SRI RAMACHANDRA
INSTITUTE OF HIGHER EDUCATION AND RESEARCH

(Category - I Deemed to be University) Porur, Chennai

Cycle 3 accreditation at 'A++' **Grade by NAAC**

Porur, Chennai 600 116

Handbook ON

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

Updated FOR THE ACADEMIC YEAR, 2021– 2022

IMPORTANT NOTE:

THE HANDBOOK 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, 2021-2022 SHALL BE APPLICABLE.

THE ABOVE GUIDELINES SHALL BE APPLICABLE TO ALL STUDENTS ALREADY ADMITTED AND TO BE ADMITTED TO A PROGRAM OF STUDY IN THIS DEEMED UNIVERSITY.

Updated, 2022

CONTENTS

S. No.	Section Number	Title	Page Number
1.	-	Short Title and Commencement	3
2.	1.0	Preamble	3
3.	2.0	CBCS Definition	4
4.	3.0	Definition of Key Words	5
5.	4.0	Curriculum Plan & Design	6
6.	4.1	Semester System and Choice Based Credit System	6
7.	4.2	Semesters	6
8.	5.0	Credits	6
9.	6.0	Types of Courses	7
10.	7.0	Assigning total Credits for a program	8
11.	7.2	Credits and Course delivery components	10
12.	7.3	Course Numbering pattern	10
13	8	Elective Courses- Registration	12
14.	9	Clinical Internship or Research internship:	16
15.	10	Attendance	18
16.	11	Examinations and Assessment	19
17.	12	Computation of SGPA and CGPA	21
18.	11.1	Letter Grades and Grade Points	19
19.	13	Grade Qualifying For a Pass:	22
20.	14	Components of Course Assessments	24
22.	13	Procedures for Assessment of a Course:	21
23.	14	Continuous Internal assessments	23
24.	15	Carryover of Grades	26
25.	16	Break of Study from a Program	28
26.	17	Re-Evaluation of Scripts	29
27	18	Award of the Degree	29
28	19	Ranking	29
29	20	Classification of successful candidates	29
30	21	Discharge of students from a Program	30
31		Guidelines	31 onwards

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

REGULATIONS & GUIDELINES 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:

"THE REGULATIONS ON CHOICE BASED CREDIT SYSTEM (CBCS) - 2015 SRI RAMACHANDRA INSTITUTE OF HIGHER EDUCATION AND RESEARCH (DU), PORUR, CHENNAI – 600116" were passed in the 23rd Academic Council dated 22 May 2015.

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

1. Preamble:

In line with the communication received from the Chairman, University Grants Commission (UGC) letter D.O.No.F.1-1/2015 (CM) dated 8th January, 2015, the decision of the Ministry of Human Resources Development to implement the Choice Based Credit System (CBCS) from the academic session 2015-2016 in all Indian Universities was adopted by this DU. It proposed 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. As per the UGC's directive the performance of the students was reported using the conversion from marks to letter

grades. 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 the 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 SRIHER (DU) has adopted the same.

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 up to 20% in the syllabi of these programs

The duration of the study program and the nomenclature of degrees awarded by this DU, is as per the UGC, SPECIFICATION OF DEGREES, THE GAZETTE OF INDIA, JULY 5, 2014. UG Programs with 120-140 credits in the semester system with 180 annual teaching days 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 a 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. All PG programs shall be two years' duration, with semester-based education providing 80-100 credits for the degree.

SRI RAMACHANDRA INSTITUTE OF HIGHER EDUCATION AND RESEARCH (Deemed to be University), received the Cycle 3 accreditation at 'A++' Grade level with the highest CGPA of 3.53/4.00. It has also been ranked 47th under the NIRF, 2021 ranking for all universities in India. The institution has taken the proactive lead in bringing about the academic reforms of introducing CBCS for the programs offered in the health sciences disciplines under seven of its constituent Faculties after approval of the respective BoS and Academic council.

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 University Departments or from the national SWAYAM platforms.
- Opportunity to students to create their own learning path in the choice of electives.
- Undergo additional courses and acquire more than the required number of credits.
- Adopt an inter-disciplinary and intra-disciplinary approach to 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 creative 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/ self directed learning/ online learning / hybrid learning/ 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 Point**: It is the product of grade point and number of credits for a course.
v. **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 didactic teaching (lecture) or two hours of self-directed learning/ online learning/ practical work/ field work per week.
vi. **Cumulative Grade Point Average (CGPA)**: It is a measure of the 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.
vii. **Grade Point**: It is a numerical weight allotted to each letter grade on a 10-point scale.
viii. **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
ix. **Program**: An educational program leading to the award of a Degree, diploma or certificate.
x. **Semester Grade Point Average (SGPA)**: It is a measure of performance of work done in a semester. It is the 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.
xi. **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.
xii. **Grade Card or Certificate:** Based on the grades earned, a graded 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.
xiii. **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.
xiv. **Clinical rotation/ clinical training**: Is provided within the hospital rounds; it is part of Course work/ semester
xv. **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)
xvi. **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 on grade card (Credits 2-3).

4.0 CURRICULUM PLAN & DESIGN:

All programs under the CBCS shall be FULL TIME, Contact programs supported by online interactive teaching hours with English as the medium of instruction.

4.1 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.

4.2 Semesters: **The annual working days for CBCS would be 200 working days**

An academic year consists of two semesters. A semester normally extends over a period of 15 weeks.

