



BHARATHIAR UNIVERSITY

Established by the Bharathiar University Act 1981

Accredited with 'A' Grade by NAAC

Coimbatore - 641 046

Phone: +91 422 2422222, Fax: +91 422 2425706, Website: www.b-u.ac.in



CHECKLIST OF RESOURCES

1. FACULTY RESOURCES

Working Hour Norms:

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

UG PROGRAMME:

First year : Semester I & II

S. No.	Subject	Instruc - tional Hours	No. of Faculty members required	Faculty Qualification requirements
1.	Language I and II	6	1	PG with M.Phil
2.	English I and II	6	1	in the concerned
3.	Core Papers	10	1	subject
4.	Allied Papers - A	6	-	
5.	Foundation Course A (General Awareness)	2	-	
TOTAL		30		

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	19	2	M. Com - M. Phil
4.	Allied Papers - B	6		
5.	Foundation Course B	2		
6.	Diploma Courses	3		
TOTAL		30	2	

Third year : Semester V & VI

S. No.	Subject	Instruc - tional Hours	No. of Faculty members required	Faculty Qualification requirements
1.	Core Papers	27	2	M. Com. M. Phil. -
2.	Diploma Courses	3		
TOTAL		30		

PG PROGRAMMES:**First year : Semester I & II**

S. No.	Subject	Instruc - tional Hours	No. of Faculty members required	Faculty Qualification requirements
1.	Core Papers			
2.	Others			
TOTAL				

Second year : Semester III & IV

S. No.	Subject	Instruc - tional Hours	No. of Faculty members required	Faculty Qualification requirements
1.	Core Papers			
2.	Others			
TOTAL				



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CHECKLIST OF RESOURCES

51B
29.2.2008

1. FACULTY RESOURCES

Working Hour Norms:

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

B.Com-CA UG PROGRAMME:

B.Com (CA)

First year : Semester I & II Per Semester

S. No.	Subject	Instruc - tional Hours	No. of Faculty members required	Faculty Qualification requirements
1.	Language I and II	6	1	
2.	English I and II	6	1	
3.	Core Papers	12	1	M.Com, M.Phil./PGDCA
4.	Allied Papers - A	4		
5.	Foundation Course A (General Awareness)	2		
TOTAL		30		

Second year : Semester III & IV Per Semester

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	20 ✓	2	M.Com M.Phil./PGDCA
4.	Allied Papers - B	4 ✓		
5.	Foundation Course B	2		
6.	Diploma Courses	3		M.Com .. M.Phil.
TOTAL		30		

30m (10)

Third year : Semester V & VI per Semester

S. No.	Subject	Instruc - tional Hours	No. of Faculty members required	Faculty Qualification requirements
1.	Core Papers	27	2	M.Com, M.Phil / PGD(A)
2.	Diploma Courses	3		M.Com, M.Phil.
TOTAL		30		

PG PROGRAMMES:

First year : Semester I & II

S. No.	Subject	Instruc - tional Hours	No. of Faculty members required	Faculty Qualification requirements
1.	Core Papers			
2.	Others			
TOTAL				

Second year : Semester III & IV

S. No.	Subject	Instruc - tional Hours	No. of Faculty members required	Faculty Qualification requirements
1.	Core Papers			
2.	Others			
TOTAL				



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CHECKLIST OF RESOURCES

Approved by

SCAA : 29.2.2008

1. FACULTY RESOURCES

B.Sc., BIOCHEMISTRY & DIPLOMA IN

BIOINFORMATICS

Working Hour Norms:

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

UG PROGRAMME:

First year : Semester I & II

S. No.	Subject	Instruc - tional Hours/ WEEK	No. of Faculty members required	Faculty Qualification requirements
1.	Language I and II	6+6	1	PG WITH M.Phil./
2.	English I and II	6+6	1	SLAT/ NET in
3.	Core Papers	10+8	2	Concerned Subjects/
4.	Allied Papers - A	8+8	1	Qualification
5.	Foundation Course A (General Awareness)	-+2	-	approval from University.
TOTAL		30+30	5	

