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RAJIV GANDHI UNIVERSITY OF HEALTH SCIENCES, KARNATAKA, BENGALURU
4th T Block, Jayanagar, Bengaluru – 560 041

No. RGU/AUTH/122SYN/058/2016-17

Date. 01.07.2017

NOTIFICATION

Sub: Ordinance relating to Infrastructure & Faculty for Bachelor Degree Program in Physiotherapy (BPT), 2016.

Ref: 1) Notification No. AUTH/III & IV- BPT 4½-Syllabi-297/2008-09 dated 05.06.2008

2) Minutes of 122nd meeting of Syndicate held on 22.09.2016

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In exercise of the powers conferred under section 35(2) of the RGUHS Act 1994, the Syndicate in its meeting held on 22.09.2016 has resolved to approve the Ordinance relating to Infrastructure & Faculty for Bachelor Degree Program in Physiotherapy (BPT), 2016. The said Ordinance comes into effect from the academic year 2016-17 and onwards. (Ordinance published in the RGUHS website).

This Notification is in addition to the notification referred to at (1) above pertaining to syllabus and curriculum for the BPT course.

By Order,


REGISTRAR

To
The Principals of all Physiotherapy Colleges
affiliated to RGUHS

Copy to :-

1. The Secretary to Governor, Raj Bhavan, Bangalore
2. The Secretary to Government, Health and Family Welfare Department (Medical Education), Vikas Soudha, Dr. B.R.Ambedkar Veedi, Bangalore- 560 001
3. The Director of Medical Education, Ananda Rao Circle, Bangalore- 560 009
4. PA to Vice-Chancellor/Registrar/Registrar (Evaluation)
5. The Deputy Registrar, Admission/Affiliation
6. Guard File
7. Website Copy



**Ordinance relating to
Infrastructure & Faculty
for
Bachelor Degree Program in
Physiotherapy (BPT),
2016**



Annexure to RGUHS Notification No.RGU/AUTH/122SYN/058/2016-17
dated. 01.07.2017

Regulations Governing BPT Course

CHAPTER I

- 1. Title and Commencement:** This Ordinance shall be called as Ordinance relating to Infrastructure and Faculty for Bachelor Degree Program in Physiotherapy ('BPT') Ordinance, 2016

CHAPTER II

GENERAL REQUIREMENT

- 2. Minimum infrastructure:** Any institution imparting Bachelor Degree Program in Physiotherapy (BPT) shall have minimum standard infrastructure stipulated by the University specified in Schedules of this Ordinance.
- 3. Freehold or Leasehold Property:** Every Institution/ College providing education in Physiotherapy must have either on freehold or on long leasehold land, specified in Schedule I. Wherein adequate provision shall be made for academic buildings, hospital and OPD, library, e-learning, indoor and outdoor sports facilities, hostel for male and female students separately in its name or organization running it. Where the Institution/College/organization obtained land on lease the period of lease shall be not less than thirty years.
- 4. Academic Building:** Every Institution/College shall have academic building, specified in Schedule II, making provision for class room and also such other rooms for tutorial work, practical, e-learning, common room for male and female students and adequate library space for keeping books, periodicals, and journals.
- 5. General timing for conducting of courses in Academic Building:** Classes maybe conducted between 8 a.m. to 5 p.m. in the Institution ensuring that a minimum of six hours of teaching program is conducted every day. However, the Library may remain open till 10 p.m.
- 6. College Council:** Every College/Institution shall have a College Council comprising of faculty as members and Head of the College/Institution as Chairperson. The Council shall meet at least two times in a year to discuss academic matters and enforcement of discipline.
- 7. Library Building: (a)** There shall be adequate space in the library building for computer facility with access to internet and national and international journals and data bases. A minimum of 20 terminals to be provided for. The library shall have adequate reading space for self

study for at least 25% of the enrolled students. The library, in addition, shall have seating arrangements for 25% of the enrolled students.

(b) To start with, the Library shall have adequate number of text books, reference books in each subject taught during the period subject to a minimum of total of four hundred text books. There shall also be adequate number of national and international journals. New editions of text books be added to the library as and when they get released.