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

5.0 Credits:

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 (L) / self directed learning (SL)/ online learning (OL)/ 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/ SL/ OL - **One credit** for every **two hours** of laboratory/ self directed learning/ online learning 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	Self directed learning/ online learning	Practical	Clinical Training/ Rotation or Internship	Research Project – RP*
	[L]	**[SL/ OL]**	**[P]**	**[CT/CR] OR [IN]**	**[RP]**
1 Credit	1 Hour/ week	2 Hours/ week	2 Hours/ week	3 Hours/ week	2 Hours/ week
RP*	Maximum Credit 20 – 25 / Semester for PG				

6.0 Types of Courses:

A programme consists of a number of courses. A 'Course' is a component (a paper) of a program. Every course offered by any University department is identified by a unique course code. A course may be designed to involve lectures / **S**elf Directed **L**earning Or **O**nline **L**earning, **P**ractical / Laboratory work / seminar / project work / practical training / report writing / Viva voce, etc or a combination of these, to meet effectively the teaching and learning needs and the credits may be assigned suitably.
Courses in a program may be of three kinds:

- **Core Course**
- **Elective Course**
- **Ability Enhancement Course (Foundation Courses)**

6.1 **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 and shall be compulsorily studied by a student as a core requirement for completion of a program of study in a said discipline.

6.2 **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.

6.2.1 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.

6.2.2 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**.**

6.2.3 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/AE/SE shall be as per UGC model curricula [10 - 15% of total credits] example 4 GE and 2 SEs for a B Sc (Hons) program
- Generic electives shall be chosen by a student from a pool of electives offered from the faculties at SRIHER (DU) or from the online MOOCs platforms (NPTEL or SWAYAM) carrying 3 or 2 credits/ course.
- 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.

6.3 Ability Enhancement Courses (AEC): The Ability Enhancement (AE) Courses for 2 credits may be of two kinds: Ability Enhancement Compulsory Courses (AECC) and Skill Enhancement Courses (SEC).

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

6.3.2 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.

7.0 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 onwards. The details of the programs, duration and total credits offered are listed in **Annexure-II.**

7.1. 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: SL/OL:P format. For a 4 credit course format could be:

4:0:0	1:2:1	1:1:2	1:0:3	1:3:0
2:1:1	2:2:0	2:0:2	3:1:0	3:0:1
0:2:2	0:4:0	0:0:4	0:1:3	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	SL/OL	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	SL/ OL	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*.						

7.2 Credits and Course delivery components:

The credits for each course listed will be denoted with components of (L-SL/OL-P-C) where L, SL/OL P, C refer to the Credits assigned to **L**ecture, **S**elf Directed **L**earning Or **O**nline **L**earning, **P**ractical / Laboratory, and Total **C**redit under each of the courses. SL/ OL-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 the peripheral subject of use, emphasis shall also be placed on improving the communication, language and computer skills of the student.

7.3. 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**	**RG**	**Credits/ Week**			
					Lecture (L)	SL/ OL/ Clinical Training (CR)	Practical (P) / Research Project (RP)	**Credits (C)**
3	UBM 15CT 106	Core Theory - 1	Microbiology	B	4	-	-	**4**
8	UBM 15CL 152	Core Lab - 1	Microbiology	B	-	-	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-SL-P-C denotes	Lecture, Self –directed Learning, OL,, 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 SL/OLcredit and 2 hours = 1 credit of practical and the last number indicates the total credit/week (4).
11	RG (results in group)	*Different course code for theory and lab*: 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 7.1. Both course components theory and lab should have similar titles. (i.e., Microbiology).

7.3.1 A model Program coding framework:

Course Number	Ten Digit Course Code	Category	Course Title	Credits/Week				Hours / Semester			
				Lecture (L)	SL/ OL/ Clinical training (CR)	Practical (P)/ Research Project	**Credits (C)**	Lect.	SL/ OL/ CR	Practical	**Total Hours**
1	UBM15CT102	Core Theory - 1	Microbiology	4	-	-	**4**	60	-	-	60
2	UBM15CT104	Core Theory - 2	Physiology	4	-	-	**4**	60	-	-	60
3	UBM15DE108	Discipline Specific Elective - 1	Computer in Biology	2	-1	-	**3**	30	30	-	60
4	UBM15GE110	Generic Elective - 1	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	-	-	4	**4**	-	-	120	120
		Semester- II Total		**17**	**1**	**4**	**22**	**255**	**30**	**120**	**405**

8.0 Elective Courses- Registration:

All electives (GE, SE or AE) offered by SRIHER (DU) have been restructured for online competency-based curriculum. Hence the electives in their older formats shall not be offered from 2021 onwards. The schemes for such of the programs, indicating the older version of the electives shall be amended and executed on the CoE-MIS by the concerned HoDs.

The restructured or new List of Generic Electives, AE and SE courses are provided in Annexure- IV
Syllabii for Common Core/ DE / GE/ GL, SE/ SL, AE Courses are provided in a separate Handbook.

In cases of introducing new electives, the syllabus shall be placed in BoS of the elective offering department. For elective courses offered by departments not under CBCS regulations, they 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.

8.1 Faculty- wise Codes for Elective/ Ability Enhancement Courses:

The Scheme for numbering these electives is provided below:

Elective and Ability Enhancement Courses Faculty 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	Sports and Exercise Sciences	S	SSS
11	Clinical Research	C	CRS
12	Engineering and Technology	E	ENG
13	Audiology and Speech Language Pathology	L	LSP
14	Occupation Therapy	O	OTR

SAMPLE
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	Language Lab	UG
2.	HAE 001	Environmental Science	Ability Enhancement Compulsory	2	Odd	HPH	Environmental Health Engineering	UG
Skill Enhancement Courses								

1.	ASE 002	Applied Psychology	Skill Enhancement	2	Odd	AHS	Clinical Psychology	PG
2.	BSE 002	Human Rights and Value Education	Skill Enhancement	2	Even	BMS	Biomedical Sciences	UG

The six alphanumeric code is used to understand the origin of the elective; as common code used for students to choose from across various programs in a semester; to indicate against a course code in a semester for each student, and for planning an examination schedule for each elective.

