SRI RAMACHANDRA

INSTITUTE OF HIGHER EDUCATION AND RESEARCH
(DEEMED UNIVERSITY)

Porur, Chennai 600 116

REGULATIONS ON

CHOICE BASED CREDIT SYSTEM (CBCS, 2015 - 16)
for UG and PG Degree Programs

REVISED FOR THE ACADEMIC YEAR, 2019 – 2020

IMPORTANT NOTE:

THE REGULATIONS ON CBCS CONTAINS THE GENERAL REGULATIONS AND GUIDELINES FOR ALL PROGRAMS OFFERED UNDER CBCS PATTERN OF THE DU.   IN ADDITION, STUDENTS SHOULD REFER TO THE REGULATIONS OF AND SYLLABUS WHICH ARE APPLICABLE AND PERTAINING TO THE CBCS PROGRAM THAT THEY HAVE JOINED AND UNDERGOING. THE GENERAL RULES AND REGULATIONS WITH REGARD TO 'STUDENT DISCIPLINARY RULES, PAYMENT OF TUITION FEES AND UNIVERSITY EXAMINATION FEE RULES' DESCRIBED IN THE STUDENTS MANUAL, 2018- 2019 SHALL BE APPLICABLE.

"The above Regulations shall be applicable to all students already admitted and to be admitted to a course of study in this Deemed University."

Updated, 2019

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SRI RAMACHANDRA
INSTITUTE OF HIGHER EDUCATION AND RESEARCH
(DEEMED to be UNIVERSITY)

REGULATIONS ON
"CHOICE BASED CREDIT SYSTEM - 2015"

In exercise of the powers conferred by rule 12.1(iv) of the Memorandum of Association & Rules and clause 21 of Bye-Laws of SRI RAMACHANDRA INSTITUTE OF HIGHER EDUCATION AND RESEARCH (DU), Porur, Chennai-600 116, the Academic Council of the University hereby makes the following Regulations:

SHORT TITLE AND COMMENCEMENT:

These Regulations shall be called **"THE REGULATIONS ON CHOICE BASED CREDIT SYSTEM (CBCS) - 2015 SRI RAMACHANDRA INSTITUTE OF HIGHER EDUCATION AND RESEARCH (DU), PORUR, CHENNAI - 600116"**

These Regulations shall come into force from the academic year 2015-2016, i.e., for the students getting admitted under the various Undergraduate and Postgraduate programs under the Faculties of Biomedical Sciences & Technology, Allied Health Sciences, Physiotherapy, Public Health and Management, Sports & Excercise Sciences, Clinical Research. Sri Ramachandra Medical College and Research Institute, College of Pharmacy, College of Nursing and Dental College and Hospital are supporting the CBCS model by offering the generic electives and ability enhancement courses.

1. Preamble

The Chairman, University Grants Commission (UGC) has in his letter D.O.No.F.1-1/2015 (CM) dated 8th January, 2015 has communicated the decision of the Ministry of Human Resources Development to implement Choice Based Credit System (CBCS) from the academic session 2015-2016 in all Indian Universities to enhance academic standards and quality in higher education through innovation and improvements in curriculum, teaching-learning process, examination and evaluation systems.

Diversity in the system of higher education, and multiple approaches followed by universities towards curriculum, examination, evaluation and grading system has led to the lack of uniformity. While the Universities must have the flexibility and freedom in designing the examination and evaluation methods that best fits the curriculum, syllabi and teaching–learning methods, there is a need to devise a sensible system for awarding the grades based on the performance of students. Presently the performance of the students is reported using the conventional system of marks secured in the examinations or grades or both. The conversion from marks to letter grades and the letter grades used vary widely across the Universities in the country. This creates difficulty for the academia and the employers to

understand and infer the relative performance of the students graduating from different universities and colleges in the country. Hence the UGC has recommended the implementation of CBCS in Universities.

The grading system is considered to be better than the conventional marks system and hence it has been followed in the top institutions in India and abroad. Introduction of a uniform grading system will facilitate student mobility across institutions within and across countries and also enable potential employers to assess the performance of students. To bring in the desired uniformity, in grading system and method for computing the cumulative grade point average (CGPA) based on the performance of students in the examinations, the UGC has formulated the guidelines and communicated it to all Universities for adoption.

UGC, subsequently, in its notification No.F.1-1/2015 (Sec.) dated 10/4/15 has provided a set of 'Model curricula and syllabi for CBCS program under the Faculties of Arts, Humanities and Sciences providing the academic flexibility for Universities to make changes/ innovation upto 20% in the syllabi of these program. It has also specified that all UG program should be for a minimum of three years duration. UG Program with 120-140 credits in the 180 annual teaching days system shall be designated as regular B.A/B.Sc./B.Com., B.B.A etc., Those UG programs with 140-160 credits or more with fully supported higher number of annual teaching days can be designated as B.A (Hons)/ B.Sc.(Hons) /B.B.A(Hons)/B.Com(Hons) etc.,

SRI RAMACHANDRA INSTITUTE OF HIGHER EDUCATION AND RESEARCH (Deemed to be University), re-accredited at 'A' Grade level with the highest CGPA of 3.62/4.00. It has also been ranked 40th under the NIRF, 2018 ranking for all universities in India. The institution has taken the proactive lead in bringing about the academic reform of introducing CBCS for the programs offered under the Faculties of Biomedical Sciences & Technology, Allied Health Sciences, Physiotherapy, Management, Public Health, Sports & Excercise Sciences, and Clinical Research after approval of the Statutory Council, wherever necessary.

2. CBCS – Definition and benefits:

Choice Based Credit System is a flexible system of learning. The distinguishing features of CBCS are the following:

- It permits students to learn at their own pace.
- Choose electives from a wide range of elective courses offered by the other University Departments.
- Undergo additional courses and acquire more than the required number of credits.
- Adopt an inter-disciplinary and intra-disciplinary approach in learning.
- Make best use of the available expertise of the faculty across the departments or disciplines
- Has an inbuilt evaluation system to assess the analytical and creativity skills of students in addition to the conventional domain knowledge assessment pattern.

3. **Definitions of Key Words**:

 i. **Academic Year**: Two consecutive (one odd + one even) semesters constitute one academic year.

 ii. **Choice Based Credit System (CBCS):** The CBCS provides choice for students to select from the prescribed courses (core, elective or minor or soft skill courses).

 iii. **Course**: Usually referred to, as 'papers' is a component of a program. All courses need not carry the same weight. The courses should define learning objectives and learning outcomes. A course may be designed to comprise lectures/ tutorials/laboratory work/ field work/ outreach activities/ project work/ vocational training/viva/ seminars/ term papers/assignments/ presentations/ self-study etc. or a combination of some of these.

 iv. **Credit Based Semester System (CBSS)**: Under the CBSS, the requirement for awarding a degree or diploma or certificate is prescribed in terms of number of credits to be completed by the students.

 v. **Credit Point**: It is the product of grade point and number of credits for a course.

 vi. **Credit**: A unit by which the course work is measured. It determines the number of hours of instructions required per week. One credit is equivalent to one hour of teaching (lecture or tutorial) or two hours of practical work/field work per week.

 vii. **Cumulative Grade Point Average (CGPA)**: It is a measure of overall cumulative performance of a student over all semesters. The CGPA is the ratio of total credit points secured by a student in various courses in all semesters and the sum of the total credits of all courses in all the semesters. It is expressed up to two decimal places.

 viii. **Grade Point**: It is a numerical weight allotted to each letter grade on a 10-point scale.

 ix. **Letter Grade**: It is an index of the performance of students in a said course. Grades are denoted by letters O, A+, A, B+, B, C, D and RA

 x. **Program**: An educational program leading to award of a Degree, diploma or certificate.

 xi. **Semester Grade Point Average (SGPA)**: It is a measure of performance of work done in a semester. It is ratio of total credit points secured by a student in various courses registered in a semester and the total course credits taken during that semester. It shall be expressed up to two decimal places.

 xii. **Semester**: Each semester will consist of 100 working days. The odd semester may be scheduled from June/ July to December and even semester from December/ January to June.

 xiii. **Grade Card or Certificate:** Based on the grades earned, a grade certificate shall be issued to all the registered students after every semester. The grade certificate will

        display the course details (code, title, number of credits, grade secured) along with SGPA of that semester and CGPA earned till that semester.

xiv. **Transcript:** Based on the credits earned, a transcript shall be issued to all the registered students after the completion of the program indicating the hours of study and structure of the curriculum delivery as prescribed in his curriculum and completed by the student. The transcript will display the course details, including course code, title, number of credits, hours and type of contact hours in a semester.

xv. **Clinical rotation/ clinical training**: Is provided within the hospital rounds; it is part of Course work/ semester

xvi. **Internship**: Is full-time on the job supervised training; usually offered after necessary contact hours i.e., as prescribed by UGC for full- time UG/ PG teaching programs is completed)

xvii. **Summer training/ in- plant training**: Is provided during the program but outside their contact hours e.g., 15- 20 days of vacation training. Posted within this (DU) or outside. It may be used to gain additional credits in grade card (Credits 2-3).

4. Semester System and Choice Based Credit System

        The semester system accelerates the teaching-learning process and enables vertical and horizontal mobility of students in learning. The credit based semester system provides flexibility in designing curriculum and assigning credits based on the course content and hours of teaching. The choice based credit system provides a 'cafeteria' type approach in which the students can take courses of their choice, learn at their own pace, undergo additional courses and acquire more than the required credits, and adopt an interdisciplinary approach to learning.

5. Semesters:

5.1. An academic year consists of two semesters.

	UG	PG
Odd Semester 1st semester	July – December	July – December
Odd Semester 3$_{rd}$, 5$_{th}$, 7$_{th}$ semesters	June – October/ November	
Even Semester 2$_{nd}$, 4$_{th}$, 6$_{th}$, 8$_{th}$ semesters	December –April	December - June

5.2. The annual working days for CBCS would be 200 working days.

6. Credits:

6.1. Credit defines the quantum of contents/syllabus prescribed for a course and determines the number of hours of instruction required per week. Thus, normally in each of the courses, credits will be assigned on the basis of the number of lectures/ tutorial / laboratory work and other forms of learning required, to complete the course contents in a 15-20 week schedule:
- 1 credit = 1 hour of lecture per week (1 Credit course = 15 hours of lectures per semester)
- 3 credits = 3 hours of instruction per week (3 Credit course = 45 hours of lectures per semester)

6.2. Credits will be assigned on the basis of the lectures (L) / tutorials (T) / Clinical Training (CR) / laboratory work (P) / Research Project (RP) and other forms of learning in a 15-20 week schedule

- L - **One credit** for **one hour** lecture per week (1 credit course = 15 hours)
- P/T - **One credit** for every **two hours** of laboratory or practical (1 credit course = 30 hours)
- CR - **One credit** for every **three hours** of Clinical training/Clinical rotation/posting (1 credit course = 45 hours)
- RP - **One credit** for every **two hours** of Research Project per week – Max Credit 20-25 for PG dissertations (1 credit course = 30 hours)

	Lecture - L	Tutorial - T	Practical - P	Clinical Training/ Rotation – CT/CR	Research Project – RP*
1 Credit	1 Hour	2 Hours	2 Hours	3 Hours	2 Hours
RP*	Maximum Credit 20 – 25 / Semester for PG				

7. Types of Courses:

Courses in a program may be of three kinds:
- **Core Course**
- **Elective Course**
- **Ability Enhancement Course (Foundation Courses)**

7.1 **Core Course**: A course, which should compulsorily be studied by a candidate as a core requirement is termed as a Core course. There may be a **Core Course** in every semester. This is the course which is to be compulsorily studied by a student as a core requirement to complete the program of study in a said discipline..

7.2 **Elective Course**: Generally a course which can be chosen from a pool of courses and which may be very specific or specialized or advanced or supportive to the discipline/ subject of study or which provides an extended scope or which enables an exposure to some other discipline/subject/domain or nurtures the candidate's proficiency/skill is called an Elective Course.

7.2.1 Discipline Specific Elective (DE) Course: Elective courses offered by the main discipline/subject of study are referred to as Discipline Specific Elective. The University / Institute may also offer discipline related Elective courses of interdisciplinary nature. An elective may be **"Discipline Specific Electives (DE)"** focusing on those courses which add generic proficiency to the students.

7.2.2 Dissertation / Project: An Elective/Core course designed to acquire special / advanced knowledge, such as supplement study / support study to a project work, and a candidate studies such a course on his own with an advisory support by a teacher / faculty member is called dissertation / project**.**

7.2.3 Generic Elective (GE) Course: An elective course chosen generally from an unrelated discipline/subject, with an intention to seek exposure is called a Generic Elective.

- Number of GE/DE/AE/SE shall be as per UGC model curricula [10- 15% of total credits] i.e., 4 GE and 2 SEs for a B Sc (Hons) prog**ra**m
- Elective course syllabii must be passed in the Boards of Studies of the respective course offering departments.
- AE electives can be offered in semester one of a UG program while Generic electives be offered from the **second semester** onwards.

P.S.: A core course offered in a discipline / subject may be treated as an elective by other discipline / subject and *vice versa* and such electives may also be referred to as Generic Elective.

7.3 Ability Enhancement Courses (AEC): The Ability Enhancement (AE) Courses may be of two kinds: Ability Enhancement Compulsory Courses (AECC) and Skill Enhancement Courses (SEC).

7.3.1 "AECC" courses are the courses based upon the content that leads to Knowledge enhancement (i) Environmental Science and (ii) English/MIL Communication. These are mandatory for all disciplines and offered from semester one of a UG program.

7.3.2 Skill Enhancement Courses (SEC): SEC courses are value-based and/or skill-based and are aimed at providing hands-on-training, competencies, skills, Indian and foreign languages etc. These courses may be chosen from a pool of courses designed to provide value-based and/or skill-based knowledge.

7.4. Assigning Credit Hours per Course: While there is flexibility for the departments in allocation of credits to various courses offered, the general formula would be:

- All core course should be restricted to a maximum of 4 credits
- All electives should be restricted to a maximum of 3 credits
- All ability enhancement course should be restricted to a maximum of 2 credits
- PG dissertations should be restricted to a maximum of 20-25 credits
- Clinical rotation/ clinical training: Credits range from 3-5 [hrs 90 to 150 hrs]

Any course requiring more than 4 credit hours for covering the syllabus content can be divided into two courses i.e., 6 Credits Course 1 - 3 credits + Course 2 – 3 credits or 6 Credits Course 1 Theory - 4 credits + Course 2 Lab – 2 credits. The possible combination is suggested below.

The credits assigned to the course is indicated as L:T:P format. For a 4 credit course format could be:

$$4:0:0 \quad 1:2:1 \quad 1:1:2 \quad 1:0:3 \quad 1:3:0$$
$$2:1:1 \quad 2:2:0 \quad 2:0:2 \quad 3:1:0 \quad 3:0:1$$
$$0:2:2 \quad 0:4:0 \quad 0:0:4 \quad 0:1:3 \quad 0:3:1$$

The concerned BOS will choose the convenient credit pattern for every course based on the requirement. However, generally a course shall be assigned 3 or 4 credits.

Credit for Courses with Theory and Lab components

Model: I -								
First Year – Semester – I								
Course Number	Course Code	Course Title	Result in Group (RG)	L	T	P	**C**	**Total Hours**
1	UAH 15CT 101[a]	Anatomy	**A**	4	-	**-**	**4**	60
8	UAH 15CL 151[b]	Anatomy Lab	**A**	-	**-**	2	**2**	60
	Different course code for theory and lab for programs: Courses in programs wherein Theory and Lab are assessed jointly (results in group, RG), the passing minimum (40% for UG and 50% for PG programs) for the theory exams and lab exams have to be obtained separately, in order to be declared passed in the individual courses. This option is in place to fulfill the credit value of 4 as defined in 7.4. Both course components theory and lab should have similar titles. (i.e., Anatomy).								

Model: II								
First Year – Semester – I								
Course Number	Course Code	Course Title	L^c	T	P^d	**C**	**Total Hours**	
2	PHG 15CT 103	Biochemical Genetics	3	-	1	**4**	**75**	
	Common course code for theory and lab for clinical/ non-clinical programs: Courses wherein Theory and Lab (Practical) are transacted together as shown in credits assigned above; end – semester university examinations will be conducted in both the theory (L^c) and practicals (P^d) examinations. Obtaining the passing minimum (40% for UG and 50% for PG programs) in each of the university examinations is necessary to be declared passed in that course. Failing in any one of the components is treated as reappear in the entire course.								