8. **Research work:** Every Institution/College shall make infrastructural and budgetary provision for the faculty and students to undertake research work.
9. **Community Physiotherapy Clinic:** Every Institution/College shall establish and run a Community Physiotherapy Clinic under the supervision of a Senior Faculty Member who may administer the Clinic.
10. **Playground and Gymnasium:** There shall be a playground and Gymnasium for the staff and students. The sports activities shall be promoted under the care and guidance of a qualified physical education instructor.
11. **Hostel for students:** Provision for residential accommodation separately for males and females students be made to an extent of 70% of the total students admitted by the College.
12. **Anti Ragging Measures:** Every Institution/College shall abide to the guidelines issued by the University in this regard.
13. **Maintenance of Records:** All Records of the Institution/College including financial, academic and other organizational records and the meeting proceedings shall be kept in safe custody by the Head of the Institution in the Office of the Institution and shall remain accessible to all authorities and Inspection teams.
14. **Whole time Principal:** Every Institution/College shall have a whole time Principal and he/she shall possess the qualification specified in Schedule V.
15. **Core Faculty:** Every Institution/College shall have sufficient number of full time faculty members, specified in Schedule V, at all point of time for running Bachelor Degree Program in Physiotherapy (BPT) who can be supported by part time or visiting faculty.
16. **Teaching days:** Every Institution/College shall have at least 240 full teaching days per year.
Explanation – “Teaching days” means actual lecture class, practical and clinical postings.
17. **Minimum weekly class program per subject (paper):** The pedagogical exercise shall be undertaken as prescribed in the Regulation governing Bachelor Degree Program in Physiotherapy, 2015.

18. **Salary scale:** The salary paid to the Principal and the faculty shall commensurate with the scale of pay recommended by the Government of Karnataka.

CHAPTER III
BACHELOR DEGREE PROGRAM IN PHYSIOTHERAPY (BPT)

19. **Intake to the Course:** (1) The fresh intake to the Bachelor Degree Program in Physiotherapy (BPT) to any Institution/College shall not exceed 40 seats.
(2) The University may increase the intake on the recommendation of the inspection Committee subject to maximum increase of 20 seats. Provided, the Institution/College makes application, seeking increase in intake, only after the successfully completion of four years stand.
(3) The total intake of the Institution/College shall not exceed 60 seats.
(4) The Institution/College seeking affiliation for starting of new college shall necessarily have its own hospital with a minimum of bed strength of 100 beds specified in schedule III.
(5) The Institution/College which is, affiliated to the University, offering Bachelor Degree Program in Physiotherapy (BPT) shall have its own hospital with a minimum of bed strength of 100 beds specified in schedule III within five years from the date of publication of this Ordinance.
20. **Clinical Facility:** Every Institution/College shall have provision for clinical facility, specified in Schedule III.
21. **Laboratories:** (a) Every Institution/College running Bachelor Degree Program in Physiotherapy shall have adequate laboratory facilities specified in Schedule IV.
(b) The standard of such laboratory, space, equipment, supplies, and other facilities shall be in consonance with Schedule IV.
22. **Practical Batch :**(a)The students shall carry out the practical learning under the guidance and supervision of a teacher.
(b) Every batch for practical learning shall consist of not more than twenty students.
(c) e - learning shall be part and parcel of the Bachelor Degree Program in Physiotherapy(BPT).
23. **Clinical Section:** The clinical section of Bachelor Degree Program in Physiotherapy shall comprise of -
(a) Department of Musculo-Skeletal and Sports Physiotherapy
(b) Department of Neuro-Physiotherapy.
(c) Department of Cardio-Respiratory Physiotherapy.
(d) Department of Community Physiotherapy. (Community based rehabilitation, Women's Health, Geriatrics, Industrial Health-Ergonomics)