S. No.	Code	Detail
1.	A	Faculty Single Letter Code - [AHS]
2.	GE	Generic Elective (GE) to be selected by the student.
3.	AE	Ability Enhancement Course (AE) i.e., English, Math and Environmental Sciences to be completed by all students in the program
4	SE	Skills Enhancement (SE) Course to be selected by the student.
5.	001…	Unique Number
	Candidate studying in UG can opt for a UG level elective ONLY. Students studying the 5 year –Integrated program, such as AIMR choose PG electives from 1st 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.	

8.2 Selection of Generic Elective and Skills Enhancement courses:

The students should apply online in the prescribed format and should reach the CBCS coordinator before the start of the semester. Electives can be chosen from the list given in Annexure IV 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 (For details see G2). If a candidate fails to register within seven working days after commencement of the 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.

8.2.1 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).

8.2.2 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 or 8 weeks; credits 3]; Ability enhancement [AE; 30 hrs or 4 weeks; credits 2] or Skills enhancement Courses [SE; 30 hrs' or 4 weeks,credits 2] can be chosen.

8.2.3 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.

8.2.4 Evaluation and Certification of MOOCs/ SWAYAM/ NPTEL:

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 [to the single point of contact (SPOC) of this DU]. This certificate copy issued to the students shall be submitted to the CBCS office through the HoD of the department for confirmation of credits earned.

8.2.5. Credit Mobility of MOOCs/SWAYAM/ NPTEL: This DU will provide the equivalent credit weightage (vide, 11.2) to the students for the credits earned through online learning courses through SWAYAM platform in the curriculum scheme of the program.

In case a student fails to complete the MOOCS / SWAYAM/ NPTEL 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.

9.0 Clinical Internship or Research internship:

Courses offering internship for 6 months or 1 year may permit candidates to take up internship only on successful completion of all their course work [i.e., pass all courses prescribed in their programs]. 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 [300 hrs to 450]	Grading: Log books; cases completed; equipment/ skills mastered etc- internal evaluation. Non- completion leads to 6 months extension.

9.1 Eligibility for appearing for Internship: On successful completion (Pass) 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.

9.2 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.

9.3 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:

Clinical Internship – Semester I							
Course Number	Course Code	Course Title	Hours / week			**C**	**Total Hours**
			L	SL	P		
1	UAH 15CR 451	Internship - I	-	-	45	15	**564**
Clinical Internship – Semester – II							
2	UAH 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 and results announced with issue of grade card. A program / internship completion certificate signed by HOD through DOF/DOS shall be provided after obtaining the relevant data on the MIS. Award of the degree certificate will be provided after successful completion of the 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.

9.4 Research Project Internship:

Research internships are prescribed in some programs 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.

9.4.1: 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 a 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 entrepreneurship 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.

10 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 and a grade of NC shall be indicated in the grade card (vide, 11.1)

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 canceled. 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 for elective courses are specified by the departments as per their approved curricula (G 4) 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 the proper channel to the CoEs office 10 days prior to the end of semester.

11. 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.

11.1. 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 in a course (s) and the student is not fulfilling the minimum criteria for academic progress and attendance *vide*, 10.ii & CIA [i.e., lack of attendance- less than 80% and internal assessments (CIA); 14.1.1]. 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.

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.

11.2 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 40%.

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.

12 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.,

$$\textbf{SGPA}\ (Si) = \sum(Ci \times Gi) / \sum Ci$$

where Ci is the number of credits of the ith course and Gi 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.

$$\textbf{CGPA} = \sum(Ci \times Si) / \sum Ci$$

where Si is the SGPA of the ith semester and Ci is the total number of credits in that semester.

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

12.1 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 SGPA : 6.9	Credit : 22 SGPA : 6.8	Credit : 25 SGPA : 6.6	Credit : 26 SGPA : 6.0
Semester 5	**Semester 6**		
Credit : 26 SGPA : 6.3	Credit : 25 SGPA : 8.0		
Illustration for CGPA			

Thus,

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

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

13. Grade Qualifying For a Pass:

Evaluations for a course shall be done on a continuous basis. For all category of courses offered (Core Theory, Core Lab, Discipline Specific Elective [DE]/ Lab [DL]; Generic Elective [GE/ GL-practical] & Research Project). The assessment will comprise of Continuous Internal Assessment (CIA) and the end – semester (ES) University examination wherein the total of 100% per course is determined from the CIA evaluation weighted at 50% and the ES weighted at 50%. Evaluations

for Ability Enhancement Courses [AE]; Skills Enhancement Courses [SE] Theory or SL (Practical) shall be weighted at 100% of formative assessments by the course offering department.

i. **UG Programs:** For each course, a minimum of 30% in CIA (as per eligibility criteria 14.1), 40% in ES examinations and 40% in aggregate is required to obtain a grade "D" for a pass.

ii. **PG & Integrated Programs**: For all courses a minimum of 40% of CIA (as per eligibility criteria 14.1), 50% in ES examinations and 50% in aggregate are essential to secure a pass grade of "B".

iii. Courses in programs wherein Theory and Lab are assessed jointly (results in group, RG), the passing minimum (40% for UG and 50% for Integrated / PG programs) for the theory exams and lab exams have to be obtained separately, in order to be declared passed in the individual courses (vide, 7.1; 7.3). Reappearance in any one of the components is treated as reappear in both these components (*vide*, 7.1).

iv. Courses [e.g. CR/ AE/ SE] (in UG, Integrated, & 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 courses in PG/ Integrated programs 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, Summative assessments and in aggregate. Passing minimum for PG dissertation evaluation is B grade (50%) in Formative, 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.

vii. 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.

viii. A candidate who secures F/RA grade in any course has to pass it compulsorily. A candidate who does not pass a course in the stipulated period (4-10 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.

ix. 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.

x. 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.

13.1 **The qualifying grade for the courses in the BPT 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** a minimum of 40% in CIA (as per eligibility criteria 14.1), 50 % of marks in the University End Semester Examination (ESE) and in aggregate in each course.