Second year : Semester III & IV

S. No.	Subject	Instruc - tional Hours	No. of Faculty members required	Faculty Qualification requirements
1.	Language III and IV	6+6	1	
2.	English III and IV	6+6	1	
3.	Core Papers	9+7	2	- do -
4.	Allied Papers - B	6+6	1	
5.	Foundation Course B	-+2	-	
6.	Diploma Courses	3+3	-	
TOTAL		30+30	5	

Third year : Semester V & VI

S. No.	Subject	Instruc - tional Hours	No. of Faculty members required	Faculty Qualification requirements
1.	Core Papers	27+27	4+4	-do-
2.	Diploma Courses	3+3	-	
TOTAL		30+30	4+4	

PG PROGRAMMES: —

First year : Semester I & II

S. No.	Subject	Instruc - tional Hours	No. of Faculty members required	Faculty Qualification requirements
1.	Core Papers	—		
2.	Others	—		
TOTAL		—		

Second year : Semester III & IV

S. No.	Subject	Instruc - tional Hours	No. of Faculty members required	Faculty Qualification requirements
1.	Core Papers	—		
2.	Others	—		
TOTAL		—		



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CHECKLIST OF RESOURCES

32-K
29.2.2008

1. FACULTY RESOURCES

Working Hour Norms:

Head of the Department : 12 Lecture hours per week

Other Faculty Members : 16 Lecture hours per week

~~1 hour of Lab is equal to 1 hour of Lecture hour~~

1 1/2 hours of UG Teaching is equal to : 1 hour of PG Teaching

UG PROGRAMME: BSc. COMPUTER SCIENCE (Regular)
First year : Semester I & II

S. No.	Subject	Instruc - tional Hours	No. of Faculty members required	Faculty Qualification requirements
1.	Language I and II	6+6	1	
2.	English I and II	6+6	1	
3.	Core Papers	12+10	2	As per UGC norms
4.	Allied Papers - A	4+6	1	
5.	Foundation Course A (General Awareness)	2+2	—	
TOTAL			5	

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	19+19	2	As per UGC norms
4.	Allied Papers - B	6+6	1	
5.	Foundation Course B	2+2	—	
6.	Diploma Courses	3+4	—	
TOTAL			—	

Third year : Semester V & VI

S. No.	Subject	Instruc - tional Hours	No. of Faculty members required	Faculty Qualification requirements
1.	Core Papers & Applied	21+26	2	
2.	Diploma Courses	3+4	1	As per UGC norm
TOTAL			1	

PG PROGRAMMES:

First year : Semester I & II

S. No.	Subject	Instruc - tional Hours	No. of Faculty members required	Faculty Qualification requirements
1.	Core Papers			
2.	Others	NA		
TOTAL				

Second year : Semester III & IV

S. No.	Subject	Instruc - tional Hours	No. of Faculty members required	Faculty Qualification requirements
1.	Core Papers			
2.	Others	NA		
TOTAL				



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CHECKLIST OF RESOURCES

32-K
29.2.2008

1. FACULTY RESOURCES

Working Hour Norms:

Head of the Department : 12 Lecture hours per week

Other Faculty Members : 16 Lecture hours per week

~~1 hour of Lab is equal to 1 hour of Lecture hour~~

1 1/2 hours of UG Teaching is equal to : 1 hour of PG Teaching

UG PROGRAMME: BSc. COMPUTER SCIENCE (Regular)
First year : Semester I & II

S. No.	Subject	Instruc - tional Hours	No. of Faculty members required	Faculty Qualification requirements
1.	Language I and II	6+6	1	
2.	English I and II	6+6	1	
3.	Core Papers	12+10	2	As per UGC norms
4.	Allied Papers - A	4+6	1	
5.	Foundation Course A (General Awareness)	2+2	—	
TOTAL			5	

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	19+19	2	As per UGC norms
4.	Allied Papers - B	6+6	1	
5.	Foundation Course B	2+2	—	
6.	Diploma Courses	3+4	—	
TOTAL			—	

Third year : Semester V & VI

S. No.	Subject	Instruc - tional Hours	No. of Faculty members required	Faculty Qualification requirements
1.	Core Papers & Applied	21+26	2	
2.	Diploma Courses	3+4	1	As per UGC norm
TOTAL			1	

