <li>Physiological adaptations to training</li> </ul>
	Pathology & Microbiology		<ul style="list-style-type: none"> <li>Hepatic diseases -Cirrhosis – emphasis to systemic effects of portal Hypertension.</li> <li>Deficiency disorders – Vitamins A,B,C,D.</li> <li>Growth Disturbance - Chemical, Occupational, heredity, viral.</li> </ul>
	Biomechanics		<p>Shifted from Exercise Therapy – II</p> <p>Bio-physical properties of connective tissue, Elasticity /Plasticity – response to sudden/slow/sustained loading –Stress strain Curve, Creep, Hysteresis, joint classification and joint movements,</p> <ul style="list-style-type: none"> <li>Effect of immobilization, injury &amp; aging on muscle.</li> <li>Kinetics &amp; Kinematics of various activities pulling, pushing, running, jogging</li> <li>pathomechanics of abnormal gait patterns</li> </ul>
	First Aid & Emergency care		<ul style="list-style-type: none"> <li>Transportation of the injured</li> <li>Snake Bite,</li> <li>Hypothermia and Hyperthermia</li> </ul>

Sem	Subject	Modifications	New Addition / update
	Electro Therapy- II		<ul style="list-style-type: none"> <li>• Functional electrical stimulation</li> <li>• Long wave diathermy</li> <li>• NEMS</li> <li>• Matrix Rhythm Therapy</li> </ul>
Semester V	Physical and Functional Diagnostics skills		<ul style="list-style-type: none"> <li>• Neuro-FIM, ASIA, BARTHEL INDEX, FUGEL MEYER, RLA, STREAM, MMSC, BOT, GMFS</li> <li>• Cardio-Shuttle walk /run test, ), COPD questionnaire, dyspnoea assessment</li> </ul>
Semester - VI	Research Methodology and Biostatistics		<ul style="list-style-type: none"> <li>• Statistical - Statistical packages</li> </ul>
	Physiotherapeutic Skills		<ul style="list-style-type: none"> <li>• Neuro Dynamics ( including Butler, Schaklock)</li> </ul>
Semester - VII	Physiotherapy in Community Based Rehabilitation		<ul style="list-style-type: none"> <li>• Common Problems in adolescents and management of Infertility</li> <li>• Yogasanas in specific health conditions – Diabetes, Preganacy, Hypertension</li> <li>• Nutrition and Diet for fitness</li> <li>• Role of NGO in Community Based Rehabilitation</li> </ul>
	Physiotherapy in Musculoskeletal sciences		<ul style="list-style-type: none"> <li>• SLAP lesion, GIRD, Reverse replacement,</li> <li>• Arthroscopic repairs of knee &amp; Management,</li> <li>• OA ankle</li> </ul>
	Choice based (Paediatrics/Manual Therapy)		<ul style="list-style-type: none"> <li>• Movement impairment syndrome, Combined movement therapy ( manual therapy )</li> </ul>
Semester - VIII	Physiotherapy in Neurosciences		<ul style="list-style-type: none"> <li>• Neuroplasticity</li> <li>• MRP, CIMT, MIRROR THERAPY,</li> <li>• Radio imaging of Brain &amp; spinal cord</li> </ul>
	Physiotherapy in Cardiorespiratory and General Conditions	Modified topics <ul style="list-style-type: none"> <li>• Drug Therapy</li> <li>• Patterns of Lung Disorders &amp; their PT Management</li> </ul>	<ul style="list-style-type: none"> <li>• Common Medicines used in Cardiorespiratory conditions and general condition.</li> <li>• Physiotherapy assessment and management of various obstructive and restrictive conditions of respiratory system</li> </ul>
	Choice based course (Sports Physiotherapy / Hand Conditions)		<ul style="list-style-type: none"> <li>• Prosthesis of upper extremity</li> </ul>

**Item No. AC-19-(iii)-17:** To discuss, confirm and approve the MPT IV semester dissertation evaluation format & Guidelines for Internal & external marks.

**Resolution No. AC-19-(iii)-17:** It was resolved that MPT IV semester dissertation evaluation format & Guidelines for Internal & external marks to be implemented from the Academic Year 2017-18 be approved and forwarded to the Physiotherapy College for further necessary action.

**MPT IV semester dissertation evaluation format & Guidelines for Internal & external marks are enclosed herewith as Annexure – III.**

**Item No. AC-19-(iv)-17:** To discuss, confirm and approve the MPT IV semester score sheet for practical examination.

**Resolution No. AC-19-(iv)-17:** It was resolved that the MPT IV semester score sheet for practical examination to be implemented from the Academic Year 2017-18 be approved and forwarded to the Physiotherapy College for implementation.

MPT IV semester score sheet for practical examination is enclosed herewith as Annexure – IV.

**Item No. AC-19-(v)-17:** To discuss, confirm and approve the MPT transcript.

**Resolution No. AC-19-(v)-17:** It was resolved that the MPT- transcript be approved and forwarded to the Physiotherapy College for implementation and further necessary action. It was further resolved that these MPT transcript be applicable for the 2015-17 batch of students.

