



RAJIV GANDHI UNIVERSITY OF HEALTH SCIENCE, KARNATAKA
4TH 'T' Block, Jayanagar, Bangalore – 560 041.

SCRUTINY COMMITTEE REPORT (FRESH COLLEGE)
BACHELOR IN PROSTHETICS AND ORTHOTICS (BPO)

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 Rehabilitation centre/Institution/ Hospital/Medical college Should be accredited by Rehabilitation council of India, New Delhi	➤ BPO course shall be offered by the institution which has prosthetics and Orthotics independent department with equipped lab and shall not be offered by any other department of the college/hospital. The prior approval of Rehabilitation Council of India, New Delhi is required to initiate BPO course.		
6.	Civic facilities	➤ Drinking water Common Room / Students lounge Boys and Girls Toilets Accessibility features in building-		

			ramps, railings, lift etc		
7.	Building(OWN)	➤	Owner of the building		
		➤	Details of property (Property No & Building Photos)		
		➤	Total sqft 10,763 Sqft (1000 square meters)		
		➤	Building plan approved by the competent authority		
		➤	Up to date tax paid receipt		
		➤	RTC of land		
		➤	Any court case pending against the property		
8.	Building (Rent / Lease)	➤	Rental / Lease agreement for minimum 05 years		
9.	Infrastructure				
	a) Teaching Block	➤	Minimum 10,763 Sqft (1000 square meters)		
	b) Class Room	➤	Table enclosed: No.1		
	c) Laboratories	➤	Table enclosed: No.1		
	d) Library Books	➤	30 titles in core subjects and 15 titles in other subjects		
	e) Hostel facilities for students	➤	Boys and girls		
10.	Staff details	➤	List enclosed (Sl.No.2 to 4) Note: Same qualified faculty can teach both BPO and MPO, if the college is offering both the courses		
11.	Principal	➤	01 (In case of Professor not being		

			available, 1 senior Associate Professors should be appointed to accommodate for principal/Head of the department role apart from teaching, research guidance and administrative work).		
12.	Non Teaching staff & others	➤	Academic Administrator -01 Librarian -01 Academic assistant-01		
13.	Vehicle Details	➤	Transportation facilities to accommodate at least 20 students		
14.	Sports & Recreation Facilities	➤	Out door Facility & Indoor Facility		
15.	Lab Equipment (I & II)	➤	List enclosed: 5A & 5B Note: Same lab equipment's facilities can be used for both BPO and MPO, if the college is offering both the programs.		
16.	Clinical material/ Area(CDE)	➤	Table enclosed: 5C, 5D & 5E		
17.	Opinion of the of the Scrutiny Committee for LIC inspection	➤			

1. PHYSICAL FACILITIES (As Per Rehabilitation Council of India, New Delhi norms)

S. No.	Name	Minimum Size in Sq. Ft.
1.	Class rooms (04 numbers)with audio-visual facility	04 @ 300 = 1200
2.	One room for clinical meeting	600
3.	Two trial fitting rooms (One for men & one for women)	02 @ 300 = 600
4.	Two measurement rooms (One for men & one for women)	02@ 200 = 400
5.	Prosthetic Lab	1050
6.	Orthotic Lab	1050
7.	Prosthetics & Orthotics faculty rooms (Minimum 06)	06 @ 100 = 600
8.	Two students common room (One for men & one for women)	1200
9.	One office room	150
10.	One course coordinator room	200
11.	Computer Laboratory room	600
12.	Two Machinery Room	500
13.	One store room	1350
14.	Gait training Laboratory	450
15.	One plaster room	400
16.	Waiting room for the patients	1350
17.	Adequate hostel facility	
18.	Reception & patient registration	20-30
19.	Common Multi-Purpose Hall (optional)	
20.	One library room	

TEACHING STAFF DETAILS ((As Per Rehabilitation Council of India, New Delhi norms)

