



RAJIV GANDHI UNIVERSITY OF HEALTH SCIENCE, KARNATAKA

4<sup>TH</sup> 'T' Block, Jayanagar, Bangalore – 560 041.

**SCRUTINY COMMITTEE REPORT (FRESH COLLEGE)**

Name of the Proposed college: .....

Courses Applied .....

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Sl. No.	Particulars	Existing Guidelines as per GOK/ RGUHS	Details furnished by the College	Whether the college has fulfilled the requirement
1.	Name of the Trust / Society	Trust / Society should be registered		
2.	Date of Registration			
3.	Minimum age of the Trust / Society	Minimum 3 years		
4.	Audit Statement of the Trust / Society	Past 03 year		
5.	Clinical facilities a) Hospital/Clinical Diagnostic facility NABL/NABH accredited or Government hospital /Lab	➤ Managed and controlled by a member of the Trust		
		➤ The owner of the Hospital/Lab is a member of the Trust		
	b) Patient Work load	➤ Pollution control board certificate for 200 samples		
		➤ 200 samples per day / 30 patients per day		
		➤ Space for Teaching program		
	c) Distance between Hospital & College d) Clinical Research Organization	➤ Minimum 20 kilometre radius in city limits		
		➤ Minimum 30 kilometre radius in rural areas.		
6.	Building (Own)	Owner of the building		
		➤ Details of property (Property No & Building Photos)		
		➤ Total sqft 23,720 Sqft		
		➤ Building plan approved by the competent authority		
		➤ Up to date tax paid receipt		

		➤	RTC of land		
		➤	Any court case pending against the property		
7.	<b>Building (Rent / Lease)</b>	➤	Not allowed		
	<b>Infrastructure</b>				
	a) Teaching Block	➤	Minimum 23,720 sqft		
	b) Class Room	➤	2 Rooms (Each not less than 600 sq.ft)		
8.	c) Laboratories	➤	Minimum 03 (800 sqft Each) subjective to course Biochemistry, Clinical Pharmacology, Molecular Biology		
	d) Library Books	➤	25 books in each subject		
	e) Hostel facilities for students	➤	Separate Hostel for Boys and Girls with separate wardens		
	f) Seminar/CME /Work shop Hall	➤	Minimum One		
	g) Computer & IT Laboratory	➤	20 Computers with Server enabled systems		
9.	<b>Staff details</b>	➤	Table enclosed		
10.	<b>Principal</b>	➤	01		
11.	<b>Teaching staff</b>	➤	Table enclosed		
12.	<b>Non Teaching staff &amp; others</b>	➤	03		
13.	<b>Vehicle Details</b>	➤	Bus		
14.	<b>Sports &amp; Recreation Facilities</b>	➤	Out door Facility & Indoor Facility		
15.	<b>Lab Equipments</b>	➤	<b>Annexure I</b>		
16.	<b>Opinion of the of the Scrutiny Committee for LIC inspection</b>	➤			

**Minimum faculty requirements for seats sanctioned**

Subject	For 10 seats intake	For 20 Seats intake	For 40 seats intake
Ph.D / MD Medicine / Pathology / Biochemistry / /Pharmacology	01	01	01
M.Sc Biostatistics or Ph.D in Biostatistics – Associate Professor	01	01	01
Lecturer / Asst. Prof / Asso, Prof – Pharma Background	01	01	02
Lectures/Assistant Prof / Asso, Prof – M.Sc., Clinical Research	01	02	03
Lectures/Assistant Prof / Asso. Prof – Molecular Biology	01	02	02

**ASSISTANT REGISTRAR  
DEPUTY REGISTRAR**

**Functional equipments :**

Sl.No	Annexure I	
I. Clinical Pharmacology		Required Yes / No
1	Animal House Facility	Desirable
2	HPLC Equipment with PDA Detector	
3	pH Meter	
4	Magnetic Stirrer	
5	Vacuum Pump	
6	Kymograph (Drum)	
7	Thin Layer Chromatography setup	
8	Auto pipettes Set	
9	Organ Bath	
10	Legendroff System	
11	Fluorescence Micro plate Reader	
12	Solvent Filtration Unit	
13	Rabbit handling Instrument	
14	Autoclave	
<b>II. Biochemistry</b>		

15	Spectrophotometer		
16	Spectrofluorometer		
17	Table Top Cold Centrifuge		
18	Water Bath With Shaker		
19	Ultra Sonicator		
20	Hot Air Oven		
21	37 <sup>0</sup> C Incubator		
22	Refrigerators		
23	Electronic weighing Machine (0.1mg sensitivity)		
24	Tissue Homogenizer		
25	80 <sup>0</sup> C Deep Freezer		
<b>III. Bioinformatics/Molecular Biology:</b>			
26	Laminar Air Flow		
27	CO <sub>2</sub> Incubator		
28	Water Bath with Shaker		
29	Cell Homoziniser		
30	PCR Equipment		
31	Agar Gel / SDS PAGE Electrophoresis Unit		
32	UV transilluminator		
33	Contrast Microscopes		
34	Liquid Nitrogen tank		
35	Microtome Instrument		
36	Inverted phase Contrast Microscope with Fluorescence attachment		
37	Bacteriological Fermenter		
<b>IV Clinical Data Management and Data Analysis</b>			
38	Open Clinica Software		
39	SPSS Software		
40	20 Computers		
41	SAS Analysis Software		

42	10 KV UPS Facility		
43	Rosmol , Tiger, Perl softwares		
44	MedDRA, COSTART, WHODRL Coding dictionaries		

**ASSISTANT REGISTRAR**

**DEPUTY REGISTRAR**

## **Clinical Research**

### **1. Title of the Courses**

Master in Clinical Research:

### **2. Duration of the Course**

The duration of the course shall be on full time basis for a period of two years (4 Semesters) from the commencement of the academic term.

