



# BHARATHIAR UNIVERSITY

Established by the Bharathiar University Act 1981

Accredited with 'A' Grade by NAAC

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## CHECKLIST OF RESOURCES

42 N.  
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### 1. FACULTY RESOURCES

<b>Working Hour Norms:</b>	
Head of the Department	: 12 Lecture hours per week
Other Faculty Members	: 16 Lecture hours per week
2 hours of Lab is equal to	: 1 hour of Lecture hour
1 ½ hours of UG Teaching is equal to	: 1 hour of PG Teaching

<sup>PG</sup> UG PROGRAMME: M.Sc Biotechnology.

#### First year : Semester I & II

S. No.	Subject	Instruc-tional Hours	* No. of Faculty members required	Faculty Qualification requirements
1.	Language I and II			
2.	English I and II			
3.	Core Papers	24		
4.	Allied Papers - A	12		
5.	Foundation Course A (General Awareness)			
<b>TOTAL</b>				

As per University norms  
As per University norms

#### Second year : Semester III & IV

S. No.	Subject	Instruc-tional Hours	* No. of Faculty members required	Faculty Qualification requirements
1.	Language III and IV			
2.	English III and IV			
3.	Core Papers	14		
4.	Allied Papers - B			
5.	Foundation Course B			
6.	Diploma Courses			
<b>TOTAL</b>				

As per University norms

**Third year : Semester V & VI**

S. No.	Subject	Instruc - tional Hours	*No. of Faculty members required	Faculty Qualification requirements
1.	Core Papers	54		
2.	Diploma Courses			
<b>TOTAL</b>				

\* As per the work load presented under the item No. 1 of check list

**PG PROGRAMMES:**

**First year : Semester I & II**

S. No.	Subject	Instruc - tional Hours	*No. of Faculty members required	Faculty Qualification requirements
1.	Core Papers	54		
2.	Others Diploma	6		
<b>TOTAL</b>		60		

**Second year : Semester III & IV**

S. No.	Subject	Instruc - tional Hours	*No. of Faculty members required	Faculty Qualification requirements
1.	Core Papers	54		
2.	Others	6		
<b>TOTAL</b>		60		

\* As per the work load prescribed under the item No. 1 of check list

## 2. FACULTY ROOM REQUIREMENTS:

S. No.	Requirements	Quantity	Specification
<b>I. HOD's Room / Cabin</b>			
1	Room	1	10 X 15 Sq. Ft.
2	Phone with intercom	1	
3	Computer	1	P4, Dual Core, 80 GB Hard Disk or more
4	Printer	1	Laser Printer
5	Internet Connection		
5	Steel Cupboard	1	6 x 1.5 feet
6	Filing cabinet	1	6 x 1.5 feet
7	Executive Table with Chair	1	6 x 4 feet
8	Visitors Chair	3	'S' type Chair
<b>II. Faculty Members Room</b>			
1	Table with Writing Pad, small cupboard, drawer and locking facility	1 for each faculty	4 x 2 feet
2	Chair	1 for each faculty	S' type Chair
3	Steel Cupboard	1 for each faculty room	6 x 1.5 feet
4	Computer	1 for each faculty room	P4, Dual Core, 80 GB Hard Disk or more
5	Printer	1 for each faculty room	Laser Printer
6	Internet connection		
7	Phone with intercom	1	
12	Typist with Computer knowledge in MS Office	1	

## 3. TEACHING AIDS (Can be shared with other Departments)

S. No.	Name of the Aid	Required quantity	Specification
1	Public Address System in the Seminar Hall (Amplifier, Mic, Speaker, etc.)	1	Amplifier with two speakers and two microphones. specific for the department.
2	Television	NOT REQUIRED	
3	Video Recorder	NOT REQUIRED	
4	Computer with DVD player	2	
5	LCD Projector	2	
6	Over Head Projector	NOT REQUIRED	
7	Video Camera	} If the institute provides it is good.	
8.	Dogmatic Camera		
9.	Document Reader		
10.	CDs and DVDs of subject related		At least two CDs per subject
11.	Audio Video Cassettes	NOT REQUIRED	
12.	Video conferencing facility		OPTION for the institute to acquire