MPT - transcript is enclosed herewith as Annexure – V.

**Item No. AC-19-(vi)-17:** To discuss, confirm and approve the BPT Internship Evaluation Format Score Sheet.

**Resolution No. AC-19-(vi)-17:** It was resolved that the BPT Internship Evaluation Format Score Sheet be approved and forwarded to the Physiotherapy College for implementation and further necessary action. It was further resolved that these MPT transcript be applicable for the 2015-17 batch of students. BPT Internship Evaluation Format Score Sheet is enclosed herewith as Annexure - VI

**Item No. AC-20-17:** To consider the recommendations made by the Faculty of Biotechnology & Bioinformatics at its meeting held on 18<sup>th</sup> July, 2017.

**Item No. AC-20-(i)-17:** To prepare structured list of practical's in the teaching programme of various semesters

**Resolution No. AC-20-17:** After detailed discussions, it was resolved that the structured list of practicals for the 16 subjects for the UG & PG Programmes to be implemented from the Academic Year 2017-18 be approved and recommended to the Board of Management for its approval. Revised structured list of practicals is as follows:

Sr. No.	SEM	Degree program	Subject code	Subject name	Credits
1	I	M.Sc. Biotechnology	MS103	Cell Biology (Practical)	2
2	I	M.Sc. Biotechnology	MS105	Bioanalytical techniques (Practical)	2
3	III	B. Tech Biotechnology and M. Tech (Int) Biotechnology	BS301	Analytical techniques (Practical)	2
4	III	B. Tech Biotechnology and M. Tech (Int) Biotechnology	BS302	Cell Biology (Practical)	1
5	III	B. Tech Biotechnology and M. Tech (Int) Biotechnology	BT302	Enzymology and Enzyme Technology (Practical)	2

Sr.	SEM	Degree program	Subject	Subject name	Credits
6	III	B. Tech Medical Biotechnology	MB301	Bioprocess Engineering (Practical)	2
7	V	B. Tech Biotechnology and M. Tech (Int) Biotechnology	BT504	Fermentation Technology (Practical)	2
8	V	B. Tech Medical Biotechnology	MB501	Cancer Biology (Practical)	1
9	V	B. Tech Medical Biotechnology	MB502	Tissue engineering and transplantation (Practical)	2
10	V	B. Tech Medical Biotechnology	MB504	Disease Biology (Practical)	2
11	V	B. Tech Medical Biotechnology	MB506	Genomics, Transcriptomics and Proteomics (Practical)	1
12	VI	B. Tech Biotechnology and M. Tech (Int) Biotechnology	BI606	Computer Networking (Practical)	2
13	VII	B. Tech Biotechnology and M. Tech (Int) Biotechnology	BT702	Nanobiotechnology and Biosensors (Practical)	2
14	VII	B. Tech Biotechnology and M. Tech (Int) Biotechnology	BT707	Metabolic Engineering (Practical)	2
15	VII	B. Tech Biotechnology and M. Tech (Int) Biotechnology	BT708	Marine Biotechnology (Practical)	2
16	VII	B. Tech Medical Biotechnology	MB702	Forensic Biotechnology (Practical)	2

Details are annexed as Annexure - VII.

Item No. AC-20-(ii)-17: To consider changes in theory syllabus of following subjects.

Resolution No. AC-20 (ii)-17: It was resolved that the changes in syllabus of following subjects to be implemented from the Academic Year 2017-18 be approved and recommended to the Board of Management for its approval.

Sr. No.	SEM	Degree Programme	Subject Code	Subjects Name	Credits
1	III	B. Tech Medical Biotechnology	MB301	Bioprocess Engineering (Theory)	3
2	VII	B. Tech Biotechnology and M. Tech (Int) Biotechnology	BT708	Marine Biotechnology (Theory)	3

Details are annexed as Annexure – VII.

Item No. AC-20-(iii)-17: To consider the internal assessment structure and guidelines.

Resolution No. AC-20 (iii)-17: It was resolved that the internal assessment structure and guidelines with certain modifications, be approved and recommended to the Board of Management for its approval. The same can be implemented from the Academic Year 2017-18. The approved internal assessment structure is as follows:

**Internal assessment for Theory:**

Sr. No.	Existing structure		New Proposed structure	
	Evaluation Scheme	Total Marks	Evaluation Scheme*	Total Marks
1	First Internal examination Duration: 45 min	15	First Internal examination <b>Duration: 60 min</b>	<b>20</b>
2	Second Internal Examination	15	Second Internal	<b>15</b>

	Duration: 45 min		Examination Duration: 60 min	
3	Tutorial and assignment	5	-	-
4	Attendance (above 80% attendance gets full marks)	5	Attendance	5
	<b>Total marks</b>	<b>40</b>	<b>Total marks</b>	<b>40</b>

\* The internal evaluation would be flexible based on MCQs, quiz, assignment, seminar, descriptive questions, etc.