Model: III								
First Year – Semester – I								
Course Number	Course Code	Course Title	L	T	P	**C**	**Total Hours**	
2	PHG 15CT 103[a]	Biochemical Genetics	4	-	-	**4**	**60**	
4	PHG 15CL 151[b]	Biochemistry – Analytical techniques	-	-	4	**4**	**120**	
	Different course code for theory and lab for non-clinical programs: Programs wherein Theory and Lab are assessed separately the passing minimum (40% for UG and 50% for PG programs) for each course is independent. Passing (a) is independent of (b) and *vice versa*.								

7.5 Assigning total Credits for a Program: The UGC, in its notification No.F.1-1/2015 (Sec.) dated 10/4/15 has provided a set of 'Model curricula and syllabi for CBCS programs. [Published on 10-04-2015 on UGC website; 'MINIMUM COURSE CURRICULUM FOR UNDERGRADUATE COURSES UNDER CHOICE BASED CREDIT SYSTEM' and 'Instructional Template for Facilitating Implementation] of Choice Based Credit System (CBCS)' In conformation with this notification, the following guidelines for credits shall be followed.

Program level *	Duration (years)	Minimum Credits for Programs at this DU
UG- B Sc	3 years	130 - 140
UG- B Sc	4 YEARS	150
UG- B Sc (Hons)	4 YEARS	160
PG- M Sc / MBA	2 years	80- 90

Note: The minimum number of years of study and nomenclature of the degrees shall be as per the Gazette notification on 'Specification of Degree' 5th July 2014.
(https://www.ugc.ac.in/pdfnews/1061840_specification-of-degrees-july-2014.pdf)
(https://www.ugc.ac.in/oldpdf/regulations/specificationofDegrees.pdf**)**

These guidelines are applicable for all programs appearing for BoS in 2019.

7.6 Credit value per course & structure of syllabus:

To ensure uniformity in assigning the credits to a course, a structured and unitized syllabus shall be observed. For UG, PG & Integrated Programs each course will be provided a structured syllabus in the following format:

a) Title of the Course
b) Learning Objectives
c) Learning Outcomes
d) Specified Units for various category of courses as in table below.
e) Unitized Syllabus Content
f) References
    a. Text Books – 2
    b. Reference Books – 2
    c. Web Resources – 2 Web Portals

Minimum credit allocation for a course is as per the curriculum designed by the department.

Guidelines for Unitization in correlation to credits with assessments for IA courses

Category	Credits	Syllabus units	
		UG	PG
Core (CT)	3 – 4	6	7
Core Lab (CL)	2 – 4	10- 15 experiments/ cases/ spotters/competencies	10- 15 experiments / cases/competencies
Discipline Specific elective (DE)	3	5	6
Discipline Specific elective with Lab (DL)	3 with 1 credit for practicals	5 with 1 lab unit	5 with 1 unit of practicals
Generic Elective (GE)	3	4	4
Generic Elective Lab (GL)	3	7- 8 excercises	7—8 excercises
Ability enhancement (AE)	2	4	5
Skills enhancement (SE)/ (SL)- theory or practicals	2	4	5
Clinical rotation (CR)	3-5	Structured monitoring and assessment	
Core Projects (RP)	8-25	8 credits (**group**) Structured monitoring and assessment of CIA and inter - departmental assessments of Viva examinations	Dissertation (10- 25 credits; individual) Structured monitoring and assessment of CIA components
Internship (IN)	Credits- 10- 15 [Minimum 35 contact hrs /week for 15 weeks] {after completing contact hours for a program}	Structured monitoring and assessment	
Summer training/ in - plant training (ST)	Credits 2-3	Is provided during the program but outside their contact hours e.g., 15- 20 days of vacation training. Posted within this (DU) or outside. It may be used to gain additional credits in mark sheets	

8.0 Sri Ramachandra Institute of Higher Education and Research (DU)– CBCS Programs Coding System:

Choice Based Credit System (CBCS)- Program List (2019 - 2020)

S. No.	Faculty Code	UG/PG/ IN/DP	Degree	Program Name	Programme Code	Course Code
8.1. FACULTY AND PROGRAM CODE						
Faculty of Allied Health Sciences [A]						
1.	**AHS**	UG	B Sc. (Hons)	Allied Health Science	AUAH	**AH**
2.	**AHS**	UG	B. Sc.	Trauma Care Management	AUTC	**TC**
3.	**AHS**	UG	B. OPTOM	Optometry	AUOP	**OP**
4.	**AHS**	UG	B. Sc.	Clinical Nutrition	AUNT	**NT**
5.	**AHS**	UG	B Sc (Hons)	Medical Microbiology & Applied Molecular Biology	AUMM	**MM**
6.	**AHS**	PG	M. Sc.	Medical Imaging Technology	APMI	**MI**
7.	**AHS**	PG	M. Sc.	Neurosciences	APNS	**NS**
8.	**AHS**	PG	M.Sc.	Renal Sciences & Dialysis Technology	APRS	**RS**
9.	**AHS**	PG	M. Sc.	Medical Laboratory Technology	APML	**ML**
10.	**AHS**	PG	M. Sc.	Clinical Nutrition	APCN	**CN**
11.	**AHS**	PG	M. Sc.	Trauma Care Management	APEC	**EC**
12.	**AHS**	PG	M. Sc.	Applied Child Development	APCD	**CD**
13.	**AHS**	PG	M. Sc.	Perfusion Technology	APPF	**PF**
14.	**AHS**	PG	M. Sc.	Urology Technology	APUT	**UT**
15.	**AHS**	PG	M OPTOM	Optometry	APMO	**MO**
16.	**AHS**	PG	M Sc.	Medical Psychology *	APMP	MP
17.	**AHS**	IN	M. Sc.	Medical Radiology and Imaging	AIMR	**MR**

			(5 year)	Technology		
Faculty of Biomedical Sciences, Technology & Research [B]						
18.	**BMS**	UG	B Sc. (Hons)	Biomedical Sciences	BUBM	**BM**
19.	**BMS**	UG	B Sc.	Data Sciences	BUDS	**DS**
20.	**BMS**	UG	B Sc.	Bioinformatics	BUIF	**IF**
21.	**BMS**	UG	B Sc.	Health Informatics	BUHI	**HI**
22.	**BMS**	PG	M Sc.	Biomedical Sciences	BPBB	**BB**
23.	**BMS**	PG	M.Sc.	Biotechnology	BPBT	**BT**
24.	**BMS**	PG	M.Sc.	Human Genetics	BPHG	**HG**
25.	**BMS**	PG	M.Sc.	Medical Bioinformatics	BPBI	**BI**
Faculty of Management [G]						
26.	**MGT**	UG	BBA	Hospital & Health Systems Management	GUHS	**HS**
27.	**MGT**	PG	MBA	Hospital & Health Systems Management	GPHM	**HM**
Faculty of Physiotherapy [T]						
28.	**PST**	UG	BPT	Physiotherapy	TUPT	**PT**
29.	**PST**	PG	MPT	Orthopedics & Traumatology	TPOT	**OT**
30.	**PST**	PG	MPT	Neurosciences	TPNU	**NU**
31.	**PST**	PG	MPT	Cardio Pulmonary Sciences	TPCS	**CS**
32.	**PST**	PG	MPT	Women's Health	TPOG	**OG**
Faculty of Public Health [H]						
33.	**HPH**	UG	B Sc. (Hons)	Environmental Health Sciences	HUEH	EH
34.	**HPH**	PG	M.P.H.	Occupational and Environmental Health	HPPH	**PH**
Faculty of Sports & Excercise Sciences [E]						
35.	SES	UG	B Sc. (Hons)	Sports & Exercise Sciences	EUSS	**SS**
36.	SES	PG	M Sc	Biomechanics *	EPSM	SM
37.	SES	PG	M Sc	Biokinetics *	EPBK	BK
Faculty of Clinical Research [C]						
38.	CRS	UG	B Sc.	Clinical Research	CUCL	CL
39.	CRS	PG	M Sc.	Clinical Research	CPCR	CR

*- Programs to be introduced under the CBCS in 2019

8.2. Code Numbering of the Course component:

The courses listed will be denoted with components of (L-T-P-C) where L, T, P, C refer to the Credits assigned to **L**ecture, **T**utorial, **P**ractical / Laboratory and Total **C**redit under each of the courses. T-column can also include Clinical Training (CR) and similarly P-column can also include Research Project (RP) wherever appropriate. In addition to learning the subject of choice and peripheral subject of use, emphasis shall also be placed on improving communication, language and computer skills of the student.

8.3. Course Numbering pattern:

The course code explains the department where the course is offered and the year and semester in which it is offered. Each course will be numbered as given below:

Course Number	Ten Digit Course Code	Category	Course Title	Credits/ Week			
				Lecture (L)	Tutorial (T) / Clinical Training (CR)	Practical (P) / Research Project (RP)	Credits (C)
3	UBM 15CT 106	Core Theory - 1	Microbiology	4	-	-	**4**
8	UBM 15CL 152	Core Lab - 1	Microbiology	-	-	4	**4**

The above mentioned ten digit course code defines the following details:

S. No.	Code	Details
1.	C. No. 3, 8 Denotes	Course Number for BMS Courses
2.	U/P/I/D Denote	Undergraduate, Postgraduate, Integrated and Diploma program
3.	BM Denotes	Unique Two Digit Code - program specific - Biomedical Science
4.	15	Syllabus Updated Year
5.	CT, CL; DE/ DL; GE / GL; AE, SE/SL, RP, IN, CR	Core Theory (CT), Core Lab (CL), Discipline Specific Elective Theory (DE), Discipline Specific Elective Lab (DL), Generic Elective (GE); Generic Elective LAB (GL) & Ability Enhancement course (AE) & Skill Enhancement course (SE); SL-lab; Research Project [UG] OR Dissertation [PG]- (RP); IN-Internship; Clinical rotation/ training (CR)
6.	106 Denotes	The first digit 1 – for the First Year; the remaining two digits – "06" indicates that it is a course in the even semester theory (and hence it is even number); if lesser than fifty indicate theory course.

7.	152 Denotes	The first digit 1 – for the First Year; the remaining two digits – "52" indicate that it is a course in the Even semester (and hence it is even number); if greater than fifty indicates lab course.
8.	Microbiology	Course / Subject title
9.	L-T-P-C denotes	Lecture, Tutorial, Practical & Total Credits
10.	3-0-1-4 Denotes	The first number indicated it has 3 lecture credits (1 hour of lecture = 1 credit), 0 tutorials credit and 2 hours = 1 credit of practical and the last number indicates the total credit/week (4).

8.4. A model Program coding framework:

Course Number	Ten Digit Course Code	Category	Course Title	Faculty Code	Credits/Week				Hours / Semester		
					Lecture (L)	Tutorial (T)/ Clinical training (CR)	Practical (P)/Research Project (RP)	Credits (C)	Lect. / Tut.	Practical	Total Hours
1	UBM15CT102	Core Theory - 1	Microbiology	BMS	4	-	-	4	60	-	60
2	UBM15CT104	Core Theory - 2	Physiology	BMS	4	-	-	4	60	-	60
3	UBM15DE108	Discipline Specific Elective - 1	Computer in Biology		3	-	-	3	45	-	45
4	UBM15GE110	Generic Elective - 2	To be chosen by student		3	-	-	3	45	-	45
5	UBM15AE112	Ability Enhancement Course -1	Mathematics		2	-	-	2	30	-	30
6	UBM15SE114	Skill Enhancement Courses - 2	To be chosen by student		2	-	-	2	30	-	30
7	UBM15CL152	Core Lab - 1	Microbiology	BMS	-	-	4	4	-	120	120
		Semester- II Total			18	0	4	22	270	120	390

Coding System for Elective/ Ability Enhancement Courses

Elective and Ability Enhancement Courses College Code			
S. No.	College/Faculty	One Letter Code	Three Letter Code
1	Medical	M	MED
2	Dental	D	DEN
3	Nursing	N	NUR
4	Pharmacy	P	PHY
5	Allied Health Sciences	A	AHS
6	Physiotherapy	T	PST
7	Biomedical Sciences	B	BMS
8	Management	G	MGT
9	Public Health	H	HPH
10	Humanities and Social Sciences	S	SSH
11	Sports and Exercise Sciences	E	SES
12	Clinical Research	C	CRS

	Category of Elective Courses Offered Faculty of Allied Health Sciences							
S. No.	Code Number	Course Name	Elective / Foundation	Credit	Semester Odd / Even	Faculty	Department	Level UG/PG/I/D/ Ph.D.
Elective Course								
1.	AGE 001	Personality Development and Stress Management	Generic Elective	3	Even	AHS	Clinical Psychology	UG
2.	AGE 002	Health Psychology	Generic Elective	3	Even	AHS	AHS	PG
3.	AGE 003	Organizational Behaviour	Generic Elective	3	Even	AHS	AHS	PG
Ability Enhancement Course								
1.	AAE 001	English Basic-	Ability Enhancement Compulsory	2	Odd	AHS	English	UG
2.	AAE 004	Environmental Science	Ability Enhancement Compulsory	2	Odd	AHS	Environmental Health Engineering	UG
Skill Enhancement Courses								
1.	ASE 002	Applied Psychology	Skill Enhancement	2	Odd	AHS	Clinical Psychology	UG/PG
2.	BSE 002	Human Rights and Value Education	Skill Enhancement	2	Even	BMS	Biomedical Sciences	UG

S. No.	Code	Detail
1.	A	Faculty Single Letter Code - [AHS]
2.	DE /GE	Discipline Specific Elective (DE) Compulsory elective i.e., courses having relevance to the core course/ Generic Elective (GE) to be selected by the student.
3.	AE / SE	Ability Enhancement Course (AE) i.e., English, Math and Environmental Sciences / Skills Enhancement (SE) Course to be selected by the student.
4.	001…	Unique Number
		Candidate studying in UG can opt for a UG level elective ONLY.
		Students studying the 5 year –Integrated program, such as MRIT choose UG electives during 1-3 semesters and PG electives from 4the semester onwards.
		Electives are open for Ph.D. students to fulfill their course work. The candidates should attend classes during Thursday and or Saturdays for Generic elective courses and Skilled Enhancement courses.
		Credits assigned for Generic Elective is set as 3 and 2 for SE/AE courses such that uniform teaching hours for various programs is ensured.

8.5 Selection of Generic Elective and Skills Enhancement courses:

The students should apply in the prescribed format and should reach the CBCS coordinator before the start of the semester. Electives can be chosen from the list given below and offered at our DU or from the MOOCS/SWAYAM/ NPTEL based online courses. A menu created under the University website [http://www.sriramachandra.edu.in/university/cbcs/] maybe accessed for online pre-registration. All candidates must register online for the courses of the said semester even if the program does not have an elective in the list of courses for the said semester. If a candidate fails to register within seven working days after commencement of semester, he/she will not be registered for all courses of that semester and will be considered as "LONG ABSENT". Admission to the end semester examinations, is on the recommendation by HoDs/ principals made within 15 working days of the start of semester, through Dean of Faculties.