#### 4. CLASS ROOM REQUIREMENTS:

S. No.	Requirements	Nos. required	Specification as per the Norms
1	Class room Area (Separate for each year)	Depending upon the number of programmes.	Atleast 10 Sq.ft. per class room.
2	Black Board or Fibre Glass Board	1 (Each class room)	12 x 4'
3	Fan fittings		1 for every 125 Sq.ft.
4	Tube Light fittings		1 for every 100 Sq.ft.
<b>Furnitures in the Classroom</b>			
5	a. Table & Chair for Faculty		One set per classroom
	b. Tables & Chairs for Students		One set per student
	c. Tables for equipments		
6	15 Amps. Plug Points	Two (one over and one overhead)	
7	OHP / LCD Projectors	1 per class room.	
8	Screen Facility or Wall space for screening		6ft x 5ft wall space.

#### 5. REQUIREMENTS FOR THE SEMINAR HALL:

(Can be shared with other Departments)

S. No.	Name of the Aid	Quantity	Specification
1	Area	One	40ft x 20ft
2	LCD Projector	As per item No. 3.	
3	OHP	Not required.	
4	Audio Video Equipments	Not required.	
5	Television	Not required.	
6	VCR	Not required.	
7	Public Address System in the Seminar Hall (Amplifier, Mic, Speaker, etc.)	As per item No. 3.	

#### 6. LABORATORY REQUIREMENTS:

**Norms:** 50 Sq. Feet per student for Core courses  
36 Sq. Feet per student for Allied courses.

S. No.	Requirements	Quantity required	Specification / Qualification
1	Lab Area		50 Sq.Ft. per Student / 36 Sq.Ft. per Student.
2	Lab Technician	1	B.Sc. in the relevant field.
3	Lab Attender	1	Pass in HSC
4	Stock Register		
5	Table size		3 x 1.5 for each student
6	Chairs / Stools	1 per student.	
7	Tables / Chairs for Lab Technician	One	

S.No.	Equipments	Quantity required	Specification
8	I year	Item No: 1-12, 14-17, 19-22, 25-28 30-35, 37-43, 46-50 as given in the Annexure	
	II year	Item No: 13, 18, 24, 29, 36, 44, 45 as given in the annexure.	
	III year		
S. No.	Requirements	Quantity required	Specification
9	Racks / Room space for storing consumables		
10	Water supply	AS PER THE ENCLOSURE:	
11	Fire extinguisher		
12	Standby Power supply		
13	Wash room with sink		10 x 10 feet 2 tap connection
14	Preparation Room		12 x 12 feet
15	Instrument Room		20 x 12 feet
16	Store Room		20 x 20 feet
17	Culture Room		20 x 12 feet

## 7. COMPUTER LAB REQUIREMENTS:

### Computer Student Ratio:

Non Computer Courses	-	1 : 24
Computer Related Courses	-	1 : 1
Area required	-	20 Sq. ft. per <sup>computer</sup> student

S. No.	Equipments Required	Quantity Required	Specification as per the Norms
1.	Computer Server		Xeon 3 GHz or more
2.	Terminals / Nodes	as given above	P4, Dual Core, 80 GB Hard Disk or more
3.	Tables & Chairs for Terminals	AS Req <sup>d</sup>	3 x 3 per terminal
4.	Air Conditioner	Wired	1 / 1.5 tons for 200 Sq. Ft.

S. No.	Equipments Required	Quantity Required	Specification as per the Norms
5.	<b>Softwares</b>		
	a. System Softwares: Windows NT / Windows Vista, etc. Office 2007. b. Application Softwares:		as applicable.
6.	UPS		10 KV with one hour backup
7.	Generator		20 KVA <i>preferably provided</i>
8.	Printer		One for every 10 terminals
9.	Scanner		<i>as required</i>
10.	Internet connection (High speed)		512 KB / 1 MB (at least)
11.	OHP / LCD Projectors	<i>as required</i>	
12.	DVD Writer	<i>as required</i>	
13.	System Analyst / Administrator	<i>Not Required</i>	MCA (I Class) / M.E. / M.Tech (in Circuit branches) / M.Sc.(IT) / M.Sc. Computer Science (I Class) with one year experience in System Design / Software Development
14.	Technical Staff	1	First Class in PG of the subject concerned.