### **3. Eligibility for Admission**

Candidates who have passed and secured a Bachelor's degree in Allied Health Science Subjects, Physiotherapy, Nursing, Pharmaceutical Sciences, Medicine, Dentistry, Homeopathy, Naturopathy, Unani and Ayurveda or a degree in life sciences with Chemistry or Biochemistry or Organic Chemistry being one of the main subjects along with other two subjects from the following options viz: Botany, Zoology, Microbiology, Biotechnology, Genetics, Food Technology and Environmental Biology. Or from other universities considered equivalent by RGUHS.

### **4. Selection Criteria**

Selection shall be based on merit in the qualifying examination. The candidate has to choose the elective subject of his /her choice after successful completion of two semesters. No change of branch will be permitted once he /she get admitted.

### **5. Eligibility certificate**

No candidate shall be admitted for the postgraduate degree course unless the candidate has obtained and produced the eligibility certificate issued by the university. The candidate has to make the application to the university with the following documents along with the prescribed fee.

- Pass / degree certificate issued by the university

- Marks cards of all the university examinations passed.
- Migration certificate.
- Certificate of conduct.
- Proof of SC/ST or category-I as the case may be.
- Aadhar Card Number

Candidates should obtain the eligibility certificate before the last date for admission as notified by the university.

A candidate who has been admitted to post-graduate course should register his/her name in the university within a month of admission after paying the registration fee.

#### **6. Medium of instruction**

English shall be the medium of instruction for the subjects of study as well as for the Examination.

#### **7. Course of study**

The course shall be pursued on full time basis. There are two optional in M.Sc Clinical Research course. However, both study and examination for main and subsidiary subjects in first year (Two semesters) shall be common to students coming from life science background. In the second year the student shall study subject of his/ her chosen branch. Students shall be posted to RGUHS approved hospitals or clinical laboratories during the practical hours.

#### **8. Infrastructure:**

- Three Labs each with an area of 800 Sq. ft
- Three Class rooms each with a capacity for 25 students.( 800 Sq. ft. each)
- Lab equipment's for Basic Medical Sciences as per the criteria mentioned in Basic Medical Sciences requirements.
- Board ( Black or White) - Mandatory
- Multimedia / Computer and its accessories / LCD Projector- Mandatory

#### **9. Qualification and experience required for an appointment of teachers on fulltime basis for Clinical Research Courses**

<b>Sl.No.</b>	<b>Name of the Post</b>	<b>Desirable Qualification</b>
1	Pharmaceutical Sciences	M.Sc. in Pharmaceutical Sciences, M.Pharma or MD in Pharmacology or Ph.D. in concerned subject.
2	Biostatistics	M.Sc., in Biostatistics / M.Sc., in Statistics or Ph.D. in concerned subject.
3	Molecular Biology	M. Sc. In Biochemistry/Biotechnology/ Microbiology or M.Sc. MLT in Microbiology & Immunology with 3-5 years of teaching experience in Bioinformatics.
4	Physiology	M. Sc. Human Physiology or MD in Physiology or Ph.D. in concerned subject.
5	Biochemistry	M.Sc.in Medical Biochemistry or M.Sc. MLT in Clinical Chemistry or MD in Biochemistry.
6	Pathology	DCP or MD in Pathology or M.Sc. MLT in Hematology & Transfusion Medicine or Ph.D. in concerned subject.
7	General Medicine	MD General Medicine/Internal Medicine.
8	Genetics	M.Sc. Genetics or Ph.D. in concerned subject.
9	Bioinformatics	M.Sc. in Bioinformatics or M.Sc. Biotechnology/Biochemistry / Microbiology / MLT-Clinical Biochemistry/MLT- Microbiology & Immunology / MLT-Hematology & Transfusion Medicine with an Diploma in Bioinformatics or equivalent certificate awarded by a State or Central University or considered as equivalent by RGUHS.
10	Statistical Analytics	B.E. Computers/Information Technology or MCA with certificate program in Statistical Analysis and Programing or equivalent.
11	Epidemiology	M.Sc. Epidemiology or Masters in Public Health or MD Community Medicine or Ph.D. in Concerned subject.



## 10. Teaching Staff:

### a. Principal / Professor & HOD,

- i. M.Sc., Clinical Research or M.Sc. Biochemistry (Medical) or M.Sc. Microbiology (Medical) or M.Sc. Human Physiology (Medical) or M.Pharm or M.Sc. Pharmaceutical Sciences or MD Biochemistry / Microbiology / Pathology /Physiology / Molecular Biology/ Pharmacology or M.Sc. MLT Clinical Chemistry / Microbiology & Immunology / Hematology & Transfusion Medicine or M.Sc. Biostatistics with minimum 9 years' experience in a teaching / research institution and the candidate should have secured a Ph.D. in the concerned area of his/her subject expertise.
- ii. The candidate should have published a minimum *of 5 research papers* in national or international publication as an author or co-author in the area of his /her subject expertise.
- iii. The candidate should have had a diploma or certificate for having trained in field of Clinical Research.

### b. Associate Professor:

- i. M.Sc. Medical (Stream) with 6 years teaching experience  
MD, Faculty of Medicine stream - 5 years teaching experience

### c. Assistant Professor:

- i. M.Sc. Medical (03 years course) with 3 years teaching experience
- ii. M..Sc. Non Clinical (02 years course) - minimum 4 years teaching experience
- iii. M. D.( Faculty of Medicine } Fresh candidate

### d. Lecturer

- i. M.Sc. in Medical stream (03 years course) - Freshers
- ii. M.Sc. Clinical Research (02 years course) - Freshers