PG PROGRAMMES:

First year : Semester I & II

S. No.	Subject	Instruc - tional Hours	No. of Faculty members required	Faculty Qualification requirements
1.	Core Papers			
2.	Others	NA		
TOTAL				

Second year : Semester III & IV

S. No.	Subject	Instruc - tional Hours	No. of Faculty members required	Faculty Qualification requirements
1.	Core Papers			
2.	Others	NA		
TOTAL				



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CHECKLIST OF RESOURCES

1. FACULTY RESOURCES

BSc Microbiology

38B
29.2.08

Working Hour Norms:

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

UG PROGRAMME:

First year : Semester I & II

S. No.	Subject	Instruc- tional Hours	No. of Faculty members required	Faculty Qualification requirements
1.	Language I and II	12	1	
2.	English I and II	12	1	
3.	Core Papers	20	1	
4.	Allied Papers - A	12	1	
5.	Foundation Course A (General Awareness)	04	—	
TOTAL		60	4	

Second year : Semester III & IV

S. No.	Subject	Instruc- tional Hours	No. of Faculty members required	Faculty Qualification requirements
1.	Language III and IV	12	1	
2.	English III and IV	12	1	
3.	Core Papers	14	1	
4.	Allied Papers - B	12	1	
5.	Foundation Course B	06	—	
6.	Diploma Courses	06	1	
TOTAL		60	4	

Third year : Semester V & VI

S. No.	Subject	Instruc - tional Hours	No. of Faculty members required	Faculty Qualification requirements
1.	Core Papers	51	3	
2.	Diploma Courses	09	1	
TOTAL		60	4	

PG PROGRAMMES:

First year : Semester I & II

S. No.	Subject	Instruc - tional Hours	No. of Faculty members required	Faculty Qualification requirements
1.	Core Papers			
2.	Others			
TOTAL				

Second year : Semester III & IV

S. No.	Subject	Instruc - tional Hours	No. of Faculty members required	Faculty Qualification requirements
1.	Core Papers			
2.	Others			
TOTAL				



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CHECKLIST OF RESOURCES

BBM (CA) & BBM (TS)

55 IS

20.2.2008

SS-C-A1

1. FACULTY RESOURCES

Working Hour Norms:

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 1/2 hours of UG Teaching is equal to	: 1 hour of PG Teaching

UG PROGRAMME:

BBM-CA / BBM IS

First year : Semester I & II

S. No.	Subject	Instruc-tional Hours	No. of Faculty members required	Faculty Qualification requirements
1.	Language I and II	1206	1	P.G with M.Phil / SLET
2.	English I and II	1206	1	/NET in the Subjects
3.	Core Papers	11	1	Concurrence
4.	Allied Papers - A	5		
5.	Foundation Course A (General Awareness)	2		
TOTAL		30	3	

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	20	2	1) MBA with M.Phil / SLET / NET
4.	Allied Papers - B	5		2) B.Sc (as) / BCA with MBA
5.	Foundation Course B	2		or) MBA Systems specialization
6.	Diploma Courses	3		or) MBA Ph.DCA
TOTAL		30		

Third year : Semester V & VI

S. No.	Subject	Instruc - tional Hours	No. of Faculty members required	Faculty Qualification requirements
1.	Core Papers	27	2	MBA with M.Phil/SET/NET
2.	Diploma Courses	3		
TOTAL				

PG PROGRAMMES:

First year : Semester I & II

S. No.	Subject	Instruc - tional Hours	No. of Faculty members required	Faculty Qualification requirements
1.	Core Papers	-	-	-
2.	Others			
TOTAL				

Second year : Semester III & IV

S. No.	Subject	Instruc - tional Hours	No. of Faculty members required	Faculty Qualification requirements
1.	Core Papers			
2.	Others	-	-	-
TOTAL				



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CHECKLIST OF RESOURCES

1. FACULTY RESOURCES (BBM Non IT course)

Working Hour Norms:

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

UG PROGRAMME:

BBM

First year : Semester I & II

S. No.	Subject	Instruc - tional Hours	No. of Faculty members required	Faculty Qualification requirements
1.	Language I and II	06	1	P.H with M.Phil
2.	English I and II	06	1	SLET/NET in
3.	Core Papers	10	1	60 subjects concerned
4.	Allied Papers - A	6	-	-
5.	Foundation Course A (General Awareness)	2	-	-
TOTAL		30	3	

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	20	2	MBA with M.Phil/SLET/NET
4.	Allied Papers - B	5	-	-
5.	Foundation Course B	2	-	-
6.	Diploma Courses	3	-	-
TOTAL		30	2	

Third year : Semester V & VI

S. No.	Subject	Instruc - tional Hours	No. of Faculty members required	Faculty Qualification requirements
1.	Core Papers	27	2	MBA with NET/SET/MAHU
2.	Diploma Courses	3		
TOTAL		30	2	

PG PROGRAMMES:

First year : Semester I & II

S. No.	Subject	Instruc - tional Hours	No. of Faculty members required	Faculty Qualification requirements
1.	Core Papers	-	-	-
2.	Others	-	-	-
TOTAL		-	-	-

Second year : Semester III & IV

S. No.	Subject	Instruc - tional Hours	No. of Faculty members required	Faculty Qualification requirements
1.	Core Papers	-	-	-
2.	Others	-	-	-
TOTAL		-	-	-



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CHECKLIST OF RESOURCES

32L

29-2-2008

1. FACULTY RESOURCES

Working Hour Norms:

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

UG PROGRAMME: B.C.A.

First year : Semester I & II

S. No.	Subject	Instruc - tional Hours	No. of Faculty members required	Faculty Qualification requirements
1.	Language I and II	6+6	1	
2.	English I and II	6+6	1	
3.	Core Papers	12+10	1	
4.	Allied Papers - A	4+6	1	
5.	Foundation Course A (General Awareness)	2+2	—	
TOTAL		30+30	4	

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	19+18	2	
4.	Allied Papers - B	6+6	1	
5.	Foundation Course B	2+2	—	
6.	Diploma Courses	3+4	—	
TOTAL		30+30	3	

Third year : Semester V & VI

S. No.	Subject	Instruc - tional Hours	No. of Faculty members required	Faculty Qualification requirements
1.	Core Papers	27+26	2	
2.	Diploma Courses	3+4	-	
TOTAL		30+30	2	

PG PROGRAMMES:

First year : Semester I & II

S. No.	Subject	Instruc - tional Hours	No. of Faculty members required	Faculty Qualification requirements
1.	Core Papers			
2.	Others	Not Applicable		
TOTAL				

Second year : Semester III & IV

S. No.	Subject	Instruc - tional Hours	No. of Faculty members required	Faculty Qualification requirements
1.	Core Papers			
2.	Others	Not Applicable		
TOTAL				

M Com CA
12/12/2008

Annexure : 560
SCAA : 29.02.2008

**CHECK LIST OF FACILITIES TO BE CREATED BY THE COLLEGES FOR
STARTING M.Com (CA) COURSE**

1. **LIBRARY BOOKS** (assuming one section in each year)
 - ❑ For each subject 10 different titles / authors and 3 copies in each title / author.
 - ❑ If there is additional section then there should be 50% extra books.
2. **JOURNALS / PERIODICALS / MAGAZINES** (Including Economics, Management and Computer Science related Journals).
 - 10 different Journals / Magazines / Periodicals
3. **STAFF**

M.Com.(Computer Applications)	I year	II year
Lecturer with M.Com	1	1
Lecturer with M.Com with PGDCA / M.Sc. [FCA] / M.Com [CA]	1	1
Lecturer with MCA qualification preferably with B.Com / B.Com [CA] / B.Com [e-Com]	1	-
Computer lab Technician / Programmer	1	-