***Internal assessment for internal practical examination***

Sr. No.	Existing structure		New Proposed structure		
	Evaluation Scheme	Total marks	Evaluation Scheme	Total marks	Total marks
1	Practical examination Duration: 30 min	10	Practical examination Duration: 60 min	20	10
2	Laboratory assignment	10	Journal Writing	10	05
3	Journal Writing	10	Attendance in practicals*	10	05
4	Attendance (above 80% attendance gets full marks)	10	-	-	-
	<b>Total marks</b>	<b>40</b>	<b>Total marks</b>	<b>40</b>	<b>20</b>

\*Total marks for practical attendance: 100 % - 5 marks, 95-99 % - 4 marks, 90-94 %-3 marks, 85-89 % -2 marks, 80-84 % - 1 mark, below 80 %-0 marks

Attendance Requirement: In general, the institute expects 100% attendance. A minimum of 80% attendance for theory and 100% for practical classes is essential for appearing at the university examination. It may be relaxed to 70% attendance in theory for health or other emergency situation at the discretion of a duly constituted disciplinary committee appointed by the Director.

***End semester practical examination***

Sr. No.	Existing structure			New Proposed structure		
	Evaluation	Marks for subjects with 60 marks for assessment	Marks for subjects with 30 marks for assessment	Evaluation	Marks for subjects with 60 marks for assessment	Marks for subjects with 30 marks for assessment
1	Practical: Major experiment	20	10	Practical: Major experiment	30	15
2	Practical: Minor experiment	10	5	Practical: Minor experiment	10	5
3	Practical: Spotting	10	5	Practical: Spotting	10	5
4	Viva	10	5	Viva	10	5
5	Journal	10	5	Journal*	Nil	Nil
	<b>Total</b>	<b>60</b>	<b>30</b>	<b>Total</b>	<b>60</b>	<b>30</b>

\*Journal assessment marks will be given in the internal assessment

Item No. AC-20-(iv)-17: To consider the total number of credits in various degree programmes

Resolution No. AC-20 (iv)-17: It was resolved that the proposed modifications in the total number of credits in B. Tech Biotechnology and M. Tech (Integrated) Biotechnology to be implemented from the Academic Year 2018-19 be approved and recommended to the Board of Management for its approval.

Total numbers of credits for B. Tech. Biotechnology are as follows:

Existing course structure for B. Tech Biotechnology (L T P Hr C)

S No	Semester I 25	Semester II 26	Semester III 27	Semester IV 26	Semester V 28	Semester VI 25	Semester VII 25	Semester VIII
1	BS 101 Physics (3 0 2 5 4)	BS 201 Physical Chemistry (3 1 0 4 4)	BS 301 Analytical Techniques (3 0 4 7 5)	BT401 Molecular Biol. I (3 0 4 7 5)	BT 501 Molecular Biology II (3 0 4 7 5)	BT601 Virology (3 1 0 4 4)	BT 701 Biomembranes & Molecular cell signaling (3 1 0 4 4)	R E S E
2	BS 102 Organic chemistry (3 0 4 7 5)	BS 202 Introduction to Biomolecules (3 0 4 7 5)	BS 302 Cell biology (3 0 2 5 4)	BT 402 Metabolism (3 1 0 4 4)	BT 502 Recombinant DNA Technology (3 1 0 4 4)	HU 601 Principles of Management & Entrepreneurial development (3 0 0 3 3)	BT 702 Nanobiotechnology and Biosensors (3 0 4 7 5)	A R C H P
3	BS 103 Mathematics (L T P Hr C 3 1 0 4 4)	BS 203 Biostatistics (L T P Hr C 3 1 0 4 4)	BS 303 Microbiology (L T P Hr C 3 0 4 7 5)	BT408 Animal tissue cultures & stem cells (3 0 2 5 4)	BT 302 Enzymology & Enzy. Technology (3 0 4 7 5)	HU 602 Biosafety, Bioethics & IPR (3 1 0 4 4)	HU 701 Quality control management in BT (3 1 0 4 4)	O J E
4	BT 101 Intro to Electronics & Instrumentation Engineering (3 0 2 5 4)	BT 201 Engineering Mechanics (3 0 2 5 4)	BT301 Plant Physiology (L T P Hr C 3 1 0 4 4)	BT 404 Plant tissue culture (L T P Hr C 3 0 2 5 4)	BT503 Basic Pharmacology & Toxicology (L T P Hr C 3 1 0 4 4)	BT 602 Genomics, Transcriptomics & Proteomics (L T P Hr C 3 1 2 6 5)	BT 703 Advances in Biotechnology (L T P Hr C 3 0 0 3 3)	C T 25 Cr
5	BI 101 Intro to Computers & Comp. Organization (3 0 4 7 5)	BI 201 C programming (3 0 4 7 5)	BS 304 Genetics (L T P Hr C 3 1 2 6 5)	BT 405 Immunology (L T P Hr C 3 0 2 5 4)	BT 504 Fermentation Technology (3 0 4 7 5)	BT 603 Biochemical Engineering. (3 0 4 7 5)	BT 704 Seminars in Biotechnology (3 1 0 4 4)	207
6	HU 101 Communication Skills (1 2 0 3 3)	BS 204 Environmental Sciences (3 0 2 5 4)	BS 305 Mammalian Physiology (3 1 0 4 4)	BI 301 Concepts in bioinformatics (3 0 4 7 5)	BT 506/ BT 507 Elective I (3 0 4 7 5)	BI 504/ BI 606/ BI 603 Elective II (3 0 2 5 4)	BT 707 / 708/ 709/710) Elective III (3 0 4 7 5)	