2. STAFF REQUIREMENT:

Sl. No.	Core Faculty	Column-I 01-20 seats	Column-II 21-30 seats	Column-III 31-40 seats
1.	Professor & Head Department of Prosthetics & Orthotics	-	01	01
2.	Associate Professors (Prosthetics & Orthotics)	01	02	03
3.	Assistant Professor /Lecturer (Prosthetics & Orthotics)	03	04	06
4.	Prosthetist and Orthotist/Demonstrators (Prosthetic & Orthotic)	06	06	08

3. QUALIFICATION & EXPERIENCE OF THE CORE FACULTY (As per Rehabilitation Council of India, New Delhi norms)

Sl. No.	DESIGNATION	QUALIFICATION & EXPERIENCE	PUBLICATION	PAY SCALE
1	Professor (Prosthetics & Orthotics)	Master in Prosthetics & Orthotics from an institution with a minimum of 10 years of teaching and research experience as Associate Professor (Prosthetic & Orthotic) Desirable: PhD in Prosthetics & Orthotics	Essential 05 publications	As per UGC norms
2	Associate Professor (Prosthetics & Orthotics)	Master in Prosthetics & Orthotics with 05 years of teaching experience as an Assistant Professor / Lecturer (Prosthetics & Orthotics) in any recognized Prosthetic & Orthotic Institution. Desirable: PhD in Prosthetics & Orthotics	Essential 03 publications	As per UGC norms
3	Assistant professor (Prosthetics & Orthotics)	Master in Prosthetics & Orthotics with 02 year experience in the field.		As per UGC norms
4	Prosthetist & Orthotist/ Demonstrator (P &O)	Master in Prosthetics & Orthotics or Bachelor in Prosthetics and Orthotics) with 02 year experience in the field		

NOTE:

1. These qualifications are applicable for future recruitment. The case of teachers who are already holding teaching posts and have more than 10 years teaching experience will continue to hold their post in their respective institution.
2. Minimum of 2 teaching faculty members in core areas will be required for giving recognition for the first year.
3. Before the commencement of second academic year one more faculty member must be appointed.
4. In case of Professor not being available, 1 Readers/Associate Professors (additional) should be appointed to accommodate teaching, research guidance and administrative work.

4.GUEST/PART TIME FACULTY REQUIREMENTS FOR THE FOLLOWING DISCIPLINES

1. Anatomy
2. Physiology
3. Applied Mechanics & Strength of Material
4. Workshop technology & Material Science
5. Pathology
6. Orthopedics & Amputation Surgery & Imaging
7. Electro technology
8. Psychology and Sociology
9. Research Methodology & Bio Statistics
10. Computer science (CAD-CAM)
11. Management & Administration
12. Pharmacology

5. LIST OF TOOLS AND EQUIPMENT REQUIRED (As Per Rehabilitation Council of India, New Delhi norms)

5.A. LIST OF COMMON EQUIPMENTS

Sl. No.	Name of Equipment	Minimum Requirement
1.	Hot Air Oven Heating chamber size- (36"W x 24"D x 30"H), with double layer toughened Front visible glass with inside light arrangement, Maximum temperature 350 Degree C. 12 KW Rating and 1HP 3 phase Motor for fan with Digital timer thermostat temperature Controller.	01 No
2.	Polisher converted to Cone sanding machine 2 HP 3 phase motor.	01 No.
3.	Infra-Red Oven (optional)	01 No.
4.	Bench Grinder Cum Sander 0.5 HP, single phase motor, Abrasive Wheel size 10 inch x1 inch	01 Nos.
5.	Pillar Drilling Machine Drilling capacity 25 mm, Pillar dia. 87 mm Maximum distance spindle to table 600 mm, Table working surface dia. 400 mm with 1 HP 3 phase motor.	01 No.