Working Hours Norms

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

4. EQUIPMENTS

- ❖ **To be available in HOD Room**
 - ❑ One Pentium IV Computers, One printer , One UPS and Internet connectivity
 - ❑ Windows XP / Windows 2000 / Vista / Office 2007
 - ❑ Tally Accounting Package, Statistical Package and other subject related packages required for effective teaching of the subjects.
- ❖ **To be available in Staff Room**
 - ❑ Two Pentium IV Computers, One printer , One UPS and Internet connectivity
 - ❑ Windows XP / Windows 2000 / Vista / Office 2007
 - ❑ Tally Accounting Package, Statistical Package and other subject related packages required for effective teaching of the subjects.
- ❖ **To be available in Class Room**
 - LCD Projector and White board in each class room.
 - Adequate lighting, fan and furniture in the class Room
- ❖ **To be Available in the Computer Lab**
 - ❑ At the computer lab to be equipped with adequate number of Pentium IV systems (one for each student) networked with Windows NT / Windows XP / Vista and high speed Internet connection.
 - ❑ Licensed versions of Office 2007, Tally Accounting Package, Statistical Package and other subject related packages required for effective teaching of the subjects.

- ✓ Computer Student Ratio = 1:1
 - ✓ Area Required = 20 Sq.ft.per student
 - ✓ One Server with 3 Ghz or More
 - ✓ UPS with sufficient backup facilities
 - ✓ LCD Projector
 - ✓ Scanner
 - ✓ DVD Writer
- Stock register showing the details of equipments to be maintained by the Department of Commerce with Computer Applications.

5. STAFF ROOM

- ❖ Separate department in the name of Department of Commerce - Computer Applications for M.Com (Computer Applications) course is essential.
- ❖ Staff room to be provided with adequate lighting, fan and furniture.

6. OTHER FACILITIES

A seminar hall (adequate for at least 300 students) with Audio- Video facilities and Xerox facilities should be available in the college (Common for all the courses in the college).



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CHECKLIST OF RESOURCES

29-D
29-2-20

1. FACULTY RESOURCES

Working Hour Norms:

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

UG PROGRAMME:

PG - BioCHEMISTRY (M.Sc)

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			
4.	Allied Papers - A			
5.	Foundation Course A (General Awareness)			
TOTAL				

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			
4.	Allied Papers - B			
5.	Foundation Course B			
6.	Diploma Courses			
TOTAL				

Third year : Semester V & VI

S. No.	Subject	Instruc - tional Hours	No. of Faculty members required	Faculty Qualification requirements
1.	Core Papers			
2.	Diploma Courses			
TOTAL				

PG PROGRAMMES:

M. Sc Biochemistry

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 <i>Diploma</i>	6		
TOTAL		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		
TOTAL		60		

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

M.Sc (CS)

Remakrishna College
No 4
09 FEB
US * Coimbatore

BHARATHIAR UNIVERSITY : COIMBATORE

INFRASTRUCTURAL FACILITIES TO BE CREATED BY THE AFFILIATED
COLLEGES TO START NEW COURSE
MASTER OF SCIENCE (M.Sc. COMPUTER SCIENCE)

CHECKLIST

1 Year

I LIBRARY:

(a) Text, Reference Books and the number of copies required:

- (i) Atleast two copies of all the text books and atleast one copy of all the reference books prescribed in the syllabus for first year subjects.
- (ii) In addition to the text and reference books, a minimum of five books with different authors/titles for each subject, preferably published/reprinted after 1995.

(b) List of Journals

A minimum of six numbers of Foreign Journals/Magazines such as ACM, IEEE Computer Graphics, PC World, IEEE Computer Magazine, IEEE Software Engineering, IEEE Industrial Applications, BYTE, Chip, IEEE Databases, IEEE Networks, C and C++ User Manual, IEEE spectra, Dr.Dobb's Journal, etc.

(All the books and journals must be given accession number and stock register must be maintained)

II STAFF FOR MAJOR SUBJECTS :

Number of Teaching Staff required : Two Lecturers in Computer Science

All teaching staff members shall possess the qualifications prescribed by the University and shall obtain the qualification approval from the University as soon as the course is granted.