Elective I: BT 506 Food Biotechnology/ BT 507 Environmental Biotechnology

Elective II: BI 504 Operating System/ BI 603 Perl & Bioperl/ BI 606 Computer Networking

Elective III: BT 707 Metabolic Engineering/ BT 708 Marine Biotechnology/ BT 709 Agricultural Biotechnology/ BT 710 Biopharmaceuticals

*TR*

## Proposed Course Structure for B. Tech Biotechnology:

(L T P H C) (Lecture, tutorial, practical, contact hours, credits) 207 to 193

S No	Semester I 25 (23)	Semester II 26 (23)	Semester III 27 (23)	Semester IV 26 (25)	Semester V 28 (26)	Semester VI 25 (25)	Semester VII 25 (23)	S VIII
1	Physics (3 0 2 5 4) Physics (3 0 2 5 4)	Phy. Chemistry (3 1 0 4 4) Biochemistry (3 1 4 8 6)	Analytical Techniques (3 0 4 7 5)	Molecular Biol. I (3 0 4 7 5) Molecular Biology (3 1 4 8 6)	Mol. Biology II (3 0 4 7 5) Environmental Biotechnology (3 0 2 5 4)	Virology (3 1 0 4 4) Food Biotechnology (3 0 4 7 5)	Biomembranes & Molecular cell signaling (3 1 0 4 4) Elective I (3 0 4 7 5)	R E S E A R C H P R O J E C T (25)
2	Organic chemistry (3 0 4 7 5) Chemistry (3 0 4 7 5)	Introduction to Biomolecules (3 0 4 7 5) Cell Biology (3 0 2 5 4)	Cell biology (3 0 2 5 4) Concepts in Bioinformatics (3 0 4 7 5)	Metabolism (3 1 0 4 4) Developmental Biology (3 0 2 5 4)	Recombinant DNA Technology (3 0 4 7 5)	Principles of Management & Entrepreneurial dev. (3 0 0 3 3) Basic Pharmacol. & Toxicol. (3 1 0 4 4)	Nanobiotechnology and Biosensors (3 0 4 7 5) Elective II (3 0 4 7 5)	
3	Mathematics (3 1 0 4 4) Computers & C Programming (3 0 4 7 5)	Biostatistics (3 1 0 4 4) Basic Mathematics & Biostatistics (3 1 2 6 5)	Microbiology (3 0 4 7 5) Microbiology & Virology (3 1 4 8 6)	Animal tissue culture & stem cells (3 0 4 7 5)	Enzymology & Enzy. Technology (3 0 4 7 5)	Biosafety, Bioethics & IPR (3 1 0 4 4) Marine Biotechnol. (3 0 4 7 5)	Elective III (3 0 4 7 5)	
4	Intro to Electronics & Instrumentation Engineering (3 0 2 5 4)	Engineering Mechanics (3 0 2 5 4)	Plant Physiology (3 1 0 4 4) Biosafety & Bioethics (2 0 0 2 2)	Plant tissue cul-ture (3 0 2 5 4) Plant Biotechnology (3 1 4 8 6)	Basic Pharmacol. & Toxicol. (3 1 0 4 4) Molecular Modeling and drug designing (3 0 4 7 5)	Genomics, Transcriptomics & Proteomics (3 1 4 8 6)	Quality control management in BT (3 1 0 4 4) IPR, Entrepren. & Quality control Mgt (3 1 0 4 4)	
5	Intro to Computers & Comp. Org. (3 0 4 7 5) Disaster Mgt. (2 0 0 2 2)	C programming (3 0 4 7 5) Environmental Sciences (3 0 2 5 4)	Genetics (3 1 2 6 5)	Immunology (3 0 2 5 4)	Fermentation Technology (3 0 4 7 5) Biochemical Engg & Bioprocess Technol. (3 1 4 8 6)	Biochemical Engineering. (3 0 4 7 5) Nanobiotechnology and Biosensors (3 0 2 5 4)	Seminars in Biotechnology (3 1 0 4 4)	
6	Communication Skills (1 2 0 3 3)	No subject	Mammalian Physiology (3 1 0 4 4) No subject	Concepts in bioinformatics (3 0 4 7 5) No subject	Elective I (3 0 4 7 5) Personality & Skill Development (1 0 0 1 1)	Elective II (3 0 2 5 4) Process Economics (1 0 0 1 1)	Advances in Biotechnology (3 0 0 3 3) No subject	