(b) **For Generic Electives (GE), Ability Enhancement (AE) and Skill Enhancement (SE) courses student shall obtain** a minimum of 30% in CIA (as per eligibility criteria 14.1), 40 % of marks (Grade D) in the University End Semester Examination (ESE) or in formative assessments and in aggregate for successful completion of the course.

14 Components of Course Assessments:

i. Evaluation for a course shall be done on a continuous basis comprising of continuous internal assessments (CIA; weighted at 50%) and one end semester university examination (ES) for each course (weighted at 50%). 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.

ii. Courses in programs wherein Theory and Lab credits are 1 or 2, the examinations shall be conducted within the department as a final CIA and provided to the CoE as consolidated IA.

iii. For a few identified category of courses (Ability Enhancement Courses [AE]; Skills Enhancement Courses [SE] Theory or SL (Practical)) evaluations shall be weighted at 100% of formative assessments by the course offering department.

iv. 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.

v.**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

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

14.1 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.

14.1.1 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, SE & AEcategory 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 programs. For RP, SE & AE 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 / Integrated 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 program** 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., 14.1.1.ii) above

(b) For Generic Electives (GE), Ability Enhancement (AE) and Skill Enhancement (SE) courses student shall become eligible as per UG regulations (viz., 14.1.1.i) above

v. A student not meeting these criteria for eligibility shall be **detained (NC grade)** 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.

15 CARRY OVER OF 'RA' (Reappearance) Grade or 'NC' (detained) status in a COURSE(S) and BREAK IN SEMESTER:

'NC' Grade in a course

a) Candidate with NC grading indicates detained (vide, 11.1) 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*, 11.1; 10.iii).

b) Students with **'NC'** grades (*vide* 11.1) 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 end semester examinations for such courses.

'RA' Grade in a course:

c) 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.

d) The maximum period of study permissible to complete the courses and program will be governed by the General Regulations 17 infra.

15.1 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 15.2).

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 16 infra.

Table15.2: The table below provides the Program Specific requirements for sequentially advancing in the semesters.

Program Code	**A06; A12; A17; G01; H22 C01**	**A01; A10; A13; A14; A15; A16;**	**S01; A03; A04; B01; H21;**	**A08**	**T01**	**A11**	ALL PG Programs- **NC grade in a course (s)**
Specified Degree	B.Sc./ BBA	B.Sc. Hons.	B.Sc. Hons./ B. OPTOM	B.Sc. Hons./	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	3.5 yrs and 6 months internship	4+1/2 yr internship	4+1 yr internship	2 years
The final YEAR for core courses	III	III	III	III	IV	IV	2nd year
Break semester	**2, 5**	**2, 6**	**3, 6**	**3, 7**	**2, 8**	**2, 8**	**3**
Internship Semester (s)	nil	7, 8	7, 8	8	9	9, 10	Final Project/ internship – IV semester

15.3 FOR 4 or 4 1/2 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 15. Should there be credits pending [RA grade Course] in Core (CT, CL, DE, DL, RP, CR) course (s), he/she will take a break for study and reappear for the ESE for these course (s) before advancing to the next semester (to 3rd or 4th semesters). RA grades in the 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 15 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 / Integrated 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 16 infra.

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

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

b) 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.

16. 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.

17. 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.

18. AWARD OF THE DEGREE: Degrees shall be awarded upon successful completion (PASS) of all courses prescribed for a degree program including internship/ projects/ dissertation. The student shall have earned all the credits prescribed and recommended in the respective BoS and approved in the Academic Council.

19. RANKING:

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

20. 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.

21. DISCHARGE OF STUDENTS FROM PROGRAMS (*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.

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

SRI RAMACHANDRA
INSTITUTE OF HIGHER EDUCATION AND RESEARCH
(Category - I Deemed to be University) Porur, Chennai

Cycle 3 accreditation at 'A++' **Grade by NAAC**

Porur, Chennai 600 116

GUIDELINES OF

CHOICE BASED CREDIT SYSTEM

for UG and PG Degree Programs

Updated FOR THE ACADEMIC YEAR, 2021– 2022

Handbook of

CHOICE BASED CREDIT SYSTEM

Guidelines on Curriculum structure and Design

CONTENTS

SL. No.	Guideline No.	Topics	Page. Number
		Curriculum structure and Design	
	G1	Credit value per course & structure of syllabus	33
	G1.1	Guidelines for Unitization	33
		Process of Choice of Electives & registration	
	G2	Registration card:	34
	G3	Requirements to receive Hall- ticket	35
	G4	Elective Common Schedule	35
	G4.1	CIA schedule for Electives	36
	G5	Types of Assessment	36
	G6	General structure / patterns of Question papers	37
	G7	ADMINISTRATION OF CBCS	42
	G7.1	CBCS OFFICE [Roles, Responsibilities and structure]	42
	G7.2	Coordinator of CBCS and CBCS Administrative Committee	42
	G8	Process and Flow of Information under the CBCS Model	43
	G9	Registration For Courses In A Semester	44
	G10	Process of submitting the Continuous Internal Assessments:	45
	G11.	Board of Studies	45
	G12	Departmental Curriculum Committee	46
	G13	Amendments	46
	G14	Declarations by Students and Parents	46
		Annexures	
	Annexures I	Semester- wise Pre- Registration card;	48
	Annexures II	List of Program	49
	Annexures III	Sample Grade cards	52
	Annexures IV	List of Electives	58

Curriculum structure and Design

G1. 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.

G1.1. Guidelines for Unitization in correlation to credits with assessments for IA in 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	45
Generic Elective Lab (GL)	3	7- 8 exercises	7—8 exercises
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 successful pass in all courses upto the internship semester 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	

Process of Choice of Electives & registration

G2. Registration card: After students register online, a pdf of their choices is generated as an online 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.

