

Schedule XXXII (Only for PG Institute)
Minimum required facilities for Central Research Laboratory

	Phytochemical test facility	Available / Not Available	Deficiency
1.	Qualitative		
	1.Organic tests	Available	
	2.Inorganic tests		
	3.Fluorescence analysis of powders		
	4.Chromatography		
	i. TLC (Thin Layer Chromatography)	Available	
	ii. NPST (Namboori Phased Spot Test)	Available	
	iii. Column Chromatography		
2.	Pharmacognostic		
	(a) Authentication		
	(b) Macroscopic		
	(c) Section microscopy	Available	
	(d) Powder microscopy	Available	
	(e) Microtome section	Available	
	(f) Multiple staining and permanent slide preparation	Available	
	(g) Digital microscopy		
	(h) Quantitative microscopy (Stomata number, Stomatal Index, Palisade number, Vein islet number)	Available	
3.	Microbiological		
	(a) Microbial limits		
	i. Total bacterial count		
	ii. Total Fungal count		
	iii. Tests for specific pathogens		
	(b)Antimicrobial study (Cup Plate method, MIC and MBC)		
	i. Antibacterial		
	ii. Antifungal		
	(c) Microbial culture		
	i. Water	Available	
ii. Clinical Swab			
4.	Invitro Studies:		
	(a) Antioxidant		
	(b) Immunomodulatory		
	(c) Antimicrobial		
	Quantitative		
1.	Flame photometry Calcium, Sodium, Potassium,	Available	
2.	UV Spectrophotometry	Available	
	(a) Phenols, Flavonoids, Carbohydrate, Proteins, Sugar, Iron etc		


Principal
Ayurved College
Shevgaon, Dist. A'Naga'

Signature of Member

Signature of Member

Signature of Chairman