Total numbers of credits for M. Tech. (Int.) Biotechnology are as follows:

Existing course structure for M. Tech (Integrated) Biotechnology

Sr. No	Semester I	Semester II	Semester III	Semester IV	Semester V	Semester VI	Semester VII	Semester VIII	Semester IX & X
1	BS 101 Physics (3 0 2 5 4)	BS 201 Physical Chemistry (3 1 0 4 4)	BS 301 Analytical Techniques (3 0 4 7 5)	BT 401 Molecular Biology I (3 0 4 7 5)	BT501 Molecular Biology- II (3 0 4 7 5)	BT 601 Virology (3 1 0 4 4)	BT 701 Biomembranes & Molecular Cell Signaling (3 1 0 4 4 )	BT 801 Protein modeling and Drug Designing (3 0 4 7 5)	R E S E A R C H P R O J E C T 50 Cr.
2	BS 102 Organic chemistry (3 0 4 7 5)	BS 202 Introduction to Biomolecules (3 0 4 7 5)	BS 302 Cell Biology (3 0 2 5 4)	BT 402 Metabolism (3 1 0 4 4)	BT 502 Recombinant DNA Technology (3 1 0 4 4)	HU 601 Principles of Management & Entrepreneurial Developments (3 0 0 3 3)	BT 705 Stem Cells ( 3 1 0 4 4)	BT 802 Proteomics (3 0 2 5 4)	
3	BS 103 Mathematics (L T P Hr C 3 1 0 4 4)	BS 203 Biostatistics (L T P Hr C 3 1 0 4 4)	BS 303 Microbiology ( 3 0 4 7 5)	BT403 Animal Tissue Culture (3 0 2 5 4)	BT 302 Enzymology & Enzyme Technology (3 0 4 7 5)	BI 605 Introduction to Molecular Modeling and Chemo informatics (3 0 4 7 5)	HU 701 Quality Control Management in Biotechnology (3 1 0 4 4)	BT 505 Biomedical Engineering (3 1 0 4 4)	
4	BT 101 Introduction to Electronics & Instrumentation Engineering (3 0 2 5 4)	BT 201 Engineering Mechanics (3 0 2 5 4)	BT301 Plant Physiology (3 1 0 4 4)	BT404 Plant Tissue Culture (3 0 2 5 4)	BT 503 Basic Pharmacology & Toxicology (3 1 0 4 4)	HU 602 Bio Safety, Bio Ethics & IPR (3 1 0 4 4)	BT 706 Transcriptomics (3 0 4 7 5)	BT 803 Nanobiotechnology (3 0 2 5 4)	
5	BI 101 Introduction to Computers & Computer Organization (3 0 4 7 5)	BI 201 C programming (3 0 4 7 5)	BS304 Genetics ( 3 1 2 6 5)	BT405 Immunology (3 0 2 5 4)	BT504 Fermentation Technology (3 0 4 7 5)	BT 604 Genomics (3 0 2 5 4)	BT 603 Biochemical Engineering (3 1 4 8 6)	BT 804 Seminars & Advances in Biotechnology (3 1 0 4 4)	
6	HU 101 Communication Skills (L T P Hr C 1 2 0 3 3)	BS 204 Environmental Sciences (L T P Hr C 3 0 2 5 4)	BS 305 Mammalian Physiology (L T P Hr C 3 1 0 4 4)	BI 301 Concepts in Bioinformatics (L T P Hr C 3 0 4 7 5)	BT 506 / BT507 Elective I (L T P Hr C 3 0 4 7 5)	BI 603/ BI 504/ BI 606 Elective-II (L T P Hr C 3 1 2 6 5)	BT 707/ BT 708/BT 709 Elective-III (L T P Hr C 3 0 4 7 5)	BT 805/ BT 710 Elective-IV (L T P Hr C 3 0 4 7 5)	

Elective I: BT 507Environmental Biotechnology/ BT 506Food Biotechnology ; Elective II: BI 504 Operating Systems/ BI 606 Computer Networking/ BI 603 Pearl & Biopearl, ;  
Electives III: BT 707Metabolic Engineering, BT 708 Marine Biotechnology; BT 709Agriculture Biotechnology ; Electives IV: BT 805Clinical Research,/ BT 710Biopharmaceuticals  
Bold : Proposed New Courses

Proposed Course Structure for M. Tech Biotechnology:

(L T P H C) (Lecture, tutorial, practical, contact hours, credits) 261 to 242

S N O	Semester I 25 (23)	Semester II 26 (23)	Semester III 27 (23)	Semester IV 26 (25)	Semester V 28 (26)	Semester VI 25 (24)	Semester VII 25 (24)	Semester VIII 26 (24)	S IX, X
1	Physics (3 0 2 5 4) Physics (3 0 2 5 4)	Phy. Chemistry (3 1 0 4 4) Biochemistry (3 1 4 8 6)	Analytical Techniques (3 0 4 7 5)	Molecular Biol. I (3 0 4 7 5) Molecular Biol-ogy (3 1 4 8 6)	Mol. Biology II (3 0 4 7 5) Environmental Biotechnology (3 0 2 5 4)	Virology (3 1 0 4 4) Food Biotechnology (3 0 4 7 5)	Molecular cell signaling (3 1 0 4 4)	Elective I (3 0 4 7 5)	R E S E A R C H P R O J E C T (50)
2	Organic chemistry (3 0 4 7 5) Chemistry (3 0 4 7 5)	Introduction to Biomolecules (3 0 4 7 5) Cell Biology (3 0 2 5 4)	Cell biology (3 0 2 5 4) Concepts in Bioinformatic s (3 0 4 7 5)	Metabolism (3 1 0 4 4) Developmenta l Biology (3 0 2 5 4)	Recombinant DNA Technology (3 0 4 7 5)	Principles of Management & Entrepreneurial dev. (3 0 0 3 3) Basic Pharmacol & Toxicol. (3 1 0 4 4)	Stem Cell Technology (3 1 0 4 4)	Elective II (3 0 4 7 5)	
3	Mathematics (3 1 0 4 4) Computers & C Programming (3 0 4 7 5)	Biostatistics (3 1 0 4 4) Basic Mathema tics & Biostatisti cs (3 1 2 6 5)	Microbiology (3 0 4 7 5) Microbiology & Virology (3 1 4 8 6)	Animal tissue culture (3 0 4 7 5)	Enzymology & Enzy. Technology (3 0 4 7 5)	Biosafety, Bioethics & IPR (3 1 0 4 4) Marine Biotechnol. (3 0 4 7 5)	Protein Modeling and drug designing (3 0 4 7 5)	Elective III (3 0 4 7 5)	



S N o	Semester I 25 (23)	Semester II 26 (23)	Semester III 27 (23)	Semester IV 26 (25)	Semester V 28 (26)	Semester VI 25 (24)	Semester VII 25 (24)	Semester VIII 26 (24)	S IX, X
4	Intro to Electronics & Instrumentation Engineering (3 0 2 5 4)	Engineering Mechanics (3 0 2 5 4)	Plant Physiology (3 1 0 4 4) Biosafety & Bioethics (2 0 0 2 2)	Plant tissue cul-ture (3 0 2 5 4) Plant Biotechnology (3 1 4 8 6)	Basic Pharmacol. & Toxicol. (3 1 0 4 4) Molecular Modeling &chemoinformatics (3 0 4 7 5)	Genomics, & Transcriptomics (3 0 4 7 5)	QC management in BT (31 04 4) IPR, Entrep & QC Mgt (3 1 0 4 4)	Elective IV (3 0 4 7 5)	
5	Intro to Compu- ters & Comp. Org. (3 0 4 7 5) Disaster Mgt. (2 0 0 2 2)	C programming (3 0 4 7 5) Environmenta l Sciences (3 0 2 5 4)	Genetics (3 1 2 6 5)	Immunology (3 0 2 5 4)	Fermentation Technology (3 0 4 7 5) Biochemical Engg & Bioprocess Technol. (3 1 4 8 6)	Biochemical Engineering. (3 0 4 7 5) Nanobiotechnolog y and Biosensors (3 0 2 5 4)	Seminars in Biotechnolog y (2 0 0 2 2)	Biomedical Engineering (3 1 0 4 4)	
6	Communication Skills (1 2 0 3 3)	No subject	Mammalian Physiology (3 1 0 4 4) No subject	Concepts in bioinformatics (3 0 4 7 5) No subject	Elective I (3 0 4 7 5) Personality & Skill Development (1 0 0 1 1)	Elective II (3 0 2 5 4) Process Economics (1 0 0 1 1)	Advances in Biotechnolog y (3 0 0 3 3) Proteomics (3 0 4 7 5)	No subject	

**Item No. AC-20-(v)-17:** To consider and approve Increase in intake of M.Sc. Biotechnology from 30 seats to 45 seats and to stop the admissions of M. Sc. (Bioinformatics) from the Academic Year 2017-18.

**Resolution No. AC-20-(v)-17:** It was resolved that increase in intake of M.Sc. Biotechnology from 30 seats to 45 seats be approved and stop the admissions of M.Sc. (Bioinformatics) from the Academic Year 2017-18. be approved and recommended to the Board of Management for its approval.

**Item No. AC-21-17:** To consider the recommendations made by the Faculty Nursing at its meeting held on 21<sup>st</sup> July, 2017

**Item No. AC-21(i)-17:** Revision in UG Nursing Syllabus and revised Scheme of Examination.

**Resolution No. AC-21(i)-17:** It was resolved that the certain Nursing procedures be modify and implement from the Academic Year 2017-18 considering the requirement of global perspective. The recommendations be forwarded to the Nursing College for implementation.

The modified procedures are as follows.