G2.1. 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 shall be permitted for the end semester examinations only on the recommendation by HoDs/ principals, for late registrations through proper channel.**

G2.2 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.

G2.3. Break- in semester as prescribed under carry over **clause 15** 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 11.1 clause, if 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*, 11.1, iv). **Registration of electives (GE/ SE/ AE) for the next semester shall be permitted only when he/she chooses and registers for the electives of the said semester.**

G3 Requirements to receive Hall- ticket:

G3.1 Student can download the hall ticket from the university portal if there are 'NO Dues' with administration or in the department.

G3.2 For students completing the degree program, they may receive the final mark statement, transcript, provisional degree, Internship completion certificate, 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.

G 4. 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**	**10.00**	**10.15**	**11.15**	**12.15**	**1.00**	**2.00**	**3.00**
	9.00	**10.00**	**10.15**	**11.15**	**12.15**	**1.00**	**2.00**	**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)

G 4.1. Semester –wise Continuous Internal Assessment (CIA) Indicative Schedules for GE/SE/AE courses the academic year

Evaluations for Generic Elective [GE/ GL- practical], Ability Enhancement Courses [AE]; Skills Enhancement Courses [SE] Theory or SL (Practical) shall be weighted at 100% of formative assessments by the course offering department as scheduled in their curriculum (Please refer CBCS Elective Syllabii (restructured), 2021 handbook).

G5. 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

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

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

G6. General structure / patterns for setting up question papers for Theory / Practical courses, their evaluation weightages for UG/PG programs of SRIHER (DU) 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 (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**

UG pattern - Type A10 (a) 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 marks	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	5 X 2 marks	10

any two (differences; advantages; functions; applications;....)]		
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 (sem 4 onwards) **(Theory Exam Assessment Pattern for Clinical based courses)**		
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; 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 Department Examination (ESD) Theory Assessment Pattern) for GE/ AE/ SE courses - single evaluation Duration of Examination – 2 hrs		
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 Language Lab 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 –(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.

G7. ADMINISTRATION OF CBCS:

G7.1 CBCS OFFICE [Roles, Responsibilities and structure]:

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 elective 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.
- Execution of changes in CBCS regulations after approval in the Academic council via Coe-MIS
- Transfer of Data for electives registered, completed and credit transfer from MOOCS courses

G7.2 Coordinator of CBCS and CBCS Administrative 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 an administrative committee consisting of two of the Heads of the departments coming under the Faculties of Allied Health Sciences, Biomedical Sciences & Technology, Management, Public Health, Clinical Research, Sports and Exercise Sciences 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
- Executing changes in regulations via CoE-MIS after approval at the Academic council
- Approval of the transfer of grades to COE-MIS: - CIA and electives
- Credit transfer from MOOCS platform

All decisions will be finalized after approval by the Vice Chancellor, 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

G8. Process and Flow of Information under the CBCS Model:

G8.1 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 and approved by CBCS Coordinator.

Attendance and timely conduct of CIA for electives (as per schedule in G4.1) 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.

G8.2 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.

G9. Registration For Courses in a Semester:

G9.1. 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.

G9.2 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.

G9.3. 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.

G9.4. 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.

G9.5 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.

G9.6. 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 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.

G10. 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.

G11. Board of Studies:

G11.1 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 and was approved by the 26th Academic Council. 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.

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)'.

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.

G11.2 After due approval by individual CBCS programs, the CBCS Administrative Committee will prepare the common elective time table in consultation with the Coordinator (CBCS). The CBCS Administrative Committee will be convened by the Coordinator (CBCS) and will meet at least twice in a semester.

G11.3 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.

G12. 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.

G12.1. 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.

G12.2. 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.

G13 Amendments:

Sri Ramachandra Institute of Higher 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.

G14 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.

Annexures included are Semester- wise Pre- Registration card; List of Program; sample Grade cards, & List of Electives.

Annexure 1

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**	**CATEGORY**	**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** PGE002 BGE014	**3**
19	UNT15GE209	GE-5	GENERIC ELECTIVE (GE2) TO BE CHOSEN		AGE024 TGE002 GGE001	**3**
20	UNT15AE211	AE-2	FOOD PRESERVATION, PACKAGING AND LABELLING- PRINCIPLES AND TECHNIQUES			**2**
21	UNT15SE213	SE-3	SKILLS ENHANCEMENT - TO BE CHOSEN		BSE002 GSL002 ASL017	**2**
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.

PAGE 1/1

Annexure II

List of Programs under the CBC System, 2015- 2016, updated upto 2021.