A. LIST OF GENERIC ELECTIVE COURSES OFFERED BY DEPARTMENTS OF THIS DU [Credits = 3]					
S. No.	Elective Code	Title	Department	Semester	UG/PG
Faculty of Allied Health Sciences					
1	AGE001	Personality Development and Stress Management	Clinical Psychology	2,4,6	UG
2	AGE002	Health Psychology	Clinical Psychology	2,4,6	PG
3	AGE003	Organizational Behavior	Clinical Psychology	2,4,6	UG
4	AGE004	Counseling and Guidance	Clinical Psychology	2,4,6	PG
5	AGE005	First Aid Management & Splinting Techniques	Accident and Emergency Medicine	2,4,6	UG
6	AGE006	Airway Management ECG & Emergency Drugs	Accident and Emergency Medicine	1	PG
7	AGE007	Clinical Examination of Visual System	Optometry	1	UG
8	AGE008	Sports Vision	Optometry	3,5,7	UG
9	AGE009	Eye Banking	Optometry	2,4,6	UG
10	AGE010	Visual diagnostic for children with special needs	Optometry	2,4,6	UG
11	AGE011	Functional Foods and Nutraceuticals for Health Promotion	Clinical Nutrition	3,5,7	PG
12	AGE012	Nutrition Support Techniques	Clinical Nutrition	3,5,7	PG
13	AGE014	Occupational Nutrition	Clinical Nutrition	3,5,7	UG
14	AGE015	Malnutrition and Public Health	Clinical Nutrition	2,4,6	UG
15	AGE016	Basics of Food and Nutrition	Clinical Nutrition	1	UG
16	AGE017	Food and Nutrition In Emergencies	Clinical Nutrition	2,4,6	PG
17	AGE018	Exercise Physiology	Arthroscopy and Sports Medicine	2,4,6	UG
18	AGE020	Advanced Exercise Physiology	Arthroscopy and Sports	1	PG

		Medicine		
19	AGE022	Exercise Psychology	Arthroscopy and Sports Medicine	3,5,7	PG
20	AGE023	Basics of Yoga & practice	AHS	1	UG
21	AGE024	Pranayama	AHS	3,5,7	UG
22	AGE028	Noise exposure and its effects	Speech Language & Hearing Science	1	UG
23	AGE029	Basic concepts in Voice and its efficient use	Speech Language & Hearing Science	3,5,7	UG
24	AGE030	Fundamentals of Occupational Health	Environmental Health Engineering	1	UG
25	AGE031	Biomedical Waste Management	Environmental Health Engineering	2,4,6	UG
26	AGE032	Health Behaviour	Clinical Psychology	2,4,6	UG
27	AGE033	Basic Psychology	Clinical Psychology	3,5,7	UG
28	AGE034	Psychology of Addiction	Clinical Psychology	1	UG
29	AGL035	Practice of Yoga	AHS	1	UG
30	AGL036	Pranayama Excercises	AHS	3,5,7	UG
Faculty of Biomedical Sciences & Technology					
31	BGE001	Introduction to Human Genetics	Human Genetics	1	UG
32	BGE002	Principles of Genetics	Human Genetics	1	PG
33	BGE011	Clinical Genetics - Principles and applications	Human Genetics	2,4,6	PG
34	BGE012	Trends in Tissue Engineering and Regenerative Medicine	Centre for Regenerative Medicine & Stem Cell Research	3,5,7	UG
35	BGE013	Translational Biology	Centre for Regenerative Medicine & Stem Cell Research	3,5,7	PG
36	BGE014	Medical Entomology	Biomedical Sciences	1	UG
37	BGE015	Lifestyle Disorders	Biomedical Sciences	2,4,6	UG
38	BGE016	Applied Biotechnology	Biomedical Sciences	1	UG
39	BGE017	Food Microbiology	Biomedical Sciences	2,4,6	UG
40	BGE018	In vitro Bioassays of Natural Products	Biomedical Sciences	3,5,7	UG
41	BGE019	Nutrition in Health & Diseases	Biomedical Sciences	2,4,6	UG
42	BGE020♣	Basic Computing	Bioinformatics	3,5,7	UG
43	BGE021	Introductory Biostatistics	Bioinformatics	2,4,6 ; 3,5,7	UG
44	BGE022	Intermediate Mathematics	Bioinformatics	3,5,7	UG
45	BGE023♣	Bioinformatics	Bioinformatics	2,4,6	PG
46	BGE024	Hospital Information Management Systems	Bioinformatics	2,4,6	PG
47	BGE025	Chemi-informatics	Bioinformatics	2,4,6	PG
48	BGE026	Nano-diagnostics	Biotechnology	2,4,6	PG

49	BGE027	Health care Biotechnology	Biotechnology	2,4,6	UG
50	BGE029	Plant Tissue Culture Technology	Biotechnology	2,4,6	UG
51	BGE030	Marine Biotechnology	Biotechnology	2,4,6	UG
52	BGE031	Antimicrobial Agents	Biotechnology	3,5,7	PG
53	BGE032	Algal Biotechnology	Biotechnology	3,5,7	UG
54	BGE036	Nanotechnology	Biotechnology	3,5,7	UG
55	BGE037	Alternative Models for Experimental Toxicology	Biotechnology	2,4,6	PG
56	BGE038	Basic Radiation Biology	Human Genetics	5,7	UG
Faculty of Management Sciences					
57	GGE002	Team Building & Leadership	Management	1	UG
58	GGE009	Hospital Operations Management	Management	2,4,6	UG
59	GGE015	Training & Development	Management	1	PG
60	GGE018	Basics of Hospital Management	Management	3,5,7	PG
61	GGE019	Basic Course In Entrepreneurship	Management	2,4,6	UG
62	GGE020	Advance Course In Entrepreneurship	Management	3,5,7	UG
SRMC & RI					
63	MGE001 *	Mind Body Medicine	Physiology	2,4,6	UG
64	MGE002 *	Womens Health	General Medicine	4,6,8	UG
Faculty of Pharmacy					
65	PGE001	Herbal Drug Technology	Pharmacy	1	UG
66	PGE002	Green Chemistry	Pharmacy	3,5,7	UG
67	PGE003	In vitro Screening Methods	Pharmacy	3,5,7	UG
68	PGE004	Intellectual Property Rights	Pharmacy	3,5,7	UG
69	PGE005	Good Manufacturing Practice (GMP)	Pharmacy	3,5,7	UG
70	PGE006	Good Clinical Practice	Pharmacy	5,7	UG
71	PGE007	Pharmacovigilance	Pharmacy	2,4,6	PG
72	PGE008	Analytical Instrumentation Techniques	Pharmacy	3,5,7	PG
Faculty of Physiotherapy					
73	TGE002	Exercise Prescription in Women's Health	Physiotherapy	2,4,6	UG
74	TGE003	Physical Health	Physiotherapy	3,5,7	UG

		B. LIST OF ABILITY ENHANCEMENT COURSES OFFERED BY DEPARTMENTS OF THIS DU [Credits = 2]			
		Faculty of Allied Health Sciences			
S. No.	**Elective Code**	**Course Name**	**Department**	**Semester**	**Level UG/ PG**
1	AAE 001	English	English	1,2,3	UG
2	AAE 002	English for Clinical Communication	English	2,4	UG
3	AAE 003	Communication and Soft Skill	English	1,3,5	UG
4	AAE 004	Environmental Science	Environmental Health Engineering	1,2,3	UG
5	AAE 005	Trauma Life Support	Accident & Emergency	1,3,5	UG/PG
6	AAE 006	Cardiac Life Support	Accident & Emergency	1,3,5	UG/PG
7	AAE 007	Community Medicine	Community Medicine	1,3	UG
8	AAE 010	Medical Ethics & Law	General Medicine	3,5,7	UG
		Faculty of Biomedical Sciences & Technology			
9	BAE 005	Basics of Biodiversity	Biomedical Sciences	1,3,5,7	UG

		C. LIST OF SKILLS ENHANCEMENT COURSES OFFERED BY DEPARTMENTS OF THIS DU [Credits = 2]			
S. No.	**Elective Code**	**Title**	**Department**	**Semester**	**UG/PG**
		Faculty of Allied Health Sciences			
1	ASE 002	Applied Psychology	Allied Health Sciences	1,3,5,7	UG
2	ASE 006	Bakery and Confectioneries	Clinical Nutrition	1,3,5,7	UG
3	ASE 008	Introduction To Communication Disorders And Rehabilitation	Speech Language and Hearing Science	2,4,6	UG
4	ASE 009	Functional Language Skills	Language Department	1,3,5,7	PG
5	ASE 010	Basic quantitative research tools for clinical and public health research	Environmental Health Engineering	2,4,6	UG
6	ASE 012	Occupational Health Services	Environmental Health Engineering	2	PG
7	ASE013	Professional skills Development	Environmental Health Engineering	1,3	PG
8	ASL011	Health Science Data Analysis using R-Statistical Software	Environmental Health Engineering	1,3	PG
9	ASL014 *	National service scheme and	NSS office	2,4,6	UG

		Nation Building			
10	ASL015 *	Culinary Skills for optimal nutrition	Clinical Nutrition	1,3,5,7	UG
11	ASL016 *	Basic Life Support	Accident & Emergency	2,4,6	UG
12	ASL017 *	Library Science and E-Resources	Central Library	1,3,5,7	UG
Faculty of Biomedical Sciences & Technology					
13	BSE 001	Good Laboratory Practices	Biomedical Sciences	1,3,5,7	UG
14	BSE 002	Human Rights and Value Education	Biomedical Sciences	2,4,6	UG
15	BSE 003	Fundamentals in Analytical Laboratory Skills	Biomedical Sciences	1,3,5,7	UG
16	BSE 004	Public Health and Hygiene	Biomedical Sciences	2,4,6	UG
17	BSL015 *	Medical Transcription	BMS	1,3,5,7	UG
18	BSL016 *	Basics of Electronics	BMS	1,3,5,7	UG
SRDC &H					
19	DSL001 *	Tooth Wisdom	Dental	2,4,6	UG
SRMC & RI					
20	MSL001 *	Introduction to the principles and practice of infection prevention and control	Microbiology	2, 4,6,8	PG
Faculty of Management Sciences					
21	GSL001 *	Physician Office Management	Management	2,4,6	UG
22	GSL002 *	Interpersonal Skills	Management	1,3,5,7	UG
Faculty of Nursing					
23	NSL001 *	Diabetic foot care	Community Nursing	2,4,6	UG
Faculty of Physiotherapy					
24	TSL001 *	Ergonomics and Health promotion	Physiotherapy	2,4,6	UG

*** *Courses included from 2018 onwards as theory or practicals.***
♣-- GE courses selected as discipline specific elective for some programs and hence will not be offered as choice.

The above lists are also presented as annexure, semester- wise.
Syllabii for Common Core/ DE / GE/ GL, SE/ SL, AE Courses are provided in a separate Handbook. For introduction of new electives the syllabus shall be placed in BoS of the elective offering department while for elective courses offered by departments not under CBCS regulations shall be placed in BoS of Faculty of Allied Health Sciences. A subject expert from the elective offering department shall be a special invitee for ratification.

8.5.1 Self- Learning Courses- MOOCs Certification and transfer of credits: [with respect to- UGC (Credit Framework for Online Learning Courses through SWAYAM) Regulation, 2016. New Delhi, the 19th July, 2016. Vide No. F.1-100/2016(MOOCs/e-content)

Introduction of MOOCS courses (Massive Open Online Courses), SWAYAM (Study Webs of Active Learning for Young Aspiring Minds) and NPTEL for the UG, PG, and Integrated Programs (CBCS) offered under the various faculties of this Deemed University for Elective courses is **governed by common regulations** of this DU (*vide*, 27th Academic Council).

8.5.1.1 Types of ONLINE Courses MOOCS/ SWAYAM/ NPTEL: Students shall select **one** online course per semester from a list finalized at the CBCS office (with help from departments). Online courses for the category generic elective [GE; 45 hrs; credits 3]; Ability enhancement [AE; 30 hrs; credits 2] or Skills enhancement Courses [SE; 30 hrs' credits 2] can be chosen.

8.5.1.2 Online course Registration: At the beginning of each semester/ year the student registers for the list of electives provided as a dropdown (or Circulated) through the elective registration process. On approval of registration, the elective shall be transferred to the MIS- Examinations Systems for registration purpose. The department must designate a course coordinator/ facilitator to guide the students throughout the course and to facilitate the completion of the chosen course. Online registration for this **Category of elective courses** [GE/AE/SE] shall be completed by the first two weeks of starting a semester.

8.5.1.3 Evaluation and Certification of MOOCs:

Evaluation should be based on predefined norms and parameters and announced in the overview of the Course at the time of offering the course. Formative continuous online assessments and end of course proctored exams shall be completed by the student. Evaluation is a final score that will be calculated as: 25% assignment score + 75% final exam score (Proctored exams). The final marks/grade shall be communicated to the students as well as the parent institution of the student, within 4 weeks from the date of completion of the final examination.

The parent Institution shall, incorporate the marks/grade obtained by the student, as communicated by the Host Institution through the PI of the SWAYAM course in the marks sheet of the student that counts for final award of the degree/diploma by the University. A certificate regarding successful completion of the MOOCs course shall be signed by the PI and issued through the Host Institution and sent to the Parent Institution.

8.5.1.4 Credit Mobility of MOOCs: The DU will give the equivalent credit weightage to the students for the credits earned through online learning courses through SWAYAM platform in the credit plan of the program.

In case a student fails to complete the MOOCS course He/ She may be allowed to complete the course requirements as a supplementary candidate by registering for another course online in subsequent semester or opt for a course offered at this DU.

8.6 Generic Elective and Skilled Enhancement Course - Typical Week time Table in a Semester both for an ODD and EVEN semester

GENERIC ELECTIVE AND SKILLS ENHANCEMENT COURSE TYPICAL WEEK TIME TABLE IN A SEMESTER									
Day/Time	**8.00** **9.00**	**9.00** **10.00**	**10.00** **10.15**	**10.15** **11.15**	**11.15** **12.15**	**12.15** **1.00**	**1.00** **2.00**	**2.00** **3.00**	**3.00** **4.00**
Monday			Break			Lunch			
Tuesday									
Wednesday	GE am (PG)	GE am							
Thursday	GE am	GE am		GE am	SE 1		GE pm	GE pm	GE pm
Friday									
Saturday								SE 1	SE 1

- Odd Week: Total number of hours per week = Total number of hours per day (7) X Total number of days per week (6) = 42 Hours of teacher learner interaction

- Even Week: Total number of hours per week = Total number of hours per day (7) X Total number of days per week (5) = 35 Hours of teacher learner interaction

- Average Credit per week = 38.8 Hours

- Skill Enhancement on Thursday 1 hour = 1 Credit

- Skill Enhancement on Saturday 1 hour = 0.5 Credit (Working Odd Saturdays)

8.6.1 Semester –wise Continuous Internal Assessment Indicative Schedules for GE/SE/AE courses the academic year 2019 – 20

Level	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul
UG	Semester 3,5 begins **13th elective class begins**	4th- CIA 1	1st - CIA 2 29th – CIA 3	**19th last elective class**	Univ Exams Commence	First week Semester begins;	19th Dec electives for Even semester begins	2nd reopening; **elective class begins;**	6th CA 1	5th CA 2 & 26th cA3	15th April Univ. Exams Commence		Semester 3,5, 7 begins	
UG SEM 1	1st semester begins **25th elective class starts**	**22 nd CIA -1**	19TH – CIA 2	17th - CIA 3	7th Last elective class; Univ. Exam begin on Nov. 15th	**Even semester** electives to starts by 19th Dec	" "	" "	" "	Univ Exams Commence		" "		
PG SEM ALL	1st semester begins	**1st elective class start** 29th CIA-1	26th CIA-2	24th Oct. CIA- 3	14th Last elective class; Univ. Exam begin on Nov. 25th	Even semester electives to starts by 19th Dec,	2nd reopening; **elective class begins; CA1- 30th**	20th CA 2		9th CA 3	7th May; Last Elective Class	Exams Commence		

9. Examinations and Assessment

Since various methods for examination and assessment for the courses and program of the Universities as approved by their respective statutory bodies are followed, there is great extent of variation in interpreting the knowledge and skills of the students across the universities. In assessing the performance of the students in examinations, the usual approach is to award marks based on the examinations conducted at various stages (sessional, mid-term, end-semester etc.,) in a semester. Some of the HEIs (Higher education institutions) convert these marks to letter grades based on absolute or relative grading system and award the grades. Again, there is a marked variation across the colleges and universities in the number/type of grades, grade points, letter grades used, which creates difficulties in comparing students across the institutions. Hence, this DU has adopted the UGC recommended system of awarding the grades and CGPA under this Choice Based Credit Semester system.

9.1. Letter Grades and Grade Points:

i.   The Deemed to be University would be following the absolute grading system, where the marks are compounded to grades based on pre-determined class intervals.

ii. The UGC recommended 10-point grading system with the following letter grades are given below:

Table 1: Grades and Grade Points

Letter Grade	Grade Point
O (Outstanding)	10
A+ (Excellent)	9
A (Very Good)	8
B+ (Good)	7
B (Above Average)	6
C (Average)	5
D (Pass)	4
F (Fail)/ RA (Reappear)	0
Ab (Absent)	0
Not Eligible (NC): detained	0

iii. A student obtaining Grade RA/ Ab shall be considered failed and will be required to reappear in the end semester examination.

iv. Candidate with NC grading indicates detained (*vide*, 9.4, 9.5) in a course (s) and the student is not fulfilling the minimum criteria for academic progress and attendance *vide*, 9.4.1 [i.e., lack of attendance- ≤ 80% and internal assessments (CIA)]. Registrations of such students for those courses shall be treated as cancelled. The candidate should register for and repeat the course (s) (CT/CL; DE/DL, AE, GE, SE/ SL, CR, IN, RP) or the semester. Scheduling and conduct of the courses for such candidates is the responsibility of the HoD and CBCS student advisor in the department. Registrations for repeating a course/ semester shall be made by the candidate at the beginning of a semester through HoD to students Affairs section with

intimation to CoE or Overall Monitoring Committee.

v. This DU has decided on the grade or percentage of marks required to pass in a course and also the CGPA required to qualify for a degree taking into consideration the recommendations of the statutory professional councils such as UGC, AICTE, PCI, RCI, NCTE etc. Accordingly, the following equivalence table is developed for adoption by departments and the office of the Controller of Examinations.