Subject	Name of the Procedure	Modification Suggested
Medical Surgical Nursing	ET Suctioning	Add steps related to closed Suctioning
	Vital Signs	Add steps related to digital thermometer
	IV Cannualtion	NABH Protocol
Mental Health Nursing	Mental Status Examination	Add mini-metal Status Examination.
	Insulin Coma Therapy	Can be excluded from Procedure book but theory will be taught.
	Narcoanalysis	
Child Health Nursing	Cord Care	Can be excluded from Procedure book.
	Baby Bath	Can be excluded from Procedure book.
	IV/IM/SC/ID Medication	Assessment of pain as per age group
Community Health Nursing	Bag Technique	Bag Technique can be modified as per procedure and related article.
	Urine analysis	Add recent modalities which can be used.

**Item No. AC-22-17:** To consider the recommendations made by the **Faculty Medicine**.

**Item No. AC-22(i)-17:** Changes in the curriculum of B. Optometry.

**Resolution No. AC-22(i)-17:** It was resolved that the inclusion of **Research Methodology & Biostatistics** as a subject in the 5<sup>th</sup> Semester of B. Optometry and **Medical Law & Ethics** as a subject in the 6<sup>th</sup> Semester of B. Optometry be approved. The members suggested to consult with the Department of Community Medicine and Department of F.M.T. for implementation of the same. The members also suggested that for internship, students be posted in the Department of Ophthalmology of Medical College. The above changes in the curriculum of B. Optometry be implemented for the batch admitted in 5<sup>th</sup> and 6<sup>th</sup> semester of B. Optometry from the Academic Year 2017-18 onwards. The recommendations be forwarded to the Board of Management for its approval.

The course plan and other details for the above subjects are as follows:

### **Inclusion of Research Methodology and Biostatistics in the 5<sup>th</sup> Semester of B. Optometry**

#### **RESEARCH METHODOLOGY AND BIOSTATISTICS**

**INSTRUCTOR IN-CHARGE:** Biostatistician / Epidemiologist or Higher optometry holder with experience in biostatistics and research methodology

**COURSE OBJECTIVES:** The objective of this module is to help the students understand the basic principles of research and methods applied to draw inferences from the research findings.

#### **COURSE PLAN (Total: 30 hours)**

##### **Research Methodology**

- |                                     |   |
|-------------------------------------|---|
| 1. Introduction to research methods | 2. Identifying research problem               |
| 3. Ethical issues in research       | 4. Research design                            |
| 5. Types of Data                    | 6. Research tools and Data collection methods |
| 7. Sampling methods                 | 8. Developing a research proposal             |

##### **Biostatistics**

1. Basics of Biostatistics
  - 1.1 Introduction of Biostatistics
  - 1.2 Measures of Morality
  - 1.3 Sampling
  - 1.4 Statistical significance
  - 1.5 Correlation
  - 1.6 Sample size determination.
  - 1.7 Statistics – Collection of Data - presentation including classification and diagrammatic representation –frequency distribution. Measures of central tendency; measures of dispersion.
  - 1.8 Theoretical distributions.
    - 1.8.1 Binomial
    - 1.8.2 Normal
    - 1.8.3 Sampling –necessity of methods and techniques.
    - 1.8.4 Chi. Square test (2 x 2)
2. Hospital Statistics
3. Use of computerized software for statistics

## Inclusion of Medical Law & Ethics in the 6<sup>th</sup> Semester of B. Optometry

### MEDICAL LAW AND ETHICS

Legal and ethical considerations are firmly believed to be an integral part of medical practice in planning patient care. Advances in medical sciences, growing sophistication of the modern society's legal framework, increasing awareness of human rights and changing moral principles of the community at large, now result in frequent occurrences of healthcare professionals being caught in dilemmas over aspects arising from daily practice.

Medical ethics has developed into a well based discipline which acts as a "bridge" between theoretical bioethics and the bedside. The goal is "to improve the quality of patient care by identifying, analyzing, and attempting to resolve the ethical problems that arise in practice". Doctors are bound by, not just moral obligations, but also by laws and official regulations that form the legal framework to regulate medical practice. Hence, it is now a universal consensus that legal and ethical considerations are inherent and inseparable parts of good medical practice across the whole spectrum.

#### COURSE PLAN (Total: 30 hours)

Few of the important and relevant topics that need to focus on are as follows:

1. Medical ethics - Definition - Goal - Scope b
2. Introduction to Code of conduct
3. Basic principles of medical ethics –Confidentiality
4. Malpractice and negligence - Rational and irrational drug therapy
5. Autonomy and informed consent - Right of patients
6. Care of the terminally ill- Euthanasia
7. Organ transplantation
8. Medico legal aspects of medical records –Medico legal case and type- Records and document related to MLC - ownership of medical records - Confidentiality Privilege communication - Release of medical information - Unauthorized disclosure - retention of medical records - other various aspects.
9. Professional Indemnity insurance policy
10. Development of standardized protocol to avoid near miss or sentinel events
11. Obtaining an informed consent.

**Item No. AC-22(ii)-17:** To include certain interdisciplinary topics with Radiology department in Anatomy subject of the first year MBBS curriculum.