III LAB TECHNICIANS AND OTHER LAB STAFF :

- (a) Number of Technicians required : One Senior Technician
- (b) Qualification with branch of study :
- B.Sc. in Computer Science/Computer Technology with two years of experience
(or)
- Diploma in Computer Technology / Electronics and Communication Engineering with five years of experience

IV FURNITURE FOR COMPUTER LABORATORY:

- (i) Area of Laboratory : 20 Sqft per Candidate
- (ii) Laboratory Table Size and other furniture required:
- Minimum Table size : 2 ½ X 2 ½ Sq.ft.
Per terminal / printer
- Number of tables : 25 (if the sanctioned Strength(N) is 20)
- Number of chairs : 25

(All furniture should be numbered with paint and entered in the stock register)

V LAB EQUIPMENTS:

- (i) Hardware Requirement : High End Computing File Server with Novell Netware 4.11/Intranetware/Windows-NT 4.0 with N+5 nodes, if the sanctioned strength is N.
- One printer for every 10 terminals
- (ii) Software Requirement : Licensed copy of C++

(Original Invoice and stock register must be produced to the Inspection Commission for verification)

VI OTHER INSTALLATION :

- (i) A/C : Minimum of one tonne for 200 sqft.
- (ii) UPS : Minimum 3 KVA with 1 hour backup for File Server and a few terminals
- (iii) Generator : Preferable to have one generator with 10 KVA capacity.

(i) Requirement of Power Supply for Computer Systems:

Main Server (including color monitor+CPU)	: 350W
Each Terminal (monitor + CPU)	: 250W
Each Scanner	: 100W
Each Dotmatrix printer	: 100W
Each Laser Printer	: 1 KVA

VII OTHER ACCESSORIES:

Over Head Projector (OHP) should be made available for the class room teaching.

VIII ANY OTHER FACILITIES REQUIRED:

Seminar Hall with atleast

- (i) OHP
- (ii) Screen
- (iii) Audio facilities
- (iv) TV and VCR

BHARATHIAR UNIVERSITY : COIMBATORE

INFRASTRUCTURAL FACILITIES TO BE CREATED BY THE AFFILIATED COLLEGES TO START NEW COURSE MASTER OF SCIENCE (M.Sc. COMPUTER SCIENCE)

CHECKLIST

II Year

I LIBRARY:

(a) Text, Reference Books and the number of copies required:

(iii) Atleast two copies of all the text books and atleast one copy of all the reference books prescribed in the syllabus for second year subjects.

(iv) In addition to the text and reference books, a minimum of five books with different authors/titles for each subject, preferably published/reprinted after 1995.

(b) List of Journals

A minimum of six numbers of International Journals/Magazines in Computer Science such as IEEE Data Engineering, IEEE Multimedia, IEEE Parallel Processing, IEEE Expert, IEEE Neural Networks, IEEE Fuzzy Systems, IEEE Simulation Modelling, IEEE Knowledge Based Systems, etc.

(All the books and journals must be given accession number and stock register must be maintained)

II STAFF FOR MAJOR SUBJECTS :

Number of additional Teaching Staff required :

- (i) One Reader / Lecturer (Selection Grade)
- (ii) Two Lecturers

All teaching staff members shall possess the qualifications prescribed by the University and shall obtain the qualification approval from the University as soon as the course is granted.

III LAB TECHNICIANS AND OTHER LAB STAFF :

(a) Number of Technicians required : One Technician / Programmer

(b) Qualification with Branch of Study :

B.Sc. in Computer Science/Computer Technology
(or)

Diploma in Computer Technology / Electronics and
Communication Engineering with two years of experience

IV FURNITURE FOR COMPUTER LABORATORY:

The existing furniture purchased for First year M.Sc. can be utilised.

V LAB EQUIPMENTS:

- (i) Hardware Requirement : The existing hardware purchased for First year M.Sc. can be utilised.
- (ii) Software Requirement : Licensed copy of Visual Basic/Visual C++/ Visual Foxpro/ Power Builder, Oracle/Sybase/ Ingres/ Informix/ MS-SQL/MS-Access (With latest Versions)

(Original Invoice must be produced to the Inspection Commission for verification)

VI OTHER INSTALLATION :

The existing equipments purchased for First year M.Sc. can be utilised.

VII OTHER ACCESSORIES:

In addition to the accessories purchased during First year, atleast one LCD Projector is needed.

VIII ANY OTHER FACILITIES REQUIRED:

In addition to the facilities made during First year, Internet facility is preferable.