9.2 CBCS Grading System - Marks equivalence table
Grades and Grade Points

Letter Grade	Grade Point	Range of Marks *
O (Outstanding)	10	86-100
A+ (Excellent)	9	70-85
A (Very Good)	8	60 -69
B+ (Good)	7	55 -59
B (Above Average) – **Pass for PGs**	6	50- 54
C (Average)	5	45- 49
D - (Pass) - **Pass for Ugs**	4	40 -44
F (Fail))/ RA (Reappear)	0	Below 40
Ab (Absent)	0	Reappear
NC-Not eligible (detained)	0	Detained

Cumulative Grades and Grade Points

Letter Grade	Grade Point	CGPA
O (Outstanding)	10	9.01 - 10.00
A+ (Excellent)	9	8.01 – 9.00
A (Very Good)	8	7.01 – 8.00
B+ (Good)	7	6.00 - 7.00
B (Above Average)	6	5.01 - 6.00
C (Average)	5	4.51 – 5.00
D (Pass)	4	4.00 - 4.50

i. The statutory requirement for eligibility to enter as assistant professor in colleges and universities in the disciplines of arts, science, commerce, management etc., is a minimum average mark of 50% in relevant postgraduate degree. Hence, it is adopted that the cut-off marks for grade B shall not be less than 50% and for grade B+, it should not be less than 55% under the absolute grading system. However for undergraduate program, the pass percentage is fixed as grade D and C as 40% and 45% respectively.

ii. Examiners for end semester assessment of courses shall be appointed as per the university regulations. **Fairness in Assessment** is an integral part of system of education as it is instrumental in identifying and certifying the academic standards accomplished by a student. The assessment will be undertaken by internal and / or external or inter-departmental examiners.

iii. There shall be a separate results passing board for UG and PG program for recommendations for any moderation after the valuation process is completed and university norms are observed.

9.3 Assessment of a Course:

Evaluation for a course shall be done on a continuous basis. The uniform procedures to be adopted under the CBCS is to conduct atleast three continuous internal assessments (CIA) followed by one end semester university examination (ES) for each course.

i. For all category of courses offered (Core Theory, Core Lab, Discipline Specific

ii. Elective [DE]/ Lab [DL]; Generic Elective [GE/ GL- practical] & Ability Enhancement Courses [AE]; Skills Enhancement Courses [SE] Theory or SL (Practical) & Research Project), the assessment will comprise of Continuous Internal Assessment (CIA) and the end – semester (ES) examination. For each course the total of 100% per course is determined from the CIA evaluation weighted at 50% and the ES weighted at 50%.

iii. Courses in programs wherein Theory and Lab are assessed jointly (results in group, RG), the passing minimum ('D' grade / 40% for UG and 'B' grade / 50% for PG programs) for the theory exams and lab exams have to be obtained separately, in order to be declared passed in the individual courses and thereby earning the credits for both theory and lab courses. Reappearance in any one of the components is treated as reappear in both these components (*vide*, 7.4).

iv. Courses in programs wherein Theory and Lab credits are 1 or 2, the lab examinations shall be conducted within the department as a final CIA and provided to the CoE as consolidated IA. Reappearance in any one of the components is treated as reappear in both these components (*vide*, 7.4).

v. For a few identified category of courses offered as Ability Enhancement Courses [AE]; Skills Enhancement Courses [SE] Theory or SL (Practical) & UG Research Projects), the assessment will comprise of Continuous Internal Assessment (CIA) and the end – semester (ES-D) examination conducted at the department. For each course the total of 100% per course is determined from the CIA evaluation weighted at 50% and the ES- D weighted at 50%. Examiners internally or inter-departmental shall be appointed for the final assessments.

vi. Evaluation for a course with **clinical rotation or clinical training** or internship will be done on a continuous basis.

Course titles	Description	Credits	Evaluation methods
Clinical rotation/ clinical training	Is provided within the hospital rounds; Part of Course work/ semester and is in place of laboratory experiments- as part of course work	Credits- 3-5 [hrs 90 to 150 hrs]	Continuous Internal assessment Structured monitoring and assessment as defined for that program- e.g log book; no. of cases; posting completed; internal / interdepartmental evaluation.

vii. **Summer training/ in- plant training:**

Course titles	Description	Credits	Evaluation methods
Summer training/ in-plant training	Is provided during the program but outside their contact hours e.g., 15- 20 days of vacation training. Posted within this DU or outside	Not compulsory for credits/ mark sheets for the Completion of program & indicated as additional credits earned Credits 2-3	Structured evaluation in the form of a report; product / process development and attendance

The type of assessments and declaration of results is provided as Scheme of Examinations for each program and as prescribed by their respective BoS.

9.4 Continuous Internal assessment (CIA)

CIA forms the Formative Assessment component of evaluation in CBCS. It is structured to elicit the students' domain knowledge, analytical and creativity skills besides team building.

9.4.1 Eligibility to appear for the end-semester examinations for a course includes:

i.   Attendance (80%) and 30% of CIA component (15 marks) for courses under UG programs. For RP category courses, attendance (minimum 80%); CIA (50%; i.e., 20 marks) and submission of a copy of the project is essential for eligibility to appear for ESP (viva Voce) examinations wherever it is a summative University examination.

ii.   Attendance (80%) and 40% of CIA component (20 marks) for courses under the PG and Integrated programme.   For RP category courses, attendance (80%); CIA (50%; i.e., 25 marks) and submission of a copy of the project is essential for eligibility to appear for ESP (viva Voce) examinations wherever it is a summative University examination.

iii. Courses in programs wherein Theory and Lab are assessed jointly (results in group, RG), the minimum eligibility in CIA as applicable in i and ii above is implemented (30% for UG and 40% for PG programs) for theory and practical components separately. Reappearance for CIA in both components is applicable if the above criteria are not met.

iv. The eligibility for the courses in the B PT degree programme is governed by the regulations tabled in their BoS, 2015.

(a) For Core courses CT (Core Theory), CL (Core Lab), DE (Discipline centric Electives) eligibility is as per PG regulations (viz., 9.4.1.ii) above

(b) For Generic Electives (GE), Ability Enhancement (AE) and Skill Enhancement (SE) courses student shall become eligible as per UG regulations (viz., 9.4.1.i) above

v.   A student not meeting these criteria for eligibility shall be **detained (NC)** in that particular course for the semester. In the subsequent semester, such a candidate must improve the criterion that is lacking *viz.*, attendance and/ or CIA ==minimum by attending the classes when offered== to become eligible for the end semester **arrear** examinations.

9.5 Pre Requisite for advancing to the next semester (*vide*, 9.1 CBCS Guidelines, 2015)

Completing the minimum CIA requirements and attendance for NC grade course(s) (CT/CL; DE/ DL; CR/ IN and RP) in a semester is a **Pre Requisite for advancing** to the next semester (*vide*, 9.1 CBCS Guidelines, 2015). Candidates with NC grade in the above category of courses shall repeat the course (s) or semester when next offered. The list of such candidates with **"NC grade"** of a course shall be recommended for REPEATING THE COURSE/ SEMESTER by the Overall Monitoring Committee within 15 working days after the submission of the consolidated IA at the end of a semester. This committee shall consist of the DoF, Dean Students, Academic officer, Dean of Education, Deputy Registrar Students Affairs, Principals and coordinated by CBCS coordinator. This list shall be forwarded to CoE indicating the course (s) / semester that the candidate will be repeating. Until the completion of all core courses (CT/ CL; DE/DL; CR; RP; IN) in a given semester, the candidate shall not advance / progress to the next semester of study.

i. ***Due to not attending specific Course*** *(s):* A student who has failed to attend a specific paper (CT/ CL; DE/DL; CR; RP; IN) in any semester (shortage minimum attendance/ CIA requirement) during his UG/ PG / integrated program due to some unavoidable reasons could request for redoing one specific Course by applying within 15 working days prior to the beginning of the subsequent semester, scheduled and monitored by the departments (HoD and Student Advisor; *vide*, 9.1.iv). All requests shall be forwarded by HoD to the Overall Monitoring Committee in this regard and intimated to CoE.

ii. ***Due to not attending the complete semester –*** A student who has failed to attend a complete semester or the core courses (CT/ CL; DE/DL; CR; RP; IN) in a semester during his/her UG/PG / integrated program due to some unavoidable reasons shall be treated as "Break of Semester/ Study' and shall seek permission from Dean of Students for enrolling in the said semester (*vide*, 18) including registration of electives (GE/ SE/ AE) for that semester, governed by the University regulations and clause 17 and the 18 infra.

iii. Registrations for repeating a course/ semester shall be made by the candidate at the beginning of a semester through HoD to Students Affairs section with intimation to CoE or as recommended by the committee (*vide*, 9.5 above).

These regulations are applicable for all students taking the 2019 examination sessions onwards as prescribed under the common regulations of discipline and publicized in the student Manual on break of study.
Note: Advancing to next semesters of their study program is governed by regulations for 'RA'

grade in a course vide 17.

10. Grade Qualifying For a Pass:

i. **UG Programs:** For each course, a minimum of 30% in CIA (as per eligibility criteria 9.4.1) and 40% in ES examinations and 40% in aggregate is required to obtain a grade "D" for a pass

ii. **PG Programs**: For all courses a minimum of 40% of CIA (as per eligibility criteria 9.4.1), 50% in ES examinations and 50% in aggregate are essential to secure a grade of "B".

iii. Courses (in UG, Integrated / PG programs) in which practicals' are an integral part of the training, the regulations for a pass grade are indicated in 7.4 and 9.3.ii.

iv. Courses [e.g. CR/ AE/ SE] (in UG, Int, & PG programs) which are assessed only as formative assessments (CIA- 100%), the passing minimum is D grade (40%) for UG in Formative assessment and thereby aggregate. Passing minimum for PG courses is B grade (50%) in Formative assessment and thereby in aggregate.

v. **Dissertation/ Project and viva:** The passing minimum is D grade (40%) for UG in Formative assessment and Summative assessments and in aggregate. Passing minimum for PG project evaluation is B grade (50%) in Formative assessment, Summative assessment and in aggregate.

vi. The performance of a candidate in a course will be indicated as a letter grade, whereas grade point will indicate the position of the candidate in that batch of candidates. A student is considered to have completed a course successfully and earned the prescribed credits if he/she secures a letter grade other than F/RA. A letter grade RA in any course implies he/she has to Re-appear for the examination to complete the course.

10.1 The RA grade once awarded in the grade card of the student is not deleted even when he/she completes the course successfully later. The grade acquired later by the student will be indicated in the grade sheet of the subsequent semester in which the candidate has appeared for clearance of the arrears.

10.2. A candidate who secures F/RA grade in a core course has to pass it compulsorily. A candidate who does not pass a core course in the stipulated period (eight/ten semesters as the case may be from the year of admission), may be permitted to re-register for the same course or an equivalent core course by paying the prescribed fee when it is offered next - in consultation with the student advisor/ HOD.

10.3. If a candidate secures F/RA grade in an elective and wants to change the elective, he/she has to register by paying the prescribed fee and attend the classes for that course when it is offered.

10.4. Any candidate who falls short of the required number of credits for the award of the degree may be permitted to register, by paying the prescribed re-registration fee, for the required number of courses (core or elective) when it is offered.

10.5. If a student secures RA grade in the Project Work/Dissertation, he/she shall improve it and resubmit it, if it involves only rewriting / incorporating the revisions suggested by the evaluators. If the assessment indicates lack of student performance or data collection then the student maybe permitted to re-register by paying the prescribed re-registration fee and complete the same in the subsequent semesters.

10.6 The qualifying grade for the courses in the B PT degree program is governed by the regulations tabled in their BoS, 2015. A candidate shall be declared to have passed the examination if he/she obtains the following minimum qualifying grade / marks:-

(a)   **For Core courses CT (Core Theory), CL (Core Lab), DE (Discipline centric Electives), clinical rotation and internship student shall obtain** Grade B (50 % of marks) in the University End Semester Examination (ESE) and in aggregate in each course which includes both Continuous Internal Assessment and End Semester Examination.

 (b) **For Generic Electives (GE), Ability Enhancement (AE) and Skill Enhancement (SE) courses student shall obtain** Grade D (40 % of marks) in the University End Semester Examination and in aggregate in each course which includes both Continuous Internal Assessment and End Semester Examination or as Formative assessments only.

11 Guidelines for Clinical Internship or Research internship:

Courses offering internship for 6 months or 1 year may permit candidates to take up internship only on completion of all their course work. The internship may be observed as per the stipulated periods at Sri Ramachandra Hospital, Porur, Chennai –116 and or Centers of Excellence approved by Sri

Ramachandra Institute of Higher Education and Research (DU). Students are expected to act in a responsible and professional manner at all times during their postings.

Course titles	Description	Credits	Evaluation methods
Internship	Is full-time on the job supervised training; usually offered after necessary contact hours i.e., as prescribed by UGC for full- time UG/ PG teaching programs is completed	Credits- 10-15 credits [300 hrs to 450]	Grading: Log books; cases completed; equipment/ skills mastered etc- internal evaluation. Non- completion leads to 6 months extension.

11.1 Eligibility for appearing for Internship: On completion of all their course work, a candidate is permitted by the HoD/ course Chairperson to join the internship during the beginning of the semester i.e., Odd/ Even.

11.2 Responsibilities during internship:
During the internship period candidates should show at least 90% attendance. They must engage in practice/ skill based learning of professional conduct. Their learning outcomes must be maintained and presented in the form of logbooks/ case studies/ dissertations. The appropriate formats for the postings/ clinical rotations/ research assignments are prescribed by the regulations under each program.

11.3 Evaluation of internees and award of credits:
All internees will be assessed based on their satisfactory attendance, performance in the postings/ research labs and the presentation of the logbook. The mode of assessments and frequency will be prescribed in the respective programs. Depending on the duration of the internship, candidates will earn the prescribed credits as stated in their regulations. The credits and hours of internship will be defined in the individual regulations.

An example of the credits to be earned:

Course Number	Course Code	Course Title	L	T	P	C	Total Hours
Clinical Internship – Semester I							
1	UAH 15CR 451	Internship - I	-	-	45	15	**564**
Clinical Internship – Semester – II							
Course Number	Course Code	Course Title	L	T	P	C	Total Hours
1	UOP 15CR 452	Internship - II	-	-	45	15	**564**
A total of 30 credit points will have to be obtained at the end of this internship							

The Internship completion is reported in the form of grades as formative assessment for each candidate along with the % attendance accrued for the prescribed period to the Office of the Controller of Examinations through Dean of Faculties & Students Affairs Section. This final assessment along with attendance shall be submitted at the close of academic year or period of study and will be taken as satisfactory completion of the internship. For instance, for a one year internship the final internship period will be end of 8th semester (7th and 8th semesters). Marks / grades and attendance will be obtained for each program one month after date of completion of internship as prescribed by the HoD. Entry of the marks and (converting to grades) and attendance shall be done on the COE- MIS once every six months. Award of the degree certificate will be provided after successful completion of the internship along with a certificate of completion of internship and Grade Card for the same in the concurrent convocation. For candidates, completing their internship after the convocation, a program / internship completion certificate signed by HOD through DOF/DOS shall be provided after obtaining the relevant data on the MIS.

11.4 Research Project Internship:

Candidates can volunteer for one year of research internship after completing three years of the course work at the undergraduate program. The credits earned will be included for the calculations of the CGPA and the evaluation methods are as prescribed for the particular program.

Award of the degree certificate will be provided after successful completion of the research internship along with the Grade card for the same.