1.a)	Schedule I(Regulation 3, Ordinance, 2016) Land: <u>Urban / Corporation / CMC/ Rural / Panchayat:</u> The Institute shall have One Acre of land owned or perpetual lease for 30 years and shall have college building and outpatient department to start the College of Physiotherapy. This may be in 2-3 pieces. In an event of more than one piece, the two pieces will be within 10 km distance from the main college building complex. The same applies for the distance for the clinical tie-up facility. The proposed area should be adequate for the building and running own rehabilitation hospital as well. <i>The clinical tie-up in rural / panchayat may be within 15 kms from the main college building.</i>
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Schedule II(Regulation 4,Ordinance, 2016) Academic Building:

Built up area. To run a four and half year degree course in Physiotherapy, the needs are:

- i. Classrooms – 4
- ii. Laboratory – 5 (Anatomy - 1, Physiology – 1, Physiotherapy – 3)
- iii. OPD Unit
- iv. Staff room
- v. Main Office
- vi. Principals chamber
- vii. Common room separate for boys and girls
- viii. Examination Hall / Recreation room
- ix. Library
- x. Audiovisual room
- xi. Clinical facility

Classroom dimensions: The calculation for area marked for the size of each classroom is done as 20 sq. ft / student so for an intake of 40 a minimum size is 800 sq. ft for each classroom. Additional space for increased intake to be calculated as 10 sq. ft / student. Classroom to be fitted with Audiovisual facilities.

Staff room: The area shall be 600 sq. ft .

Main Office Space: A minimum of 400 sq. ft

Principal/HOD room: a minimum of 200 sq. ft

Common room: Boys – 200 sq. ft, girls 200 sq. ft .Wash room facility shall be available in the common rooms.

Examination hall: Minimum of 1500 sq. ft

The College can apply for recognition as Centre for Examination Only after the first batch of BPT reaches Final Year.

Library room : Minimum of 2000 sq ft .The institutions which are imparting other health science courses in addition to Physiotherapy college, may have a single central library. However, a separate section for staff and PG of Physiotherapy department in the same area should be earmarked. Further in such instances Physiotherapy Institutions shall have its own departmental library with a floor area of 400 sq ft. A full fledged Physiotherapy college which is in existence for 5 years shall have the following

Total books at least 1000 books.

Core Subject – 600 – 700 books.

Allied subjects – 300 books.

Journals – 2 International Journals to be provided for.

Audiovisual room: a provision for audiovisual facilities is a must.

Schedule III(Regulation 19 & 20, Ordinance, 2016)**Clinical Departments in the Hospital.****Requirement of Beds**

The number of beds required for -

(a) 40 admissions annually should be 150

(b) 60 admissions annually should be 200.

They may be distributed for the purposes of clinical teaching as under, namely: -

(i) MEDICINE AND ALLIED SPECILITIES:-

Number of beds and units required Beds

Particulars	40 seats	60 seats
General Medicine, Tuberculosis and Respiratory Diseases	30	40
Neurology	15	20
Pediatrics	15	20
Psychiatry and Dermatology(and/or)	10	15
MICU and CCU	05	05

(ii) SURGERY AND ALLIED SPECIALITIES:

Number of beds and units required Beds

Particulars	40 seats	60 seats
General surgery and CTS	20	30
Department of Orthopedics	20	30
Department of Ophthalmology, ENT	10	10
Burns and Plastic Surgery	05	05
OBG	10	10
Neurosurgery	05	10
ICU	05	05

(iii) OPD - in campus requirement

Minimum number of outpatient flow shall be 20 per day in the College campus. This is in addition to the OPD at the attached hospital of the college.

Schedule IV(Regulation 25, Ordinance, 2016)**Laboratory dimensions:**

- a) **Anatomy:** minimum 800 sq. ft to fit 2 long tables for dissection and histology, practical mannequins and articulated skeleton. For every additional intake of 10 seats, an extra table and cadavers to be provided. In institutions where there are no facilities for human cadaver dissection, such institutions shall enter into an MOU with near by medical college so as to give practical training in Anatomy. Having an Anatomy museum is desirable feature
- b) **Physiology:** Minimum 800 sq. ft and 20 microscopes .
- c) **Physiotherapy Labs:**
- i. Biomechanics / (Research Lab)
 - ii. Electro therapy Lab
 - iii. Exercise Therapy Lab

Each lab shall have a minimum area of 800 sq. ft comprising of 5 treatment tables.