BHARATHIAR UNIVERSITY

Established by the Bharathiar University Act 1981

Accredited with 'A' Grade by NAAC

Coimbatore - 641 046

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29.2.2008



M.Sc (Micro)

CHECKLIST OF RESOURCES

1. FACULTY RESOURCES

M.Sc. Microbiology

Working Hour Norms:

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

UG PROGRAMME:

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			
4.	Allied Papers - A			
5.	Foundation Course A (General Awareness)			
TOTAL				

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			
4.	Allied Papers - B			
5.	Foundation Course B			
6.	Diploma Courses			
TOTAL				

Third year : Semester V & VI

S. No.	Subject	Instruc - tional Hours	No. of Faculty members required	Faculty Qualification requirements
1.	Core Papers			
2.	Diploma Courses			
TOTAL				

PG PROGRAMMES:

First year : Semester I & II

S. No.	Subject	Instruc - tional Hours	No. of Faculty members required	Faculty Qualification requirements
1.	Core Papers	45+37½	1+4	
2.	Others	7½	-	
TOTAL		90	5	

Second year : Semester III & IV

S. No.	Subject	Instruc - tional Hours	No. of Faculty members required	Faculty Qualification requirements
1.	Core Papers	52½	1+3	
2.	Others	15	1	
TOTAL		67½	5	

7.3 Post Graduate Degree Programme

Programme	Faculty: Student based on Approved Intake	Principal/ Director	Professor	Associate Professor	Assistant Professor	Total
		A	B	C	D	A+B+C+D
*Engineering and Technology	1:12	-	$\frac{S}{12 \times R}$	$\frac{S}{12 \times R}$	$\frac{S}{12 \times R}$	$\frac{S}{12}$
*Pharmacy						
M.Pharm.	1:10	-	$\frac{S}{10 \times R}$	$\frac{S}{10 \times R}$	$\frac{S}{10 \times R}$	$\frac{S}{10}$
Pharm. D.	1:15	-	$\frac{S}{15 \times R}$	$\frac{S}{15 \times R}$	$\frac{S}{15 \times R}$	$\frac{S}{15}$
*Architecture and Planning						
a. Architecture	1:8	-	$\frac{S}{8 \times R}$	$\frac{S}{8 \times R}$	$\frac{S}{8 \times R}$	$\frac{S}{8}$
b. Planning	1:10	-	$\frac{S}{10 \times R}$	$\frac{S}{10 \times R}$	$\frac{S}{10 \times R}$	$\frac{S}{10}$
*Applied Arts and Design						
a. Applied Arts and Crafts	1:10	-	$\frac{S}{10 \times R}$	$\frac{S}{10 \times R}$	$\frac{S}{10 \times R}$	$\frac{S}{10}$
b. Design	1:7.5	-	$\frac{S}{7.5 \times R}$	$\frac{S}{7.5 \times R}$	$\frac{S}{7.5 \times R}$	$\frac{S}{7.5}$
*Hotel Management and Catering Technology	1:12	-	$\frac{S}{12 \times R}$	$\frac{S}{12 \times R}$	$\frac{S}{12 \times R}$	$\frac{S}{12}$
#MCA	1:20	1	$\frac{S}{20 \times R} - 1$	$\frac{S}{20 \times R} \times 2$	$\frac{S}{20 \times R} \times 6$	$\frac{S}{20}$
#MBA/ PGDM	1:20	1	$\frac{S}{20 \times R} - 1$	$\frac{S}{20 \times R} \times 2$	$\frac{S}{20 \times R} \times 6$	$\frac{S}{20}$

S - Sum of the number of students as per "Approved Intake" for all years
 *R = (1+1+1), In case of non-availability of qualified Professor, an Associate Professor may be considered.
 #R = (1+2+6)

In Integrated Planning Course, Faculty requirement is 1:16 for the first three years and 1:10 for the next two years.

Cadre Ratio shall be 1:2:6 (Not applicable to Diploma Level).

However, Institutions Deemed to be Universities/ Institutions having Accreditation/ Autonomy status shall maintain a better Cadre ratio.