6.	Bench Drilling Machine with stand, Capacity ½ inch	01 No.
7.	Industrial Leather and Canvas Sewing Machine with ¼ HP motor	01 No.
8.	Adjustable Circular Saw Circular saw dia.18", Working table size 24"x36" Maximum depth of cut 5½" with 3 HP 3 phase motor	01 Nos.
9.	Belt and Disc Sander Disc dia. 10 inches, belt size 6"x48" with 1 HP 3 phase motor	01 No.
10.	All-purpose saw , temperature range 100-600 degrees c, power input 2000w	01 No.
11.	Hot Air Gun Temperature range 100-600 degrees C, Power input 2000W	01 No.
12.	Jig Saw Machine sawing depth in wood 54 mm, rated input 350W	01 No.
13.	High vacuum machine with ¼" HP motor	01 No.
14.	Removable Mandrills	03 Nos.
15.	Mandrill for air suction mounting and Draping for sockets	03 Nos.
16.	Hot water bath for softening low Temperature thermoplastic sheets	01 No.
17.	Draping frame size (small)	02 Nos.
18.	Draping frame size (small)	02 Nos.
19.	Adjustable / fixed grinding and milling machine with dust collector	01 No.
20.	Sanding roll	02 Nos.
21.	Sanding sleeve	02 Nos.
22.	Sanding drum	02 Nos.
23.	Tool holder	05 Nos.
24.	Deep drawing tool set	02 Nos.
25.	Rasp head	01 No.
26..	Hot sealing iron	02 Nos.
27.	Staple gun	02 Nos.
28.	Hand Drill machine	04 Nos.

29.	Cord less hand drill machine	02 Nos.
30.	Instrumented GAIT ANALYZER AND TRAINER (optional for BPO program)	01 No.
31.	Shoe finishing machine	01 No.
32.	Working table with peg board (minimum 10 tables are required for 10 students)	10 Nos.
33.	Over locking machine	01 No.
34.	Laser aligner	01 No.
35.	Lathe Machine	01 No.
36.	Inter locking machine	01 o.

5.B. LISTS OF COMMON TOOLS AND MATERIAL

Sl. No.	Name of Equipment / tool	Minimum Requirements
1.	Flat file bastard 2nd cut 10", 2nd cut 12"	10 no. each
2.	Aluminum Flat File 10" & 12"	10 no. each
3.	Round file 6", 8", 2nd cut	10 no. each
4.	Flat file 10" round 2nd cut	10 no each
5.	Triangular file 6", 10" 2nd cut	10 no each
6.	Rasp file half round 10", 12", 8"	10 no. each
7.	Rasp file flat 10", 12"	10 no. each
8.	Rasp file round 6", 10"	10 no. each
9.	Screw driver 150x6mm, 200x8mm, 250x8mm	10 no. each
10.	Flat chisel 12mm, 20mm, 25mm	2no. each
11.	Cold chisel 12mm, 20mm	2no. each
12.	Half round chisel 12mm, 20mm	2 no. each
13.	Ruler steel 600mm, 300mm	2no. each
14.	Steel square with leg 200mm	2 no. each
15.	Caliper inside/outside 200mm	2no. each
16.	Compass/ Driver 200mm Outside/inside caliper	2 no. each
17.	Hammer ball peen 500 gms, 250gms	10 no. each
18.	Mallet hammer with handle	2no. each
19.	Hammer seaming plier (pincer) 10", 12"	4 no. each
20.	Nipper 150mm, 200mm	2 no. each

21.	Plier 200mm	10 no. each
22.	Long nose plier 150 mm	10 no. each
23.	Revolving Hole punch 250gms	10 no. each
24.	Centre punch	10 no. each
25.	Hole punch 2mm, 3mm	3 no. each
26..	Hole punch set	2 no.
27.	Scissor 10" & 12 "	10 no.each
28.	Hacksaw Frame 300mm	10 no.
29.	Hacksaw blades 300mm	1 pkt of 144 pc
30.	Tap set 3, 4,5,6,7,.....mm	2 no. each
31.	Tap handle	2 no. each
32.	Grip plier	10 no.
33.	Die set 3,4,5,6,7,.....mm	2 no. each
34.	Cross pein hammer	10 no.
35.	wire cutter	10 no.
36.	Measuring tape	10 no.
37.	Shoe maker hammer	5 no.
38	Anvil	2no.
39.	Half round leather Knife (Rapi)	5 no.
40.	Nipper shoe maker 8"	5 no.
41.	Leather knife	2 no.
42.	Bender brace 5.5 mm	1 no.
43.	Bender brace 6.5 mm	1no.
44.	cone sander fine, medium, coarse	10 no. each
45	Plaster knife 150x200mm, 2000x750x350mm	10 no.
46.	Upper Limb Prosthetic Kit (B/E, A/E,S.D) body powered	2 no. each
47.	Externally powered kit (B/E & A/E)	1 each
48.	Vice limb maker (modified)	1 no.
49.	Bending fork (Set of two pieces)	2 no.
50.	Caliper A-P measurement above knee	2 no.
51.	Ear Protector	05 no.
52.	Nut replacement tool 7mm, 9mm	2 no. each
53.	Heat proof gloves	4 pairs