11.4.1: UG projects/ PG Dissertations:

Most programs have prescribed projects as a course in the final year of study designed to acquire special / advanced knowledge. Candidates study such a course on his/her own with an advisory support by a teacher / faculty member and is called dissertation for PG programs / project for UG programs. To supplement this mode of "learning by doing", it has been redefined at this Deemed to be University, to promote intrapreneurship and entrpreneurship talents. The modes of study that maybe defined in the respective curricula include:

Projects/ Dissertation/ Devices/ Programs				
Sl. No.	Course titles	Description	Credits	Evaluation methods
1	UG Projects	Individual/ group projects for UG programs; Full –time under a supervisor;	Credits 7-10	structured IA evaluations- review presentation; work presentation; Log books etc. Only soft copy to be submitted to COE office and only one hard copy and one soft copy to the department. The hard copy can be used during assessments and returned to the student Inter- departmental Examiners for final Viva examinations
2	PG Dissertation & viva voce	Individual projects under supervisor; Full Time	Credits 10- 15	Structured IA evaluations- review presentation; Ethical approvals; work presentation; Log books; Public Awareness initiatives, including conference participation etc. Only one soft copy and one hard copy to be submitted to CoE office. Another hard copy can be used during assessments and maintained in

				the department. External or Inter- departmental Examiners for end semester Viva.
3	Devices/ inventions	For UG or PG Programs; Design and construction of operable devices; Full Time Entrepreneurship	Credits 10- 15	Structured IA evaluations- review presentation; Log books; Ideation; working Design presentation, including conference participation. Inter- departmental Examiners for end semester Viva.
4	Software Programs	For UG or PG Programs; Design and develop algorithms/ functional coding and software for specific Hospital/ University related Computational jobs; including animation - based learning Apps	Credits 10- 15	Structured IA evaluations- review presentation; Log books; Ideation; working software and use in the University system – presentations, including conference participation Inter- departmental Examiners for end semester Viva.

12. COMPONENTS AND TYPES OF ASSESSMENT:

The CIA for each of the courses would have a total weightage of 50 marks which would be assessed in the following pattern for PGs and UGs. A combination of these activities suitable for a course can be used for assessment and intimated to the students.

PG Pattern

Sessional Test (W : 10)	Seminar (W : 10)	Journal club (W : 10)	Creativity Exercise (W : 10)	Review cum assignment (W : 10)
Best or average of two per Semester	One Seminar per Semester by each PG student	One Journal paper relevant to the core – courses per PG student	Specimen/ Model/ICT tool/multimedia based demos or simulations/ any one relevant exercise	One assignment after reviewing any discipline specific book or article/ student

UG Pattern

Sessional Test (W : 25)	Group Seminar with assignment (W : 25)
Best or average of two per Semester	One Seminar per Semester by a group of not more than 4 UG Students. Each student to write an assignment on the component presented by him/her

Each program offering department will provide the pattern of CIA to evaluate the students' domain knowledge, analytical skills and creativity skills.

12.1 ATTENDANCE

i.   The teacher handling a course shall be responsible for maintaining a record of attendance of students who have registered for the course.

ii. All teachers shall intimate periodically to the Head of the Department/ Course Chairpersons at least seven calendar days before the last instruction day in the semester, the particulars of all students who have less than 80% attendance in one or more courses.

iii. A candidate who has less than 80% attendance, shall not be permitted to appear for the End - semester examination in the course in which the shortfall exists.

iv. However, it shall be open to the VC to grant exemption to a candidate who has failed to obtain the prescribed 80% attendance for valid reasons based on the recommendations of HOD on payment of prescribed fee and such exemptions shall not under any circumstances be granted for attendance below 70%.

v.   Where a student is absent without any prior permission for more than three months, he/she will be treated as "discontinued from program of study" concerned and will be covered under the University regulations provided in the Student's Manual

vi. Such candidates wanting to be readmitted to a program of study shall report to the Dean of Students and are governed by the Disciplinary rules of this DU.

vii. The HOD/ course chairperson through the Dean of Faculties shall announce the names of the students who will not be eligible to take the End-semester examinations in the various courses and send a copy of the same to the Students Affairs Section for onward transmission to COE's office with a copy to the CBCS Coordinator. Registrations of such students for those courses shall be treated as cancelled. If the course is a core course, the candidate should register for and repeat the course (s) / Semester when it is offered the next time.

viii. The CIA dates are specified in the CBCS handbook (8.6.1) to enable all the programs to conduct them systematically. The marks/ grades scored by the students should be entered in the CIA forms provided online (MIS) and the consolidated grades maybe sent through proper channel to the CoEs office 10 days prior to end of semester.

12.2 General structure / patterns for setting up question papers for Theory / Practical courses, their evaluation weightages for UG/PG programmes of SRU are given in the following tables:

UG pattern - Type A8		
THEORY QUESTION PAPER PATTERN FOR UNIVERSITY EXAMINATIONS UNDER CBCS (Theory Exam Assessment Pattern)		
End of Semester Examination (ESE) Theory for CT/DE		
Section A: (80 marks)		
Pattern & Choices	**Marks**	**Total Marks**
Short essay questions 10 out of 12	10 x 5 marks	50
Essay question 2 out of 3	2 x 15 marks	30

	Total (a)	80
Section B: **To be marked on the OMR sheet (20 marks)**		
Objective type questions: [True/ False- 10 nos Match the following: -10 nos]	20 x 1 marks [1mark x 10 =10 marks 1mark x 10 =10 marks]	20
	Total (b)	20
Grand Total Section (a + b)	**100**	

Type A9 – UG programs CT/DE courses For Psychology		
Course Codes:-USS15DE107/ USS15DE207; USS15DE108/ USS15CT305; USS15CT306;		
Very short answers Reason out / list / Classify/ differentiate (10 out of 12)	10 x 5 marks	50 marks
Short essay (2 out of 3)	2x 10 marks	20 marks
Long essay (2 out of 3)	2 x 15marks	30 marks
Grand total		100 marks

UG pattern - Type A10 (AUAH; sem 4 onwards) THEORY QUESTION PAPER PATTERN FOR UNIVERSITY EXAMINATIONS UNDER CBCS (Theory Exam Assessment Pattern for Clinical based courses)		
End of Semester Examination (ESE) Theory for CT/DE		
Section A: (90 marks)		
Pattern & Choices	**Marks**	**Total Marks**
Short essay questions 6 out of 8	6 x 10 marks	60
Essay question 2 out of 3	2 x 15 marks	30
Section A: (10 marks) **To be marked on the OMR sheet**		
Objective type questions: True/ False- 10 nos	1mark x 10 =10 marks	10
	Total (A+B)	100

THEORY QUESTION PAPER PATTERN FOR UNIVERSITY EXAMINATIONS (Theory Exam Assessment Pattern - Two Sections for combined courses)		
End of Year Examination (ESE) Theory		
Section A		
Pattern & Choices	**Marks**	**Total Marks**
Short essay questions 6 out of 7	5 x 6	30
Essay question 1 out of 2	1 x 15	15
	Total (A)	45

Section B		
Short essay questions 6 out of 7	5 x 6	30
Essay question 1 out of 2	1 x 15	15
	Total (B)	45
To be marked on the OMR sheet (10 marks) Section C		
Objective type questions: [True/ False- 10 nos]	10 x 1 marks 1mark x 10 =10 marks	10
	Total (C)	10
	Total (A+B+C)	100
End Semester Examination for courses without / with practical in which two different subjects are transacted; the section **A and B will pertain** to each of the subjects with marks proportionate to the course content as defined in their BoS [e.g. 50:50 each or 65: 35 each etc]		

UG pattern - Type A2		
THEORY QUESTION PAPER PATTERN FOR UNIVERSITY EXAMINATIONS UNDER CBCS (Theory Exam Assessment Pattern – Section A & B)		
End of Semester Examination (ESE) Theory for CT/DE		
Section A (40 marks)		
Pattern & Choices	Marks	Total Marks
Objective type questions – 5 [Define/give reasons/classify/List any two (differences; advantages; functions; applications;....)]	5 X 2 marks	10
Short essay questions 4 out of 5	4 x 5 maks	20
Essay question 1 out of 2	1 x 10 marks	10
	Total (a)	40
Section B (40 marks)		
Objective type questions – 5 [Define/give reasons/classify/List any two (differences; advantages; functions; applications;....)]	5 X 2 marks	10
Short essay questions 4 out of 5	4 x 5	20
Essay question 1 out of 2	1 x 10	10
	Total (b)	40
Section A (20 marks)		
Objective type questions: True/ False- 10 nos Match the following: -10/12(Option)	20 x 1 marks 1mark x 10 =10 marks 1mark x 10 =10 marks	20
To be marked on the OMR sheet	Total (c)	20
Grand Total Section (a + b +c)	100	
End Semester Examination for courses without / with practical in which two different subjects are transacted; the section **A and B will pertain** to each of the subjects i.e., 40 each (e.g., Microbiology and Pharmacology) while **section C** (20 marks) will have both subjects in equal proportions.		

UG pattern - Type A6 (AUAH; sem 4 onwards)		
THEORY QUESTION PAPER PATTERN FOR UNIVERSITY EXAMINATIONS UNDER CBCS **(Theory Exam Assessment Pattern – Section A & B)**		
End of Semester Examination (ESE) Theory for CT/DE		
Section A (45 marks)		
Pattern & Choices	**Marks**	**Total Marks**
Essay question 1 out of 2	1 x 15 marks	15
Short essay questions 3 out of 4	3 x 10 marks	30
	Total (a)	**45**
Section B (45 marks)		
Essay question 1 out of 2	1 x 15 marks	15
Short essay questions 3 out of 4	3 x 10 marks	30
	Total (b)	**45**
Section C (10 marks)		
Objective type questions: True/ False- 10 nos	1mark x 10 =10 marks	10
	Total (c)	**10**
Grand Total Section (a + b +c)	**100**	
End Semester Examination for courses without / with practical in which two different subjects are transacted; the section **A and B will pertain** to each of the subjects with marks proportionate to the course content as defined in their BoS [e.g. 50:50 each or 65: 35 each etc]		

PG pattern - Type B2 – For All courses		
THEORY QUESTION PAPER PATTERN FOR UNIVERSITY EXAMINATIONS UNDER CBCS		
End of Semester Examination (ESE) Theory **For Core/DE courses and**		
UG Mathematics courses (E.g., UMI18CT103); Psychology (E.g., UAH15CT107; UPT15DE108);		
Pattern & Choices	**Marks**	**Total Marks**
Objective type questions – 10 [Define/give reasons/classify/List any two (differences; advantages; functions; applications;....)]	10 x 3 marks	30
Short essay questions 5 out of 7	5 x 8 marks	40
Essay question 2 out of 3	2 x 15 marks	30
Total		**100**

PG pattern - Type B3 – for - Clinical sciences		
APRS; APNS; APMI; APML; AIMR (IV semester); APCD; APPT; TPOT TPCS, TPNS, TPOG		
THEORY QUESTION PAPER PATTERN FOR UNIVERSITY EXAMINATIONS UNDER CBCS		
End of Semester Examination (ESE) Theory **(CT/DE Courses only)**		
Pattern & Choices	**Marks**	**Total Marks**
Essay question 2 (no choice)	2 x 15	30
Short essay questions 7 out of 9	7 x 10	70
Total		**100**

PG pattern - Type B4 – for - Clinical sciences		
End Semester Examination for courses without / with practical in which two different subjects are transacted; the section A and B will pertain to each of the subjects i.e., 50 each (e.g., Emergency Medicine and Renal Nutrition and Dietetics)		
	Section A	
Essay question 1 (no choice)	1 x 20	20
Short essay questions 3 out of 5	3 x 10	30
Total (A)		**50**
	Section B	
Essay question 1 (no choice)	1 x 20	20
Short essay questions 3 out of 5	3 x 10	30
Total (B)		**50**
	Total (A+B)	**100**

Type A5 for ALL GE/AE/SE Courses from April 2017 onwards		
UG and PG programs		
THEORY QUESTION PAPER PATTERN FOR UNIVERSITY EXAMINATIONS UNDER CBCS (End of Semester Examination (ESE) Theory Assessment Pattern) for GE/ AE/ SE courses - single evaluation Duration of Examination - 2hrs		
Objective type: (Answer ALL) [Define/give reasons/classify/ List any two (differences; advantages; functions; applications;....)]	5 x 3 marks	15 marks
Short essay (4 out of 5)	4 x 5 marks	20 marks
Long essay (1 out of 2)	1 x 15marks	15 marks
TOTAL		50 marks

English Department Courses Pattern A4 AAE001, AAE002, ASE003 (UG electives)		
	Choices	Marks
FILL IN THE BLANKS	5x 1	5
MATCH THE FOLLOWING	5x 1	5
VERY SHORT QUESTIONS	5 X 2	10
Short essay questions (4 out of 5)	4x 5	20
Essay questions (1 out of 2)	1x 10	10
Total		50

English Department Courses Pattern B5 – ASE009 (PG Elective)		
Pattern	Choices	Marks
FILL IN THE BLANKS /MCQ	5x 3	15
Short essay questions (4 out of 5)	4x 5	20
Essay questions (1 out of 2)	1x 15	15
Total		50

TYPE A7 - 2: UNDER GRADUATE or POST GRADUATE PRACTICAL		
PRACTICAL QUESTION PAPER PATTERN FOR UNIVERSITY EXAMINATIONS UNDER CBCS		
Practical	Experiments; Spot Test; Case Study; Problem solving; Viva (50)	50
Continuous Internal Assessment for Practical	Practicals/ Spotters/ Viva (40); Records (10) / Logbook (10) & {Attendance (5) – applicable for UG programs only} Record is a Mandate for taking up the practical exam.	50
	Grand Total	100

Marks for Practical Internal Assessment (UG programs)		
S. No.	Attendance Percentage	Marks
1.	<80	0
2.	80-83	1
3	>83-85	2
4	>85-90	3
5	>90-95	4
6	>95-100	5

Any one of the above formats maybe chosen and presented in the regulations of the respective programs, as approved by their BoS.

13 Computation of SGPA and CGPA

The UGC recommends the following procedure to compute the Semester Grade Point Average (SGPA) and Cumulative Grade Point Average (CGPA):

i.   The SGPA is the ratio of sum of the product of the number of credits with the grade points scored by a student in all the courses taken by a student and the sum of the number of credits of all the courses undergone & earned by a student, i.e.,

SGPA $(S_i) = \sum(C_i \times G_i) / \sum C_i$

where C_i is the number of credits of the ith course and G_i is the grade point scored by the student in the ith course.

ii.   The CGPA is also calculated in the same manner taking into account all the courses undergone & earned by a student over all the semesters of a programme, i.e.

CGPA = $\sum(C_i \times S_i) / \sum C_i$

where S_i is the SGPA of the ith semester and C_i is the total number of credits in that semester.

iii. The SGPA and CGPA shall be rounded off to 2 decimal points and reported in the transcripts.

13.1 Illustration of Computation of SGPA and CGPA and Format for Transcripts

i. Computation of SGPA and CGPA

Course	Credit	Grade Letter	Grade Point	Credit Point (Credit x Grade)
Course 1	3	A	8	3 X 8 = 24
Course 2	4	B+	7	4 X 7 = 28
Course 3	3	B	6	3 X 6 = 18
Course 4	3	O	10	3 X 10 = 30
Course 5	3	C	5	3 X 5 = 15
Course 6	4	B	6	4 X 6 = 24
	20			139
Illustration for SGPA				
Thus, SGPA = 139/20 = 6.95				

Semester 1	Semester 2	Semester 3	Semester 4
Credit : 20	Credit : 22	Credit : 25	Credit : 26
SGPA : 6.9	SGPA : 6.8	SGPA : 6.6	SGPA : 6.0
Semester 5	**Semester 6**		
Credit : 26	Credit : 25		
SGPA : 6.3	SGPA : 8.0		
Illustration for CGPA			

Thus,

$$CGPA = \frac{20 \times 6.9 + 22 \times 6.8 + 25 \times 6.6 + 26 \times 6.0 + 26 \times 6.3 + 25 \times 8.0}{144} = 6.75 \text{ or "B+"}$$

Transcript (Format): Based on the above recommendations on Letter grades, grade points and SGPA and CGPA, the HEIs may issue the transcript for each semester and a consolidated transcript indicating the performance in all semesters.

14 STUDENT ADVISOR

Every student will have a member of faculty of the Department as his/her student advisor. The student advisor / mentor, besides taking care of the counseling and care of the allotted students, will also advise the students in choosing Elective courses and offer all possible student support services.