**Resolution No. AC-22(ii)-17:** It was resolved that the introduction of Sectional Anatomy and Sonographic Anatomy, an Integrated approach towards Radiology and Imaging Sciences in first year in the Subject of Anatomy UG curriculum be approved with effect from the Academic Year 2017-18 and recommended to the Board of Management for its approval.

Topics Anatomy with radiology and Imaging in integrated teaching:

Sr. No	Topic	Faculty	Hours	Session
1.	Introduction to imaging modalities	Radiology	1	Theory
2.	Introduction to cross sectional anatomy	Anatomy	1	Theory
3.	Sectional anatomy of upper limb	Anatomy	1	Practical
4.	Sectional anatomy of lower limb	Anatomy	1	Practical
5.	Imaging of anatomy of extremities	Anatomy	1	Practical

Sr. No	Topic	Faculty	Hours	Session
6.	Sectional anatomy of thorax ,abdomen	Anatomy	1	Practical
7.	Imaging modalities of thorax and abdomen	Radiology	1	Theory
8.	Introduction to Sono anatomy	Radiology	1	Theory
9.	Sectional anatomy of Brain	Anatomy	1	Practical
10.	Sectional Anatomy of neck and face	Anatomy	1	Practical
11.	Normal USG anatomy of abdomen and pelvis	Radiology	1	Practical

All these hours will be adjusted in existing teaching hours after rescheduling of lectures and practical sessions.

**Item No. AC-22(iii)-17:** To include Lectures in Aviation and Space Physiology in Physiology subject of the first year MBBS curriculum.

**Resolution No. AC-22(iii)-17:** It was resolved that introduction of Lectures in Aviation and Space Physiology in first year in the Subject of Physiology UG curriculum to be implemented from the Academic Year 2017-18 be approved and recommended to the Board of Management for its approval.

**Item No. AC-22(iv)-17:** To approve the increase in intake of following Degree Programmes under the Faculty of Medicine.

**Resolution No. AC-22(iv)-17:** With reference to the approval letter received from the MCI, it was resolved that the increase in intake be permitted for following Degree Programme under the Faculty of Medicine from the Academic Year 2017-18, be approved and recommended to the Board of Management for its approval.

Sr. No.	Subject	Course	Increase in Seats	
			From	To
1	Neurosurgery	M.Ch.	01	03
2	Urology	M.Ch.	02	04
3	Nephrology	D.M.	02	03

**Item No. AC-22(v)-17:** To consider and approve issue of letter of consent for increase in intake of following Degree Programmes under the Faculty of Medicine.

**Resolution No. AC-22(v) -17:** After taking into consideration the adequate availability of infrastructure, experienced teaching faculty and OPD & IPD patients strength it was resolved that the letter of consent for increase in intake of following Degree Programmes from the Academic Year 2018-19 onwards for three years under the Faculty of Medicine, be approved and recommended to the Board of Management for its approval.

Sr. No.	Subject	Course	Increase in Seats	
			From	To
1	CardioVascular & thoracic Surgery	M.Ch.	02	04
2	Cardiology	D.M.	02	04

**Item No. AC-23-17:** To consider and approve the Regulations for **Doctor of Philosophy (Ph.D.) 2017** of the Vidyapeeth.

**Resolution No. AC-23-17:** After detail discussion it was resolved that the Regulations for **Doctor of Philosophy (Ph.D.) 2017** of the Vidyapeeth, be approved with certain modifications with effect from the Academic Year 2017-18. The recommendations of Academic Council be forwarded to the Board of Management for its approval.

The draft Regulations for the Degree of Doctor of Philosophy (Ph.D.) 2017 are enclosed as Annexure – VIII.

**Item No. AC-24-17:** To consider Academic Calendars of all Constituent Colleges / Institutes for the Academic Year 2017-18.

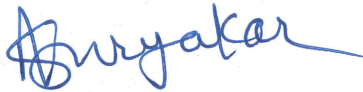
**Resolution No. AC-24-17:** It was resolved that the Academic Calendars of all Constituent Colleges / Institutes for the Academic Year 2017-18, be approved and forwarded to the respective Colleges / Institutes for implementation. The Academic Calendars are enclosed herewith as Annexure – IX.

**Item No. AC-25-17:** To consider courses to be offered under MOOCS (Massive Open Online Courses) and SWAYAM (Study Webs of Active-Learning for Young Aspiring Minds) for all constituent colleges / Institutes.

[A presentation on MOOCs and SWAYAM courses was made by the Director (Academic) and informed to the members to choose certain courses that can be likely to be offered in respective departments as value added courses].

**Resolution No. AC-25-17:** After detail discussions it was resolved that each faculty members should study the contents of MOOCS and SWAYAM Courses and find out certain courses that may be offered in their respective subject / department as value added courses. After choosing the subject, discuss it in departmental committee meetings, college council meetings and respective Board of Studies & Faculties' meetings.

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



**(Dr. A. N. Suryakar)**  
Registrar



**(P. N. Razdan)**  
Chairman

Place: Pune.

Date: 25 / 07 / 2017