54.	Copper rivets ¼", ½"	1 kg each
55.	Aluminium rivets ¼", ½"	1 kg each
56.	Eyelet punch	10 no.
57.	Rivet head finishing punch	10 no.
58.	Plastic D-rings 1", 1 ½", & 2"	5 pkts each
59.	Buckles 1", 1 ½' & 2"	5 pkts each
60.	Micrometer	2 no.
61.	Ritz scale for M-L diameter/ALIMCO B.K. caliper	2 no.
62.	Allen keys / T-handheld Allen keys (1mm-10mm)	10 set
63.	Press button	5 pkts
64.	Evathene foam 4mm, 6mm, 8mm thickness	5 sheets each
65.	Polypropylene and co polymer sheets (white) 3mm, 4mm & 5mm thickness	5 sheets each
66.	Dendrite solution	5 ltr (5 tin)
67.	Velcro straps (hook & loop) ¾", 1" and 2"	2 roll each
68.	Nappa leather	5000 d/m
69.	Low temperature thermo plastic sheets 3.2mm/4.2 mm thickness	5 sheets each
70.	Aluminum strips (4mm) thickness	5 kg.
71.	Aluminium sheet (4mm thicknes), 1 mm=18 gauge (BSW)	2 sheet
72.	Drill bits, Full Set Max diameter (7/64", 1/8", 9/64", 5/32", 3/16", 11/64", ¼", 3/8", ½")	1 set
73.	Different modular system for lower limb prostheses	5 set each
74.	Torque wrench	01
75.	Bench Vice	10
76.	Vernier Caliper (adjustable digital)	10
77.	V-BOX	02

5.C. LIST OF TOOLS AND EQUIPMENT REQUIRED FOR PATIENT EXAMINATION AND CASTING ROOM

Sl. No.	Name of Equipment	Minimum requirements
1.	Measuring tape	10
2.	Flexible steel rule	10
3.	Aluminium tripod	02
4.	Casting apparatus under Weight bearing	02
5.	Casting apparatus for Above knee amputee	01
6.	Plaster bandage trolley	01
7.	Foot measuring device	01
8.	Oscillating saw – Multimaster	02
9.	Spinal casting apparatus	02
10.	Hook knife	05
11.	Plaster cutting scissors	04
12.	Examination couch	02
13.	X-ray image viewer	02
14.	Goniometer	05
15.	Pedobarography machine	01

5.D. PLASTER MODIFICATION AREA / ROOM

Sl. No.	Name of Equipment	Minimum requirements
1.	Plaster work table	02
2.	Plaster cast shelf	01
3.	Pipe vice	05
4.	Plaster bucket	05
5.	Mixing bowl	20
6.	Plaster stirrer	20
7.	Surform file flat	20
8.	Surform file round (blade only)	15
9.	Surform file half round (blade only)	15
10.	Plaster spatula	15
11.	Tape measure	10

12.	Goniometer	05
13.	Special plaster knife	05
14.	Draw knife	02
15.	Plaster cutting scissors	04
16.	Mandrills	20
17.	Plaster separation sink	01

5.E. PATIENT TRIAL AREA

Sl. No.	Name of Equipment	Minimum requirements
1.	Parallel bar with mirror on Both side	01
2.	Portable heat gun	01
3.	Chordless hand drill machine	01
4.	Revolving centre punch	05

ASSISTANT REGISTRAR

DEPUTY REGISTRAR