15 REGISTRATION FOR COURSES IN A SEMESTER

15.1.   After admission to a Program, a student identity number is generated at the student affairs section. This barcode/ Enrollment number maybe used in the process of registration for a course.

15.2 The online registration process is a registration for the courses in a semester. The registration card is generated after a student completes the choice of electives. Every student shall register for the stipulated number of Courses/Credits semester wise even if electives are not prescribed in their regulations for the said semester.
NOTE: This online elective registration process is indicative of the electives chosen by the student. ELIGIBILITY FOR ADMISSION TO EXAMINATIONS OR ADVANCING TO THE NEXT SEMESTER IS GOVERNED BY THE REGULATIONS FOR A PROGRAM.

15.3.   Every student must register for Generic Elective/Ability Enhancement Courses (SE) semester-wise (in consultation with his/her Student advisor) for the courses he/she intends to undergo in that semester by applying online to the CBCS office including for repeating the semester. Registration for the courses will be done by students on or before a specified date, about 15- 20 days prior to the start of a semester.

15.4. After registration closes, a student can drop an elective course (only one per program of study) agreed to earlier and can substitute it by another elective course for valid reasons with the written consent of student advisor/ HoD, but before the deadline for withdrawal of courses, provided that the candidate will be able to fulfill the required minimum attendance in the substitute course. Withdrawal from a course (Generic Elective/Ability Enhancement courses) is permitted up to one week from the last date of Registration or starting the semester whichever is earlier. Withdrawal from a course will not be permitted for those who undergo late registration.

15.5 After the last date for completion of registration of electives, the CBCS office will confirm the allocation as per the students' choice. In such cases wherein registration process was incomplete or reallocation of electives is required for administrative reasons, the process will be done at the CBCS office with permission of the Dean of Faculties/ Dean Education/ Dean Students.

15.6. The final list of students registered for each elective is then communicated as hard copy to the HoDs/ Course Chairpersons.   Students are requested to authenticate the chosen electives by appending their signature in acceptance with approval by the HoDs/ Course Chairpersons. A soft copy of the registered students is then submitted to the program offering and elective course offering departments for their official use.   In case, of students not registering for the courses (including electives) in a semester, the HoDs/ CCP must indicate the status of the student as- discontinued, long absent (with date of last attendance) or repeating the semester within 7 working days of commencement of a semester.

SAMPLE GRADE CARDS

SRI RAMACHANDRA

INSTITUTE OF HIGHER EDUCATION AND RESEARCH

[Deemed to be University]

Porur, Chennai - 600 116

CHOICE BASED CREDIT SYSTEM (CBCS)

GRADE CARD

Name of the candidate :	DIVYAPRIYA A		D.O.B.	:	31/12/2000
Programme:	B.OPTOM (BACHELOR OF OPTOMETRY)		Regn. No.	:	A0418072
Year/Semester :	FIRST SEMESTER		Month & Year :		NOVEMBER 2018
Institution :	SRI RAMACHANDRA COLLEGE OF ALLIED HEALTH SCIENCES				

COURSE CODE	COURSE	RG	CREDITS	LETTER GRADE	RESULT
UOP18OT101	GENERAL ANATOMY AND OCULAR ANATOMY		4	A	PASS
UOP18OT103	PHYSIOLOGY		4	B	PASS
UOP18OT105	PHYSICAL OPTICS	A	3	B+	PASS
UOP18OL151	PHYSICAL OPTICS (PRACTICALS)	A	2	A+	PASS
UOP18OT107	BIOCHEMISTRY		4	B+	PASS
UOP18OT109	PRINCIPLES OF LIGHTING		3	B	PASS
UOP18GE111 AGE020	NOISE EXPOSURE AND ITS EFFECTS		3	A	PASS
UOP18AE113 AAE004	ENVIRONMENTAL SCIENCE		2	B+	PASS

**** END OF STATEMENT ****

	Credits & Grade Point (Current Semester)	Credits & Grade Point (up to Current Semester)
Credits Registered	25	25
Credits Earned	25	25
Grade Point Average (GPA)	7.16	7.16

Disclaimer : This is an electronically generated statement of marks.

Note : Only the original certificate duly signed by the Controller of Examinations issued by this University will be treated as AUTHENTIC.

Student obtaining "RA" in either theory/practical or both the courses, under RG [Result in Group] is declared "RA" in result column.

	Letter Grade	Grade Point
O	(Outstanding)	10
A+	(Excellent)	9
A	(Very Good)	8
B+	(Good)	7
B	(Above Average)	6
C	(Average)	5
D	(Pass)	4
RA	(Re Appearance)	0
Ab	(Absent)	0
NC	(Not Completed)	0

$$GPA = \sum_{i=1}^{n} \frac{C_i\, GP_i}{C_i}$$

i   - i^{th} Course of a semester / up to the semester

C_i - Credit of the ith Course

GP_i - Grade Point of the ith Course

n   - Total Course of a semester / up to the semester

CHECKED BY	
VERIFIED BY	

SRI RAMACHANDRA

INSTITUTE OF HIGHER EDUCATION AND RESEARCH
(Deemed to be University)
Porur, Chennai - 600 116

CHOICE BASED CREDIT SYSTEM (CBCS)

GRADE CARD

Name of the candidate :	GAYATHRI S		D.O.B. :	14/03/2000	
Programme:	BACHELOR OF PHYSIOTHERAPY		Regn. No. :	79110013	
Year/Semester:	FIRST SEMESTER		Month & Year :	NOVEMBER 2018	
Institution :	SRI RAMACHANDRA COLLEGE OF PHYSIOTHERAPY				

COURSE CODE	COURSE	RG	CREDITS	LETTER GRADE	RESULT
UPT18CT101	ANATOMY-I	A	4	A	PASS
UPT18CL181	ANATOMY-I (PRACTICALS)	A	4	A+	PASS
UPT18CT103	PHYSIOLOGY-I		4	A+	PASS
UPT18CE105	BIOCHEMISTRY		3	A	PASS
UPT18GE107 BGE001	INTRODUCTION TO HUMAN GENETICS		3	A+	PASS
UPT18GE109 AGE074	BASICS OF FOOD AND NUTRITION		3	A	PASS
UPT18AE111 AAB001	ENGLISH		2	A+	PASS
UPT18AE113 AAB004	ENVIRONMENTAL SCIENCE		2	A	PASS
UPT18AE115	SOCIOLOGY		2	A	PASS
UPT18AE117	NURSING AND FIRST AID		2	A+	PASS
UPT18AE119	BASIC PHYSICS		2	A+	PASS

*** END OF STATEMENT ***

	Credits & Grade Point (Current Semester)	Credits & Grade Point (up to Current Semester)
Credits Registered	31	31
Credits Earned	31	31
Grade Point Average (GPA)	8.55	8.55

Disclaimer : This is an electronically generated statement of marks.
Note : Only the original certificate duly signed by the Controller of Examinations issued by this University will be treated as AUTHENTIC.
Student obtaining "RA" in either theory/practical or both the courses, under RG [Result In Group] is declared "RA" in result column.

Letter Grade		Grade Point
O	(Outstanding)	10
A+	(Excellent)	9
A	(Very Good)	8
B+	(Good)	7
B	(Above Average)	6
C	(Average)	5
D	(Pass)	4
RA	(Re Appearance)	0
Ab	(Absent)	0
NC	(Not Completed)	0

For B.P.T. Programme alone:

The Letter grade for a pass in CT/CL/DE/DL/CR is B and above
The Letter grade for a pass in AE/GE/SE is D and above

$$GPA = \sum_{i=1}^{n} \frac{C_i GP_i}{C_i}$$

i - i^{th} Course of a semester / up to the semester

C_i - Credit of the ith Course

GP_i - Grade Point of the ith Course

n - Total Course of a semester / up to the semester

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INSTITUTE OF HIGHER EDUCATION AND RESEARCH
(Deemed to be University)
Porur, Chennai - 600 116

CHOICE BASED CREDIT SYSTEM (CBCS)

GRADE CARD

Name of the candidate :	HAFSA S	D.O.B. :	27/09/1997	
Programme:	M.Sc. (HUMAN GENETICS)	Regn. No. :	B1110002	
Year/Semester :	FIRST SEMESTER	Month & Year :	DECEMBER 2019	
Institution :	SRI RAMACHANDRA COLLEGE OF BIOMEDICAL SCIENCES, TECHNOLOGY & RESEARCH			

COURSE CODE	COURSE	RG	CREDITS	LETTER GRADE	RESULT
PHG15CT101	MOLECULAR CELL BIOLOGY AND PHYSIOLOGY		3	A+	PASS
PHG15CT103	BIOCHEMICAL GENETICS		3	A	PASS
PHG15CT105	MEDICAL GENETICS		3	A+	PASS
PHG15DE107	BIOPHYSICS AND INSTRUMENTATION		3	A	PASS
PHG15GE109 AGE020	ADVANCED EXERCISE PHYSIOLOGY		3	B+	PASS
PHG15AE111	BIOSTATISTICS		2	B+	PASS
PHG15SE113 ASL011	HEALTH SCIENCE DATA ANALYSIS USING R-STATISTICAL SOFTWARE (PRACTICALS)		2	A+	PASS
PHG15CL151	BIO-ANALYTICAL TECHNIQUES (PRACTICALS)		3	A+	PASS
PHG15CL153	CYTOGENETIC TECHNIQUES (PRACTICALS)		3	A+	PASS

*** END OF STATEMENT ***

	Credits & Grade Point (Current Semester)	Credits & Grade Point (up to Current Semester)
Credits Registered	25	25
Credits Earned	25	25
Grade Point Average (GPA)	8.36	8.36

Disclaimer : This is an electronically generated statement of marks.
Note : Only the original certificate duly signed by the Controller of Examinations issued by this University will be treated as AUTHENTIC.
Student obtaining "RA" in either theory/practical or both the courses, under RG [Result in Group] is declared "RA" in result column.

Letter Grade		Grade Point
O	(Outstanding)	10
A+	(Excellent)	9
A	(Very Good)	8
B+	(Good)	7
B	(Above Average)	6
RA	(Re Appearance)	0
Ab	(Absent)	0
NC	(Not Completed)	0

$$GPA = \sum_{i=1}^{n} \frac{C_i GP_i}{C_i}$$

i   - i^{th} Course of a semester / up to the semester

C_i - Credit of the ith Course

GP_i - Grade Point of the ith Course

n   - Total Course of a semester / up to the semester

CHECKED BY	
VERIFIED BY	

15.7 Registration card: After students register online, a pdf of their choices is generated as a registration card for that semester. This form serves **three** purposes:

> 1) student is informed of the courses he is registering for in that semester and total credits to be earned.
>
> 2) the elective chosen by the student is allocated and this information is transferred to the examinations section in the beginning of the semester itself for examination processes.
>
> 3) current status of this student is confirmed- i.e., present, long absent, break of study or discontinued.

15.8 Completion of this registration allows transfer of the records from the online process to the CoEs office through the CoE-MIS for examination processes. **If a candidate fails to register within 7 working days of the commencement of a semester he/ she will be treated as "LONG ABSENT" and will be permitted for the end semester examinations only on the recommendation by HoDs/ principals, for late registrations through proper channel.**

15.9 The CBCS online process also allows record of attendance and CIA conducted for the said electives during the current semester using the e-attendance system by the identified course transactor. Such a facility allows effective communication between the elective offering departments and the program offering departments. CBCS office monitors students who maybe lacking attendance for electives in advance and informs the concerned HoDs giving time for improvement.

15.10. Break- in study as prescribed under carry over clause 17 for programs is applicable for core and DE category of courses ONLY (if Grade obtained is RA). For courses under the category GE, AE or SE, student is eligible to advance to the registration of electives in the subsequent semesters as per the prescribed regulations. This has been permitted to prevent student – drop - out rates and encourage them to remain in contact with their parent departments. In line with 9.5 clause, if the a candidate is detained with 'NC grade' of the core courses, it shall be treated as "Break of Semester/ Study' and shall seek permission from Dean of Students for enrolling in the said semester (*vide*, 11). **Registration of electives (GE/ SE/ AE) for the next semester shall be permitted only when he/she registers for the said semester.**

16 Requirements to receive Hall- ticket:

16.1 Student can download the hall ticket from the university portal if there are 'NO Dues' with administration or in the department.

16.2. For students completing the degree program, they may receive the final mark statement, transcript, provisional degree, Transfer Certificate and Conduct Certificate by applying with a written request and completing the University **NO DUES CARD.** The concerned department ensures that the student has no dues and is found eligible to receive all the above documents thereafter.

17 CARRY OVER OF 'RA' GRADE COURSE(S) [Reappearance] and BREAK IN SEMESTER:

Applicable for all candidates admitted to the CBCS programs in June 2019 onwards

Candidate with NC grading indicates detained (vide, 9.4; 9.5) in a course (s) and are not eligible to appear for the end Semester examinations. The candidate should attend classes, register for and repeat the course with NC grade as scheduled and monitored by the departments (HoD and Student Advisor; *vide*, 9.1.iv; 9.5) and cannot be permitted to advance in the study program.

Note: Advancing to next semesters of their study program is governed by regulations for 'NC' grade in a course vide 9.1 & 9.5.

Candidates **eligible** for appearing in the end semester examination and earning a "RA" grade in a Course (s) shall be permitted to carry over the course (s) to the next semester subject to the stipulated conditions infra.

THE CARRY OVER OF 'RA' GRADE COURSE(S) [Reappearance] and BREAK OF STUDY regulations for students admitted in 2015 to 2018 shall follow the regulations specified in the CBCS common Regulations, updated upto 2018.

17.1 FOR 3 years UG DEGREE CBCS PROGRAMS:

a) Students are permitted to carry-over the 'RA' Grade course(s) from first to second semester only. Should there be credits pending [RA grade Course], he/she will take a break of study and reappear for the assessments / attendance for the course (s) [CT/CL; DE/ DL; CR/CT; RP) before advancing to the 3rd semester. Candidates with 'RA' grade in electives (GE, AE, & SE) shall be permitted to register and continue to 3rd semester.

b) Students are permitted to continue the course of study from 3rd semester upto 5th semester. At the end of this semester, he/ she shall have earned all the credits offered thus far.

c) Student will be permitted to enter 6th semester (final) only after passing all the courses (CT, DE, GE, AE, SE and labs) from I to V semesters of the UG program (refer Table 17).

d) However such a student is permitted to continue the course work of the 6th semester for UG Program. During the end semester examinations the student can appear only for the arrears. The 6th semester course(s) can be attempted during the next End Semester exams if the student has no other arrears.

e) As specified in their regulations, the student should pass both theory and practical examinations [result in Group] in order to earn the credits wherever indicated for a course. If the student fails in any one of the examinations (Theory/practical) he/she should reappear for both theory and practical examinations.

f) The maximum period of study permissible to complete the courses and program will be governed by the General Regulations 19 infra.

Table17: The table below provides the Program Specific requirements for sequentially advancing in the semesters.

Program Code	AUNT; GUHS; BUDS; BUIF; BUHI; CUCL	AUAH; AURD	AUSS; AUTC; AUOP; BUBM; AUMM; HUEH	TUPT	AIMR	ALL PG Programs- NC grade in a course (s)
Specified Degree	B.Sc./ BBA	B.Sc. Hons.	B.Sc. Hons./ B. OPTOM	BPT	M.Sc. (5 year)	ALL PG
Study period of a program	3 yr	3+1 yr or 6 months internship/ Project	3+1 yr or 6 months internship/ Project	4+1/2 yr internship	4+1 yr internship	2 years
The final YEAR for core courses	III	III	III	IV	IV	2 years
Break semester	**2, 5**	**2, 6**	**3, 6**	**2, 8**	**2, 8**	**3**
Internship Semester (s)	nil	7, 8	7, 8	9	9, 10	Final Project/ internship – IV semester

17.2 FOR 4 or 41/2 years UG and INTEGRATED DEGREE, CBCS PROGRAMS:

a) Students are permitted to register for reappearance in ESE for RA grade earned in a course upto semesters (Semester 2 or 3, respectively) specified in the above table 17. Should there be credits pending [RA grade Course] in Core (CT, CL, DE, DL, RP, CR) course (s), he/she will take a break of study and reappear for the ESE for these course (s) only before advancing to the next semester. RA grades in elective course (s) [GE/GL; SE/ SL; AE) alone can be

carried forward upto the 6th or 8th semester for the respective programs as indicated in table 17 above.

b) Student will be permitted to enter 7th semester or Internship (4th year/ 9th semester) only after earning all the prescribed credits for all the courses (CT, DE, GE, AE, SE and labs) from I to VI/ VIII semesters of the respective UG programs specified above.

c) As specified in their regulations, the student should pass both theory and practical examinations [result in Group] in order to earn the credits wherever indicated for a course. If the student fails in any one of the examinations (Theory/practical) he/she should reappear for both theory and practical examinations.

d) The maximum period of study permissible to complete the courses and program will be governed by the General Regulations 19 infra.