*preferably - one*

**8. LANGUAGE LAB:**

S. No.	Description	Quantity	Specification
1	Instructor		
2	Computers with Multimedia kit	—	
3	Relevant Softwares		

**9. LIBRARY RESOURCES REQUIRED:**

(Please enclose the list of Books and Journals)

*— Please see enclosure*

**a. BOOKS / JOURNALS / MAGAZINES**

**First Year**

S. No.	Subject	Text Books (if any)	Reference Books	No. of Journals / Magazines
1.	Language I and II	5 titles	50 titles	
2.	English I and II	5 titles	50 titles	
3.	Core Papers per Subject	5 titles	50 titles	<i>As given in the enclosure.</i>
4.	Allied Papers	5 titles	50 titles	
5.	Foundation Course A	5 titles	50 titles	

### Second Year

S. No.	Subject	Text Books (if any)	Reference Books	No. of Journals / Magazines
1.	Language III and IV	5 titles	50 titles	
2.	English III and IV	5 titles	50 titles	
3.	Core Papers	5 titles	50 titles	As given in the Annexure.
4.	Allied Papers	5 titles	50 titles	
5.	Foundation Course B	5 titles	50 titles	
6.	Diploma Courses	5 titles	50 titles	

### Third Year

S. No.	Subject	Text Books (if any)	Reference Books	No. of Journals / Magazines
1.	Core Papers	5 titles	50 titles	
2.	Diploma Course	5 titles	50 titles	

### b. LIBRARY STAFF REQUIRED:

S. No.	Requirements	Required No.	Qualification
1.	Librarian / Assistant Librarian	1	Any Master Degree with M.Lib.
2.	Library Assistants	1	Any Bachelor Degree with B.Lib.
3.	Supportive Staff		

As per University norms.

### c. LIBRARY FURNITURE REQUIREMENTS:

S. No.	Requirements	Required quantity
1.	Racks to store books	
2.	Student study Tables	
3.	Student study Chairs	
4.	For Library / Staff	
5.	Tables and Chairs	

As per University norms.

### 10. OTHER EQUIPMENTS REQUIRED:

S. No.	Requirements	Required quantity
1.	Photo copying facility	These facilities should be made available at library.
2.	Computers with Multimedia Kit to play back DVDs.	
3.	Library Software	
4.	Scanner / Smart Card reader / Bar code reader	
5.	CDs / DVDs rack	
6.	CDs / DVDs facility	

### 11. HOSTEL FACILITIES:

S. No.	Facilities	Required facilities
1.	Hostel for Boys	As per University norms.
2.	Hostel for Girls	
3.	RCC roofed room	
4.	Cooking and Dining facilities	
5.	Recreational facility	
6.	Fittings	
7.	Furnitures	
8.	<b>Utilities:</b>	
	a. Toilets	
	b. Drinking water	
	c. Water for other use	
9.	d. Laundry facility	
	Medical facilities	

**12. AVAILABILITY OF OTHER FACILITIES :** *As per University norms*

S. No.	Parameter	Requirements
1.	All Weather Approach Road (cemeted / kuchha)	
2.	Potable Water Supply System (own bore well / municipal corporation)	
3.	Drinking Water (One pipe / Drum / Water Purifier for every floor.)	
4.	Electrical Generator (5 kv, 5-10 kv, more than 20 kv)	
5.	Students' Canteen	
6.	Students' Common Room (Boys / Girls)	
7.	If no hostel facility is available, whether arrangements have been made for boarding and lodging of students near to the institution, if yes mode of travel from the place of stay of the institution	
8.	Toilet facilities: (Norms: One wash basin, sink, urinal and toilets for every 25 faculty and for every 25 students separately. For ladies and gents separate facilities must be available) 1. Sink 2. Water Basin 3. Urinal 4. Toilets	
9.	Parking facilities	
10.	Medical facilities (Full time / part time doctor / Dispensary)	
11.	Insurance facilities	
12.	Telephone booth	
13.	Gymnasium / Indoor / Outdoor Games facilities	
14.	Rainwater-harvesting facilities	
15.	Post office facility	
16.	Bank facility	
17.	Transport facility for day scholars	
18.	Reprographic facilities in the Institution	
19.	Barrier free environment for physically challenged	
20.	Others (Please specify)	