Sl. No.	Program Code	Program Type	Degree Nomenclature (vide, UGC)	PROGRAM Name	Duration of PROGRAM in Years [specialties]	Department offering	Year Revised or Introduced	Credits	Codes for Courses
Faculty of Allied Health Sciences									
1.	A01	UG	B. Sc. (Hons)	Bachelor of Science (Hons) (Allied Health Science)	3 + 1 year CR [15]	AHS	2019	160	AH
2.	A03	UG	B. Sc.	Bachelor of Science (Trauma Care Management)	3 + 1 year CR	Emergency & Trauma Care Technology	2019	180	TC
3.	A04	UG	B. Optom	Bachelor of Optometry	3 + 1 year CR	Optometry	2019	177	OP
4.	A06	UG	B. Sc.	Bachelor of Science (Clinical Nutrition)	3 years	Clinical Nutrition	2019	146	NT
5.	A08	UG	B Sc. (Hons)	Bachelor of Science (HONS) (Medical Microbiology and Applied Molecular Biology)	4 years	Microbiology	2019	180	MM
6.	A10	UG	B Sc. (Hons)	Bachelor of Science (Hons) (Cardiac Technology)	3 + 1 year CR	AHS	2020	160	AC
7.	A12	UG	B. Sc.	Bachelor of Science (Applied Psychology)	3 years	AHS	2019	130	PS
8.	A13	UG	B Sc. (Hons)	Bachelor of Science (Hons) (Radiotherapy Technology)	3 + 1 year CR	Nuclear Medicine	2019	160	RD
9.	A14	UG	B Sc. (Hons)	Bachelor of Science (Hons) (Respiratory Therapy)	3 + 1 year CR	CHEST & TB	2020	160	AR
10.	A15	UG	B Sc. (Hons)	Bachelor of Science (Hons) (Radiology and Imaging Science Technology)	3 + 1 year CR	Radiology	2020	160	AI
11.	A16	UG	B Sc. (Hons)	Bachelor of Science (Hons) (Renal and Dialysis Technology)	3 + 1 year CR	AHS	2020	160	AD
12.	A17	UG	B Sc. (Hons)	Bachelor of Science (Medical Laboratory Technology)	3 years	AHS	2020	120	AL
13.	A22	PG	M. Sc.	Master of Science (Neurosciences)	2 years	AHS	2019	100	NS
14.	A23	PG	M. Sc.	Master of Science (Medical Laboratory Technology)	2 years	AHS	2019	95	ML
15.	A25	PG	M. Sc.	Master of Science (Medical Imaging Technology)	2 years	AHS	2019	100	MI
16.	A26	PG	M. Sc.	Master of Science (Renal Sciences & Dialysis Technology)	2 years	AHS	2019	97	RS
17.	A27	PG	M. Sc.	Master of Science (Clinical Nutrition)	2 years	Clinical Nutrition	2019	97	CN
18.	A28	PG	M. Sc.	Master of Science (Trauma Care Management)	2 years	Emergency & Trauma	2019	97	EC

						Care Technology			
19.	A29	PG	M. Sc.	Master of Science (Applied Child Development)	2 years	Paediatric	2019	97	CD
20.	A30	PG	M. Sc.	Master of Science (Perfusion Technology)	2 years	Cardiothoracic	2019	97	PF
21.	A31	PG	M. Sc.	Master of Science (Urology Technology)	2 years	Urology	2019	97	UT
22.	A34	PG	M OPTOM	M.OPTOM (Master of Optometry)	2 years	Optometry	2019	98	MO
23.	A35	PG	M. Sc.	Master of Science (Medical Psychology)	2 years	Clinical Psychology	2019	90	MP
24.	A36	PG	M. Sc.	Master of Science (Clinical Psychology)	2 years	Clinical Psychology	2019	90	CP
25.	A37	PG	M. Sc.	Master of Science (Respiratory Therapy)	2 years	CHEST & TB	2019	90	RE
26.	A38	PG	M. Sc.	Master of Science (Clinical Immunology)	2 years	Pathology	2019	90	CI
27.	A39	PG	M. Sc.	Master of Science (Mind Body and Lifestyle Science)	2 years	Mind Body Medicine and Life Style Science	2020	92	MB
28.	A40	PG	M. Sc.	Master of Science (Forensic Science)	2 years	Forensic Science	2021	81	FS
29.	A42	PG	M. Sc.	Master of Science (Cardiovascular Sciences (Echocardiography))	2 years	Cardiology	2021	84	ET
30.	A11	IN	M. Sc.	Master of Science (Medical Radiology and Imaging Technology)	5 years	Radiology	2019	205	IM
Faculty of Biomedical Sciences, & Technology									
31.	B01	UG	B. Sc. (Hons)	Bachelor of Science (Hons) (Biomedical Sciences)	3 year+1 year Research Internship [4]	Biomedical Science	2019	172	BM
32.	B11	PG	M. Sc.	Master of Science (Human Genetics)	2 years	Human Genetics	2019	95	HG
33.	B12	PG	M. Sc.	Master of Science (Biotechnology)	2 years	Biotechnology	2019	97	BT
34.	B13	PG	M .Sc.	Master of Science (Medical Bioinformatics)	2 years	Bioinformatics	2019	95	BI
35.	B14	PG	M. Sc.	Master of Science (Biomedical Science)	2 years	Biomedical Sciences	2019	100	BB
36.	B15	PG	M. Sc.	Master of Science (Applied and Regulatory Toxicology)	2 years	CEFTE	2019	90	RT
Faculty of Clinical Research									
37.	C01	UG	B. Sc.	Bachelor of Science (Clinical Research)	3 years	Clinical Research	2019	148	CL
38.	C21	PG	M .Sc.	Master of Science (Clinical Research)	2 years	Clinical Research	2019	100	CR
39.	C22	PG	M .Sc.	Master of Science (Stem Cell and Regenerative Biology)	2 years	Clinical Research	2019	90	CB
Faculty of Management									

40.	G01	UG	BBA	Bachelor of Business Administration (Hospital & Health Systems Management)	3 years	Management	2019	130	HS
41.	G02	PG	MBA	Master of Business Administration (Hospital & Health Systems Management)	2 years	Management [3]	2019	105	HM
Faculty of Physiotherapy [T]									
42.	T01	UG	BPT	Bachelor of Physiotherapy	4 years+ ½ year CR	Physiotherapy	2019	201	PT
43.	T02	PG	MPT	Master of Physiotherapy (Orthopaedics & Traumatology)	2 years	Physiotherapy	2019	86	OT
44.	T03	PG	MPT	Master of Physiotherapy (Neurosciences)	2 years	Physiotherapy	2019	86	NU
45.	T04	PG	MPT	Master of Physiotherapy (Cardio Pulmonary Sciences)	2 years	Physiotherapy	2019	86	CS
46.	T05	PG	MPT	Master of Physiotherapy (Womens' Health)	2 years	Physiotherapy	2019	86	OG
Faculty of Public Health [H]									
47.	H21	UG	B Sc. (Hons)	Bachelor of Science (Hons) (Environmental Health Sciences)	4 years	Environmental Health Engineering	2019	170	EH
48.	H22	UG	B.Sc.	Bachelor of Science (Public Health)	3 Years	Environmental Health Engineering	2020	130	HC
49.	H01	PG	MPH	Master of Public Health (Occupational and Environmental Health)	2 years	Environmental Health Engineering	2019	98	PH
Faculty of Sports and Exercise Sciences									
50.	S01	UG	B. Sc. (Hons)	Bachelor of Science (Hons) (Sports & Exercise Sciences)	3 Years + 1 year CR	Sports and Exercise Science	2019	177	SS
51.	S23	PG	M.Sc.	Master of Science (Sports and Exercise Psychology)	2 Years	Sports and Exercise Science	2020	90	EP