OPD Unit: mandatory 2000 sq. ft to accommodate exercise and electro therapy units and make provision for mat area and a consultation room. An outpatient department at the tie up facility cannot be considered as an independent OPD Unit of the college. Staff Room of 200 Sq. ft. to be provided for staff in OPD unit.

Laboratory requirement phase-wise

The **Anatomy Laboratory** must have the necessary equipment as prescribed by the syllabus – cadaver tanks, long tables for dissection and histology practical, mannequins and articulated skeleton. *(Required for fresh affiliation / I year BPT)*

The **Physiology Laboratory** must have the necessary equipment as prescribed by the syllabus. *(Required for fresh affiliation / I year BPT)*

Physiotherapy Labs

- i. **Biomechanics / (Research Lab)** *(Required for fresh affiliation / I year BPT)*
- ii. **Exercise Therapy Lab** *(Required for continuation of affiliation / II year BPT)*
- iii. **Electrotherapy Lab** *(Required for continuation of affiliation / II year BPT)*

The Physiotherapy Labs must have the necessary equipment as prescribed by the syllabus.

Biomechanics Lab area and Exercise Therapy Lab area should be preferably with wooden flooring, built in storage space & cubicles, each equipped with an examination couch having head & foot raise

facility & adequate wedges, pillows & bolsters.

Electrotherapy Lab area should be with a provision of a central voltage stabilizer and cubicles, each installed with wooden couch, mains three point switch of 5 & 15 amp, and electric call bell.

1.d) Equipment

Practical Lab Equipment required for BPT I Year

Lab	Sl. No	Equipment Requirement	Required
Anatomy	1	Mannequin	1
	2	Articulated Skeleton	1
	3	Cadavers	2
	4	Soft Parts	All
	5	Histology Slides	50
	6	Microscopes	20
	7.	Couches	2

Lab	Sl. No	Equipment Requirement	Required
Physiology	1	Microscopes	20
	2	Stethoscope	1
	3	BP Apparatus	20
	4	Neurological Testing Unit	1
	5	All other facilities required for practical as per the syllabus	
	6	Couches	3

Lab	Sl. No	Equipment Requirement	Required
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Biomechanics	1	Articulated Skeleton	1
	2	Major Joint Models	All
	3	Joint and Muscle Charts	As available.
	4	Goniometers – different types	4
	5	Couches	5

Practical Lab Equipment required for BPT II Year

Lab	Sl. No	Equipment Requirement	Required
Exercise Therapy	1	Parallel Bar	1
	2	Wall Bar	1
	3	Suspension Unit	2
	4	Ergo Cycle	1
	5	BP apparatus	4
	6	Large full size mirror	2
	7	Traction unit for cervical and lumbar regions	1
	8	Weights and sand bags	All sizes
	9	Pulleys	All sizes
	10	Dumb bells	All sizes
	11	Floor Mats / Exercise Mats	10
	12	Walker – different sizes	3
	13	Axillary & Elbow crutch pairs – different sizes, measuring tapes	3
	14	Canes – different types / tripods	3
	15	Tilt table unit	1
	16	Goniometers – different types	4

	17	Whirlpool unit	1
	18	Vestibular Ball	4 sizes
	19	Quadriceps table	1
	20	Equilibrium board unit	1
	21	Stair Case	1
	22	Treadmill	1
	23	Stepper	1
	24	Shoulder wheel	1
	25	Couches	5

Lab	Sl. No	Equipment Requirement	Required
Electrotherapy	1	Hot pack unit	1
	2	Cold pack unit	1
	3	Wax bath unit	1
	4	SWD	2
	5	Ultrasound	3
	6	Stimulator	6
	7	Ultraviolet lamp	1
	8	Infrared lamp	1
	9	MWD	1
	10	IFT unit	3
	11	Laser	1
	12	TENS	2
	13	Couches	5

Other equipment that will be required are

	<ul style="list-style-type: none">✓ Medical Examination Kit which will include – stethoscope, tuning fork, reflex hammer, tongue depressor, torch, two-point discriminator, measuring tape etc.✓ Questionnaires and scales etc.✓ Incentive Spirometers, Nebulisers, Humidifiers etc.
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Schedule V(Regulation 14 & 15,Ordinance, 2016)**Faculty – Staff Position****TEACHING STAFF for BPT****Faculty in Physiotherapy – 40 intake or less.**

Each department will have at least 2 staff members identified.