17.3. CARRY OVER OF 'RA' GRADE COURSE(S) [Reappearance] and BREAK OF SEMESTER FOR PG PROGRAMS:

a) Candidates are permitted to carry over the courses until the end of the PG program.

b) Students with **'NC'** grades (vide 9.4 & 9.5 of CBCS guidelines, 2019) in a course (s) shall not be permitted to continue the 4th semester of the PG Program until they complete the requirements for eligibility to appear for the examinations for such courses (Table 17).

c) The student should pass both theory and practical examinations [Result in Group] in order to earn the credits in the courses indicated. If the student fails in any one of the examinations (Theory/practical) he/she should reappear for both theory and practical examinations.

18. BREAK OF STUDY FROM A PROGRAM:
The University regulations for readmission are applicable for a candidate seeking re-entry to a program.

a) Students admitted to a program and absenting for **≥3 months** must seek readmission into the appropriate semester as per university norms.

b) The candidates having a break of study of 6 months and above but less than one year shall apply for re-admission in the prescribed form to the Dean of Students/ DoF of the University and remitting the stipulated fee for condonation. The candidates may be re-admitted in corresponding program of study at the commencement of the semester and shall undergo a minimum period of study of 3 months. After the fulfillment of the regulations of this University, he/she shall be admitted for the examination. The candidate shall be granted exemption in the subjects they have already passed.

c) The candidates having a break of study of ≥ one year shall apply for re-admission in the prescribed form to the Dean of Students / DoF of the University and remitting the stipulated fee for condonation. The candidates may be permitted to re-join the program in the beginning of the session / semester of a program as the case may be and **will not be granted** any exemption in any subject they may have already passed. They shall subscribe to the regulations of this University.

d) Candidates having a break of study of two years and above from date of admission and more than two spells of break will not be considered for re-admission.

e) The two years period of break of study shall be calculated from the date of first admission of the candidate to the program inclusive of all the subsequent spells of break of studies.

f) Candidates having break of study shall be considered for re-admission provided that they are not subjected to any disciplinary action and no charges are pending or contemplated against them.

g) The students permitted to rejoin a program after break of study/ prevention (detained) due to lack of attendance, shall be governed by the Curriculum and Regulations in force at the time of rejoining.

h) All re-admissions of candidates are subject to the approval of the Vice-Chancellor.

19. RE-EVALUATION OF SCRIPTS:

Re-evaluation system for the theory courses (all categories) is in place. After the release of grade cards to the students the student can apply for re-evaluation within seven working days from the starting date of issue of mark sheets from the office. The University regulations for the same are applicable.

20. RANKING

The first two ranks to every UG/PG programme will be decided on the basis of grades of CGPA in the courses (core and DE courses only). In case of a tie, marks % [of core and DE courses only] will be taken into account.

21. CLASSIFICATION OF SUCCESSFUL CANDIDATES

Overall Performance in a Program and Ranking of a candidate is in accordance with the University regulations.

Cumulative Grades and Grade Point Average

Consolidated Grade Card		
Letter Grade	CLASSIFICATION	CGPA RANGE
O	**First Class with Distinction**	9.01 – 10
A+	**First Class**	8.01 - 9.00
A	**First Class**	7.01 - 8.00
B+	**First Class**	6.0 1- 7.00
B	**Second Class**	5.01- 6.00
For UG Programs		
C	**Pass**	4.51 – 5.00
D	**Pass**	4.00 - 4.50

A successful candidate

(i) Who secures not less than O grade with a CGPA of 9.01 – 10.00 shall be declared to have secured '**OUTSTANDING'** provided he/she passes the whole examination in the FIRST ATTEMPT;

(ii) Who secures not less than A+ grade with a CGPA of 8.01 – 9.00 shall be declared to have secured '**EXCELLENT'** provided he/she passes the whole examination in the FIRST ATTEMPT;

(iii) Who secures not less than A grade with a CGPA of 7.01 –8.00 and completes the course within the stipulated course period shall be declared to have passed the examinations with "**Very Good**"

(iv) All other candidates (with grade D and above) shall be declared to have passed the examinations.

22. DISCHARGE OF STUDENTS FROM COURSES (*Vide,* General rules of Discipline of this DU)

If a student admitted to a course of study in this University is for any reason not able to complete the course or qualify for the degree by passing the examinations prescribed within a period comprising twice the duration prescribed in the Regulations for the concerned program, he/she will be discharged from the said program, his/her name will be taken off the rolls of the University and he/she will not be permitted to attend classes or appear for any examination conducted by the University thereafter.

23. ADMINISTRATION OF CBCS

23.1 CBCS OFFICE

To discharge the responsibilities of CBCS programs of the University, there is an exclusive administration wing called CBCS Office. The CBCS Office has the following functions:

- Course Registration- **online**
- Coordination of Time Table
- Attendance and verification of credits earned for the semester - online process
- Coordinating with the HoDs/ chairpersons to solve problems and ensure smooth conduct of program
- Coordinating with the students affairs section
- Coordinating with the Controller of Examinations for smooth conduct of the End-Semester examinations including submission of the consolidated IA marks.
- Declaring the candidates detained status
- Contribute to preparation of Academic Calendar
- Availability of the latest handbook, elective syllabus and Common Core course syllabus on the website and portal for ease of access by students and faculty.

23.2 Coordinator of CBCS and CBCS Co-Ordinating Committee:

The Coordinator (CBCS) will plan and coordinate all CBCS programs. One of the senior faculty members of the participating programs in the CBCS model will be the Coordinator (CBCS) for programs of this DU. He/ She will be provided with necessary administrative support in terms of infrastructure and manpower. The Coordinator CBCS will be assisted by a committee consisting of two of the Heads of the departments coming under the Faculties of Allied Health Sciences, Biomedical Sciences & Technology, Management, Public Health and Physiotherapy. Other HoDs/ course chairpersons along with the student advisors will be invitees to solve specific issues. The responsibilities of the Coordinator (CBCS) and the CBCS committee include:

- Preparation of Academic Calendar and CBCS Regulations
- Planning and scheduling examinations of electives- IA and ES
- Coordination of Program between Faculties and other external institutions, where ever feasible for electives
- Consideration of appeals from students regarding the operational problems relating to CBCS
- Resolving allocation of electives/ registration for the semester courses
- Coordinating between the university management, departments, students' affairs section and the CoEs office.
- Planning and organizing meetings to address and resolve matters pertaining to CBCS regulations and placing for approval in the Academic Council

All decisions will be finalized after approval by the Vice Chancellor, Professor of Eminence and Dean (Research), Dean of Faculties/ Dean Education/ Dean Students and then circulated for action.

This CBCS office has the official university communications email id: cbcs@sriramachandra.edu.in; telephone no: 45928610; extn: 3212

24 Process and Flow of Information under the CBCS Model:

24.1 Upon admission to a program, the student undergoes an orientation program especially to the CBCS model of Curriculum by the HoD/ Course Chair Persons & the Student Advisor. Candidates then seek advice and meet with the student Advisor to select the Electives/ Skills Enhancement Courses. They then proceed to register using the **Program Pre-Registration Card online** through the university website. CBCS Office allocates the final choices of the electives and informs the students and the concerned departments. The final list of students registered for each elective is then communicated as hard copy to the HoDs/ Course Chairpersons. Students are requested to register for the said electives by appending their signature in acceptance with approval by the HoDs/ Course Chairpersons. A soft copy of the registered students is then submitted to the program offering and elective course offering departments for their official use. After final registration, (within 10 days), the signed elective registration document (2 copies) will be sent by HoDs/ Course chairpersons to the CBCS office. After verification it will be forwarded to the Students' Affairs Section through Dean of Faculties.

Completion of this registration allows transfer of the records from the online process to the CoEs office through the CoE-MIS for examination purpose

Attendance and timely conduct of CIA for electives (as per schedule in 8.6.1) will be maintained online at the CBCS office. Information of students lacking in attendance or performance will be intimated to the HoDs by CBCS coordinator for rectification. All communication to and from the CBCS office to all concerned offices will use the CBCS menu provided in the website, announcements page therein and emails.

24.2 The process of submitting the Continuous Internal Assessments:

Continuous Assessments for a each course - Core/ Elective/ Ability enhanced Courses along with the attendance shall be submitted to the HoDs/ course chairpersons of the core program to which the candidate belongs by uploading on the MIS. The completed and consolidated assessments shall be submitted through the Dean of Faculties to the **Student Affairs section after verification at the** CBCS office. This process also is essential to determine the students who have been detained for lack of attendance or performance in a course.

25. BOARD OF STUDIES

25.1   A Common Board of Studies for CBCS headed by a chairperson (Dean Research) was constituted in 2015 to effectively formulate the common regulations of CBCS and introduce the model curriculum for the existing health care related programs at this DU These common rules and regulations were presented in the form of the CBCS handbook, 2015-2016. Each program is also advised by the **individual BoS** [consisting of eminent scholars, academicians and industrialists] constituted by the Registrar and Academic Office of this DU.

The Professor of Eminence and Dean (Research), Dean of Faculties, Dean Education, Registrar; CoE; Deans; the Heads of all departments/ course chairpersons offering CBCS program at this Deemed to be University, along with external experts with experience of having framed CBCS program and other university approved officials advice and guide us in introduction of new programs/ electives, update the programs offered, improve and streamline these regulations and processes throughout the year. These modified / amendments to the general CBCS guidelines for the DU has been provided as the 'Regulations of Choice Based Credit System (CBCS)' every year.

A committee consisting of the Deans, Principals, Course Chair Persons, DU officials formulate and recommend:

- Eligibility criteria for admission to CBCS Program
- Model Question Papers for each course
- Conduct of electives
- Assessment procedures
- Regulations for passing grade and any other matter

The recommendations and minutes are approved by the Vice Chancellor for implementation.

25.2   After due approval by individual CBCS programs, the HODs' Committee will prepare the common time table in consultation with the Coordinator (CBCS). The HODs committee/ CBCS Committee will be convened by the Coordinator (CBCS) and will meet at least twice in a semester.

25.3 Health Sciences Curriculum Committee: This new committee constituted by the Vice Chancellor has specifically taken up the goal of benchmarking and improving the quality of the CBCS programs and map it to the outcomes for the programs. This committee shall be responsible to improve the curriculum content, assessment patterns and teaching/ learning outcomes before placing it for the BoS for each program.

26. Departmental Curriculum Committee

There shall be a Departmental Curriculum Committee consisting of all the teachers of the Department. The Department will deliberate on courses and specify the distribution of credits semester-wise and course-wise; for each course. It will also specify the number of credits for lectures, tutorials, practicals, seminars etc.

Courses (Core/Elective) are designed by teachers and approved by the departmental curriculum committees. Courses approved by the Departmental curriculum committees shall be approved by the Board of Studies.

26.1. Course Instructor or transactor: A teacher offering a course will also be responsible for maintaining attendance and performance sheets of all the students registered for the course.

26.2.   The Head of the Department along with all the Course Instructors will be responsible for conducting all the components of CIA for each of the semesters as specified in the Regulations. The HOD, with their assistance will in turn consolidate all such performance sheets of courses pertaining to the program offered by the department. They will assist in forwarding the performance in IA, lack of attendance/ long absence of students in courses or semesters; reentry of students after long absence and status of the registration of students for a semester through proper channel.
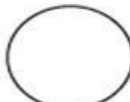
27 Amendments

Sri Ramachandra Institute of Higer Education and Research (Deemed to be University) reserves the right to change/ amend the rules, from time to time. Students will be informed of the changes through general circulars displayed on the hostel notice boards/ Deemed University portal.

28 Declarations by Students and Parents

As per the Regulations of the UGC/ Statutory professional councils every student and his/her parent should submit duly signed declarations as indicated in the ANNEXURES (provided in the Students Manual) and any other declaration as may be prescribed from time to time at the time of admission and also as and when required during the program of his/her study in this Deemed University.

Not withstanding anything in the foregoing, in respect of matters not specifically covered, it shall be competent for the VC to take a decision.

Appendices included are Semester- wise Pre- Registration card; List of Program; List of Electives- Program specific and Semester specific.

SRI RAMACHANDRA
INSTITUTE OF HIGHER EDUCATION AND RESEARCH
(Deemed to be University)
Accredited by NAAC with "A" grade
Porur, Chennai- 600116

CHOICE BASED CREDIT SYSTEM
PROGRAM REGISTRATION
Semester-wise Registration for Courses - Academic Year 2018- 2019

UG/PG:	UG		Program Name:		B Sc (CLINICAL NUTRITION)	YEAR OF STUDY:	2018-2019
SL. No.							
1	NAME OF STUDENT:			ABINAYA S			
2	PROGRAM STUDYING:			B Sc.(CLINICAL NUTRITION)			
3	YEAR AND BATCH:			2016-2017			
4	SEMESTER PURSUING:			III			
5	REGISTRATION NO./ BAR CODE:			A0916001			
6	CONTACT DETAILS:			SRMC & RI (DU)			
7	EMIAL ID:			ABI.CUTE@GMAIL.COM			
8	PHONE NO.:			2222			

REGISTRATION FOR COURSES :

C. No.	COURSE CODE	CATE GORY	COURSE TITLE	RG	CHOICES	CREDIT
15	UNT15CT201	CT-1	NUTRITION THROUGH LIFE CYCLE	C		4
16	UNT15CT203	CT-2	NUTRITION ASSESSMENT- PRINCIPLES AND TECHNIQUS			4
17	UNT15DE205	DE-2	INTRODUCTION TO FOOD MICROBIOLOGY			3
18	UNT15GE207	GE-4	GENERIC ELECTIVE (GE1)- TO BE CHOSEN		**AGE011**	3
					PGE002	
					BGE014	
19	UNT15GE209	GE-5	GENERIC ELECTIVE (GE2) TO BE CHOSEN		AGE024	3
					TGE002	
					GGE001	
20	UNT15AE211	AE-2	FOOD PRESERVATION, PACKAGING AND LABELLING- PRINCIPLES AND TECHNIQUES			2
21	UNT15SE213	SE-3	SKILLS ENHANCEMENT - TO BE CHOSEN		BSE002	2
					GSL002	
					ASL017	
22	UNT15CL251	CL-5	LABORATORY TECHNIQUES IN NUTRITION (PRACTICALS)	C		4
	UNT15CL253	CL-6	NUTRITION ASSESSMENT- PRINCIPLES AND TECHNIQUES (PRACTICALS)			1
TOTAL CREDITS						26

	STUDENT	STUDENT ADVISOR	HEAD OF DEPARTMENT
SIGNATURE:			
Name:			
Designation:			
Date of submission:			SEAL OF THE DEPARTMENT
TO BE FILLED AND SENT TO CBCS OFFICE WITHIN ONE WEEK OF REGISTRATION			

NOTE: This online elective registration process is indicative of the electives chosen by the student. ELIGIBILITY FOR ADMISSION TO EXAMINATIONS OR ADVANCING TO THE NEXT SEMESTER IS GOVERNED BY THE REGULATIONS FOR A PROGRAM.

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List of Programs coming under the CBC System, 2015- 2016, updated upto 2019.