Annexure III

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. :	A0418572
Year/Semester :	FIRST SEMESTER	Month & Year :	NOVEMBER 2018
Institution :	SRI RAMACHANDRA COLLEGE OF ALLIED HEALTH SCIENCES		

COURSE CODE	COURSE	RG	CREDITS	LETTER GRADE	RESULT
UOP15CT101	GENERAL ANATOMY AND OCULAR ANATOMY		4	A	PASS
UOP15CT103	PHYSIOLOGY		4	B	PASS
UOP15CT105	PHYSICAL OPTICS	A	3	B+	PASS
UOP15CL151	PHYSICAL OPTICS (PRACTICALS)	A	2	A+	PASS
UOP15CT107	BIOCHEMISTRY		4	B+	PASS
UOP15CT109	PRINCIPLES OF LIGHTING		3	B	PASS
UOP15QE111 AGEC01	NOISE EXPOSURE AND ITS EFFECTS		3	A	PASS
UOP15AE113 AAEE04	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

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

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

C_i - Credit of the i^{th} Course

GP_i - Grade Point of the i^{th} 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. :	16/03/2000
Programme :	BACHELOR OF PHYSIOTHERAPY	Regn. No. :	791180013
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
UPT18CE106	BIOCHEMISTRY		3	A	PASS
UPT18GE107 BGE001	INTRODUCTION TO HUMAN GENETICS		3	A+	PASS
UPT18GE109 AGE018	BASICS OF FOOD AND NUTRITION		3	A	PASS
UPT18AE111 AAE001	ENGLISH		2	A+	PASS
UPT18AE113 AAE004	ENVIRONMENTAL SCIENCE		2	A	PASS
UPT18AE116	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

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

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

C_i - Credit of the i^{th} Course

GP_i - Grade Point of the i^{th} 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 :	HAFSA S	D.O.B. :	27/09/1997
Programme:	M.Sc. (HUMAN GENETICS)	Regn. No. :	81110002
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

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

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

C_i - Credit of the i^{th} Course

GP_i - Grade Point of the i^{th} Course

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

CHECKED BY	
VERIFIED BY	

Annexure IV:

ELECTIVES OFFERED BY SRIHER (DU) UNDER CBCS

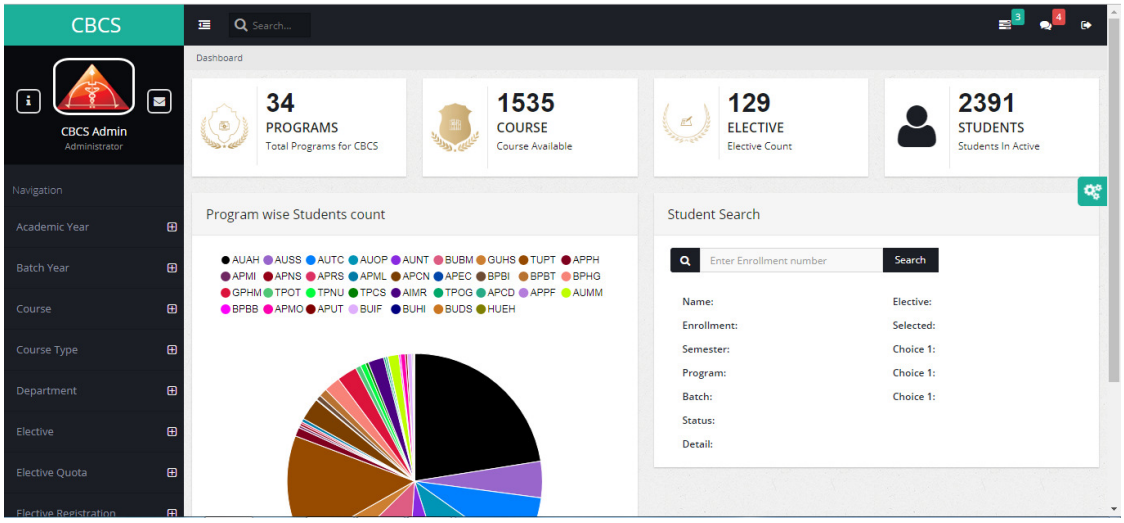
A. LIST OF GENERIC ELECTIVE COURSES [Credits = 3]				
Sl. No.	**Elective Code**	**Title**	**Department**	**UG/PG**
1	AGE001	Personality Development and Stress Management	Clinical Psychology	UG
2	AGE003	Organizational Behavior	Clinical Psychology	UG
3	AGE005	First Aid Management & Splinting Techniques	EMERGENCY & TRAUMA CARE TECHNOLOGY	UG
4	AGE006	Airway Management ECG & Emergency Drugs	EMERGENCY & TRAUMA CARE TECHNOLOGY	PG
5	AGE009	Eye Banking	Optometry	UG
6	AGE010	Visual diagnostic for children with special needs	Optometry	UG
7	AGE012	Nutrition Support Techniques	Clinical Nutrition	PG
8	AGE015	Malnutrition and Public Health	Clinical Nutrition	UG
9	AGE016	Basics of Food and Nutrition	Clinical Nutrition	UG
10	AGE028	Noise exposure and its effects	Speech Language & Hearing Science	UG
11	AGE029	Basic concepts in Voice and its efficient use	Speech Language & Hearing Science	UG
12	AGE032	Health Behaviour	Clinical Psychology	UG
13	AGE033	Basic Psychology	Clinical Psychology	UG
14	AGL035	Practice of Yoga	AHS	UG
15	AGL036	Pranayama Exercises	AHS	UG
16	AGE037	Mind Body and Wellness	Mind Body Medicine And Life Style Science	UG
17	AGE038	Women's Wellness	General Medicine	UG
18	AGE039	Basics of Counseling and Guidance	Clinical Psychology	UG
19	AGE040	Basic clinical Skills of Visual System	Optometry	UG
20	BGE016	Applied Biotechnology	Biomedical Sciences	UG
21	BGE017	Food Microbiology	Biomedical Sciences	UG
22	BGE029	Plant Tissue Culture Technology	Biotechnology	UG
23	BGE030	Marine Biotechnology	Biotechnology	UG
24	BGE031	Antimicrobial Agents	Biotechnology	PG
25	BGE032	Algal Biotechnology	Biotechnology	UG
26	BGE038	Basic Radiation Biology	Human Genetics	UG
27	BGE039	Basics of Human Genetics	Human Genetics	UG
28	BGE040	Diet and Lifestyle Disorders	BMS	UG
29	BGE041	Biotechnology in Health Care	Biotechnology	UG