Staff Position:

Professor	2
Associate professor	3
Assistant Professor	3
Lecturer	4
Total	12

Cadre and qualification

Principal/HOD: Principal - A person with an experience of 1 years in the post of Professor along with total teaching experience of 10 years after completion of MPT degree from a recognized Physiotherapy College is eligible.

In case of the said course being a Wing of the Medical College, The Principal and Dean of the said Medical College will be the Principal for the Physiotherapy Course.

Professor - A candidate who possess Master's Degree in Physiotherapy from a recognized University and having a minimum of nine years of teaching and research experience in university/college, out of which three years shall be as Associate Professor. Experience in Administration is desirable.

Total of 4 research publications is mandatory, out of which a minimum of 2 research publications as first/second author in the capacity of Associate Professor and 2 research publications as first/second author in the capacity of Assistant Professor.

Associate Professor - A candidate who possess Master's Degree in Physiotherapy from a recognized University and having a minimum of six years of total experience of teaching and research in an academic position, with a minimum of 3 years at the level of Assistant Professor in a University, College and a minimum of 2 research publications as first/second author.

Assistant Professor - A candidate who possess Master's Degree in Physiotherapy with a total of 3 years full time experience in the post of a Lecturer from a recognized University. In the absence of eligible

candidates, persons working in hospitals with MPT qualifications for 4 years and having 2 research publications can also be considered for this post.

Lecturer-A candidate who possess Master's Degree in Physiotherapy from any recognized University established by law.

Requirement of Twelve faculty members – Phase-wise.

- For starting of new course UG – BPT, total of three faculty members should be appointed before submission of application for affiliation (One Principal, One Assistant professor, One Lecturer) In addition to the above consent letter from each faculty in the subject of Anatomy, Physiology Biochemistry and nursing faculty should be taken for teaching in the mentioned subjects.
- For continuation of affiliation to II year BPT, another three faculty members should be appointed adding to the above three before submission of application for affiliation (One Associate Professor, One Assistant professor, One Lecturer)
- For continuation of affiliation to III year BPT, another three faculty members should be appointed adding to the above six before submission of application for affiliation (One Professor, One Associate Professor, One Lecturer.)
- For continuation of affiliation to IV year BPT, another three faculty members should be appointed adding to the above nine before submission of application for affiliation (One Associate, One Assistant Professor and one Lecturer).

For every additional 10 seats an increase of 1 staff at the level of Assistant Professor is a must.

Part – time Teachers:

The college shall appoint part time teachers, as prescribed hereunder

- For starting of new course UG – BPT – Anatomy, Physiology, Biochemistry, Psychology, Sociology, Constitution of India, English, Kannada, Basic Nursing.
- For continuation of affiliation to II year BPT – Pathology, Microbiology, Pharmacology
- For continuation of affiliation to III year BPT – General Medicine, General Surgery, Orthopaedics, Psychiatry, OBG, ENT, Pediatrics
- For continuation of affiliation to IV year BPT – Neurology, Neurosurgery, Community Medicine, Research Methodology & Biostatistics

A photo-declaration is to be given by the part time teachers indicating that they are working at the said institution.

NON TEACHING STAFF

Ministerial Staff

Total requirement – Three

- a) Officer Superintendent – 1
- b) Clerical staff – 2

Library

- a) **Librarian – One** (MLISc or Equivalent)
- b) Library Attender – One (A pass in HSC or PUC)

Menial Staff:

- a) Attenders – 2
- b) Lab attenders – 2
- c) Sweepers – 1
- d) Driver – 2