Type, Duration and Nomenclature

S. No.	Prog. Code	Degree Nomenclature (vide, UGC)	PROGRAM Name	Duration of PROGRAM in Years	Credits	Offering Department	Program start Year
			UNDERGRADUATE (UG)				
			Faculty of Allied Health Sciences				
1	[A01] AUAH	B. Sc. (Hons)	Bachelor of Science (Hons) (Allied Health Science)	3 Years + 1 year CR	150+30	Allied Health Sciences	2015
2	[A03] AUTC	B. Sc.	Bachelor of Science (Trauma Care Management)	3 Years + 1 year CR	150+30	Accident and Emergency Medicine	2015
3	[A04] AUOP	B. Optom	Bachelor of Optometry	3 Years + 1 year CR	150+30	Optometry	2015
4	[A06] AUNT	B. Sc.	Bachelor of Science (Clinical Nutrition)	3 year	150	Clinical Nutrition	2015
5	[A08] AUMM	B Sc. (Hons)	Medical Microbiology & Applied Molecular Biology	4 years	180	Microbiology	2017
6	]A10] AURD	B Sc. (Hons)	B. Sc [Hons] Radiotherapy Technology *	4 years	160	Allied Health Sciences	2019
			Faculty of Biomedical Sciences, Technology & Research				
7	[B01] BUBM	B. Sc. (Hons)	Bachelor of Science (Hons) (Biomedical Sciences)	3 year+1 year Research Internship	150+30	BMS	2015
8	[B02] BUDS	B Sc.	Data Sciences	3 Years with internship	130	Bioinformatics	2018
9	[B04] BUIF	B Sc.	Bioinformatics	3 Years with internship	130	Bioinformatics	2018
10	[B03] BUHI	B Sc.	Health Informatics	3 Years with internship	130	Bioinformatics	2018
			Faculty of Management				
11	[G01] GUHS	BBA	Bachelor of Business Administration (Hospital & Health Systems Management)	3 year	150	College of Management	2015
			Faculty of Physiotherapy				
12	[T01] TUPT	BPT	Bachelor of Physiotherapy	4 ½ year	199+16	College of Physiotherapy	2015
			Faculty of Public Health [H]				
13	[H21] HUEH	B Sc. (Hons)	Environmental Health Sciences	4 years	170	College of Public Health	2018
			FACULTY OF SPORTS & EXCERCISE SCIENCES [E]				
14	[E01] EUSS	B Sc. (Hons)	Sports & Exercise Sciences	3 Years + 1 year CR	150+30	Arthroscopy and Sports Medicine	2015
			FACULTY OF CLINICAL RESEARCH [C]				
15	[C01] CUCL	B Sc.	Clinical Research *	3 years	172	Clinical Research	2019
			INTEGRATED (IN)				

			Faculty Allied Health Sciences				
16	[A11] AIMR	M. Sc.	Master of Science (Medical Radiology and Imaging Technology)	5 year	250	AHS	2015
			MASTERS PROGRAMS				
			Faculty of Allied Health Sciences				2015
17	[A25] APMI	M. Sc.	Master of Science (Medical Imaging Technology)	2 year	100	AHS	2015
18	[A22] APNS	M. Sc.	Master of Science (Neurosciences)	2 year	100	AHS	2015
19	[A26] APRS	M. Sc.	Master of Science (Renal Sciences & Dialysis Technology)	2 year	100	AHS	2015
20	[A23] APML	M. Sc.	Master of Science (Medical Laboratory Technology)	2 year	100	AHS	2015
21	[A27] APCN	M. Sc.	Master of Science (Clinical Nutrition)	2 year	100	Clinical Nutrition	2015
22	[A28] APEC	M. Sc.	Master of Science (Trauma Care Management)	2 year	100	Accident and Emergency Medicine	2015
23	[A29] APCD	M. Sc.	Master of Science (Applied Child Development)	2 year	100	Paediatric	2017
24	[A30] APPF	M. Sc.	Master of Science (Perfusion Technology)	2 year	100	Cardiothoracic	2017
25	[A31] APUT	M. Sc.	Master of Science (Urology Technology)	3 year	100	Urology	2018
26	[A34] APMO	MOPTOM	M OPTOM	2 years	100	Optometry	2018
27	[A35] APMP	M Sc.	Master of Science (Medical Psychology) *	2 years	90	Clinical Psychology	2019
28	[A36] APCP	M Sc.	Master of Science (Clinical Psychology) *	2 years	90	Clinical Psychology	2019
29	[A38] APCI	M. Sc.	Master of Science (Clinical Immunology) *	2 years	90	Transfusion Medicine	2019
30	[A37] APRE	M.Sc.	Master of Science (Respiratory Therapy) *	2 years	90	AHS	2019
			Faculty of Biomedical Sciences, Technology & Research				
31	[B14] BPBB	M. Sc.	Master of Science (Biomedical Sciences)	2 years	100	Biomedical Sciences	2018
32	[B13] BPBI	M .Sc.	Master of Science (Medical Bioinformatics)	2 years	100	Bioinformatics	2015
33	[B12] BPBT	M. Sc.	Master of Science (Biotechnology)	2 years	100	Biotechnology	2015
34	[B11] BPHG	M. Sc.	Master of Science (Human Genetics)	2 years	100	Human Genetics	2015
35	[B15] BPRT	M. Sc.	Master of Science (Applied and Regulatory Toxicology) *	2 years	100	CEFT	2019
			Faculty of Management				
36	[G02] GPHM	MBA	Master of Business Administration (Hospital & Health Systems Management)	2 year	100	College of Management	2015
			Faculty of Physiotherapy				
37	[T02] TPOT	MPT	Master of Physiotherapy (Orthopaedics & Traumatology)	2 year	100	College of Physiotherapy	2015
38	[T03] TPNS	MPT	Master of Physiotherapy (Neurosciences)	2 year	100	College of Physiotherapy	2015
39	[T04] TPCS	MPT	Master of Physiotherapy (Cardio Pulmonary Sciences)	2 year	100	College of Physiotherapy	2015

40	[T05] TPOG	MPT	Master of Physiotherapy (Womens' Health)	2 year	100	College of Physiotherapy	2015
			Faculty of Public Health				2015
41	[H01] HPPH	MPH	Master of Public Health (Occupational and Environmental Health)	2 year	100	Environmental Health Engineering	2015
			FACULTY OF SPORTS & EXCERCISE SCIENCES [E]				
42	[E21] EPSM	M Sc	Biomechanics *	2 years	80		2019
43	[E22] EPBK	M Sc	Biokinetics *	2 years	80		2019
			FACULTY OF CLINICAL RESEARCH [C]				
44	[C21] CPCR	M Sc	Clinical Research *	2 years	90		Clinical Research

*- Programs to be started in 2019 after completing BoS requirements.

SEMESTER –Wise List of Electives- upto 2018

A.1 LIST OF GENERIC ELECTIVE COURSES OFFERED BY SRU DEPARTMENTS [Credits = 3]

S No.	Elective Code	Title	Department	Semester	UG/PG
1	AGE007	Clinical Examination of Visual System	Optometry	1	UG
2	AGE016	Basics of Food and Nutrition	Clinical Nutrition	1	UG
3	AGE023	Basics of Yoga & practice	AHS	1	UG
4	AGL035	Practice of Yoga	AHS	1	UG
5	AGE028	Noise exposure and its effects	Speech Language & Hearing Science	1	UG
6	AGE030	Fundamentals of Occupational Health	Environmental Health Engineering	1	UG
7	AGE034	Psychology of Addiction	Clinical Psychology	1	UG
8	BGE001	Introduction to Human Genetics	Human Genetics	1	UG
9	BGE014	Medical Entomology	Biomedical Sciences	1	UG
10	BGE016	Applied Biotechnology	Biomedical Sciences	1	UG
11	GGE002	Team Building & Leadership	Management	1	UG
12	PGE001	Herbal Drug Technology	Pharmacy	1	UG
13	AGE006	Airway Management ECG & Emergency Drugs	Accident and Emergency Medicine	1	PG
14	AGE020	Advanced Exercise Physiology	Arthroscopy and Sports Medicine	1	PG
15	BGE002	Principles of Genetics	Human Genetics	1	PG
16	GGE015	Training & Development	Management	1	PG
17	AGE001	Personality Development and Stress Management	Clinical Psychology	2,4,6	UG
18	AGE003	Organizational Behavior	Clinical Psychology	2,4,6	UG
19	AGE005	First Aid Management & Splinting Techniques	Accident and Emergency Medicine	2,4,6	UG
20	AGE009	Eye Banking	Optometry	2,4,6	UG
21	AGE010	Visual diagnostic for children	Optometry	2,4,6	UG

22	AGE015	Malnutrition and Public Health	Clinical Nutrition	2,4,6	UG
23	AGE018	Exercise Physiology	Arthroscopy and Sports Medicine	2,4,6	UG
24	AGE031	Biomedical Waste Management	Environmental Health Engineering	2,4,6	UG
25	AGE032	Health Behaviour	Clinical Psychology	2,4,6	UG
26	BGE015	Lifestyle Disorders	Biomedical Sciences	2,4,6	UG
27	BGE017	Food Microbiology	Biomedical Sciences	2,4,6	UG
28	BGE019	Nutrition in Health & Diseases	Biomedical Sciences	2,4,6	UG
29	BGE021*	Introductory Biostatistics	Bioinformatics	2,4,6 ; 3,5,7	UG
30	BGE027	Health care Biotechnology	Biotechnology	2,4,6	UG
31	BGE029	Plant Tissue Culture Technology	Biotechnology	2,4,6	UG
32	BGE030	Marine Biotechnology	Biotechnology	2,4,6	UG
33	GGE009	Hospital Operations Management	Management	2,4,6	UG
34	GGE019	Basic Course In Entrepreneurship	Management	2,4,6	UG
35	MGE001	Mind Body Medicine	Physiology	2,4,6	UG
36	MGE002 *	Womens Health	General Medicine	4,6,8	UG
37	TGE002	Exercise Prescription in Women's Health	Physiotherapy	2,4,6	UG
38	AGE002	Health Psychology	Clinical Psychology	2,4,6	PG
39	AGE004	Counseling and Guidance	Clinical Psychology	2,4,6	PG
40	AGE017	Food and Nutrition In Emergencies	Clinical Nutrition	2,4,6	PG
41	BGE011	Clinical Genetics - Principles and applications	Human Genetics	2,4,6	PG
42	BGE023*	Bioinformatics	Bioinformatics	2,4,6	PG
43	BGE024	Hospital Information Management Systems	Bioinformatics	2,4,6	PG
44	BGE025	Chemi-informatics	Bioinformatics	2,4,6	PG
45	BGE026	Nano-diagnostics	Biotechnology	2,4,6	PG
46	BGE037	Alternative Models for Experimental Toxicology	Biotechnology	2,4,6	PG
47	PGE007	Pharmacovigilance	Pharmacy	2,4,6	PG
48	AGE008	Sports Vision	Optometry	3,5,7	UG
49	AGE014	Occupational Nutrition	Clinical Nutrition	3,5,7	UG
50	AGE024	Pranayama	AHS	3,5,7	UG
51	AGL036	Pranayama Excercises	AHS	3,5,7	UG
52	AGE029	Basic concepts in Voice and its efficient use	Speech Language & Hearing Science	3,5,7	UG
53	AGE033	Basic Psychology	Clinical Psychology	3,5,7	UG
54	BGE012	Trends in Tissue Engineering and Regenerative Medicine	Centre for Regenerative Medicine & Stem Cell	3,5,7	UG

		Research			
55	BGE018	In vitro Bioassays of Natural Products	Biomedical Sciences	3,5,7	UG
56	BGE020	Basic Computing	Bioinformatics	3,5,7	UG
57	BGE021*	Introductory Biostatistics	Bioinformatics	2,4,6 ; 3,5,7	UG
58	BGE022	Intermediate Mathematics	Bioinformatics	3,5,7	UG
59	BGE032	Algal Biotechnology	Biotechnology	3,5,7	UG
60	BGE036	Nanotechnology	Biotechnology	3,5,7	UG
61	BGE038	Basic Radiation Biology	Human Genetics	3,5,7	UG
62	PGE002	Green Chemistry	Pharmacy	3,5,7	UG
63	PGE003	In vitro Screening Methods	Pharmacy	3,5,7	UG
64	PGE004	Intellectual Property Rights	Pharmacy	3,5,7	UG
65	PGE005	Good Manufacturing Practice (GMP)	Pharmacy	3,5,7	UG
66	TGE003	Physical Health	Physiotherapy	3,5,7	UG
67	GGE020	Advance Course In Entrepreneurship	Management	3,5,7	UG
68	AGE011	Functional Foods and Nutraceuticals for Health Promotion	Clinical Nutrition	3,5,7	PG
69	AGE012	Nutrition Support Techniques	Clinical Nutrition	3,5,7	PG
70	AGE022	Exercise Psychology	Arthroscopy and Sports Medicine	3,5,7	PG
71	BGE013	Translational Biology	Centre for Regenerative Medicine & Stem Cell Research	3,5,7	PG
72	BGE031	Antimicrobial Agents	Biotechnology	3,5,7	PG
73	GGE018	Basics of Hospital Management	Management	3,5,7	PG
74	PGE006	Good Clinical Practice	Pharmacy	,5,7	UG
75	PGE008	Analytical Instrumentation Techniques	Pharmacy	3,5,7	PG

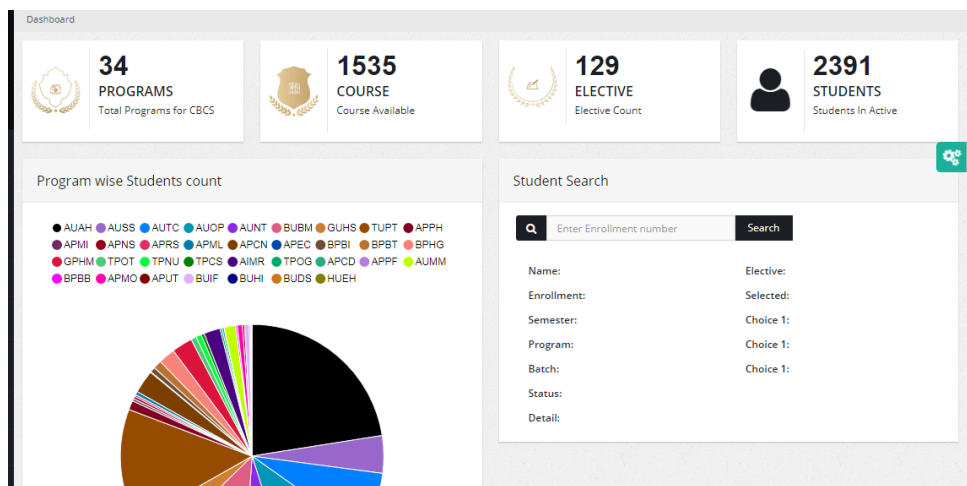## SEMESTER –Wise List of Skills Enhancement Courses Electives

C. LIST OF SKILLS ENHANCEMENT COURSES OFFERED BY SRU DEPARTMENTS [Credits = 2]					
S. No.	Elective Code	Title	Department	Semester	UG/PG/ IN
1	ASE 002	Applied Psychology	Allied Health Sciences	1	UG
2	ASE 006	Bakery and Confectioneries	Clinical Nutrition	1	UG
3	BSE 003	Fundamentals in Analytical Laboratory Skills	Biomedical Sciences	1	UG
4	ASE013	Professional skills Development	Environmental Health Engineering	1	PG
5	ASL011	Health Science Data Analysis using R-Statistical Software	Environmental Health Engineering	1	PG
6	ASE 008	Introduction To Communication	Speech Language and	2,4,6	UG

		Disorders And Rehabilitation	Hearing Science		
7	ASE 010	Basic quantitative research tools for clinical and public health research	Environmental Health Engineering	2,4,6	UG
8	ASL014 *	National service scheme and Nation Building	NSS office	2,4,6	UG
9	ASL016 *	Basic Life Support	Accident & Emergency	2,4,6	UG
10	BSE 002	Human Rights and Value Education	Biomedical Sciences	2,4,6	UG
11	BSE 004	Public Health and Hygiene	Biomedical Sciences	2,4,6	UG
12	DSL001 *	Tooth Wisdom	Dental	2,4,6	UG
13	GSL001 *	Physician Office Management	Management	2,4,6	UG
14	NSL001 *	Diabetic foot care	Community Nursing	2,4,6	UG
15	TSL001 *	Ergonomics and Health promotion	Physiotherapy	2,4,6	UG
16	ASE 012	Occupational Health Services	Environmental Health Engineering	2	PG
17	MSL001 *	Introduction to the principles and practice of infection prevention and control	Microbiology	2	PG
18	ASL015 *	Culinary Skills for optimal nutrition	Clinical Nutrition	3,5,7	UG
19	ASL017 *	Library Science and E-Resources	Central Library	3,5,7	UG
20	BSE 001	Good Laboratory Practices	Biomedical Sciences	3,5,7	UG
21	BSL015 *	Medical Transcription	BMS	3,5,7	UG
22	BSL016 *	Basics of Electronics	BMS	3,5,7	UG
23	GSL002 *	Interpersonal Skills	Management	3,5,7	UG
24	ASE 009	Functional Language Skills	Language Department	3,5	PG

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Compiled by Prof. R Sivakumar, CBCS Coordinator