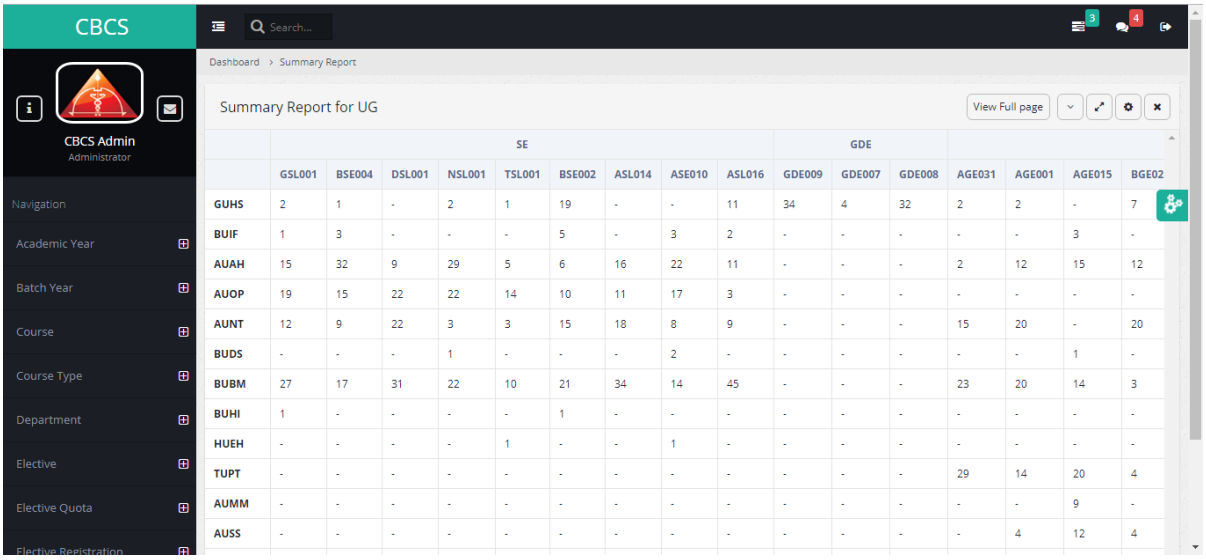
30	BGE042	Introduction to Nanosciences	Biotechnology	UG
31	GGE018	Basics of Hospital Management	Management	PG
32	GGE019	Basic Course In Entrepreneurship	Management	UG
33	GGE021	Leadership and change management	Management	UG
34	GGE022	Financial management for health care professionals	Management	PG
35	HGE001	Fundamentals of Occupational Health	Environmental Health Engineering	UG
36	HGE002	Biomedical Waste Management	Environmental Health Engineering	UG
37	PGE004	Intellectual Property Rights	Pharmacy	UG
38	PGE007	Pharmacovigilance	Pharmacy	PG
39	SGE001	Exercise Psychology	Sports & Exercise Science	UG
40	SGE002	Exercise Physiology	Sports & Exercise Science	UG
41	SGE003	Advanced Exercise Physiology	Sports & Exercise Science	UG
42	TGE003	Physical Health	Physiotherapy	UG
43	CGE001	Biology and Applications of Tissue Engineering	Centre for Regenerative Medicine & Stem Cell Research	UG
44	EGE001	Introductory Biostatistics	Bioinformatics	UG
45	EGE002	Intermediate Mathematics	Bioinformatics	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**	**Level UG/ PG**
1	AAE001	English	English Language Lab	UG
2	AAE002	English for Clinical Communication	English Language Lab	UG
3	AAE003	Communication and Soft Skill	English Language Lab	UG
4	AAE007	Community Medicine	Community Medicine	UG
5	AAE010	Medical Ethics & Law	General Medicine	UG
6	AAE011	Essentials of Trauma Life Support	EMERGENCY & TRAUMA CARE TECHNOLOGY	PG
7	AAE012	Essentials of Cardiac Life Support	EMERGENCY & TRAUMA CARE TECHNOLOGY	PG
8	nil	First Aid and Emergency Care (UAH19AE308 & UPS19AE309)	EMERGENCY & TRAUMA CARE TECHNOLOGY	UG
Faculty of Public Health				
9	HAE001	Environmental Science	Environmental Health Engineering	UG

C. LIST OF SKILLS ENHANCEMENT COURSES OFFERED BY DEPARTMENTS OF THIS DU [Credits = 2]				
S. No.	**Elective Code**	**Title**	**Department**	**UG/PG**
Faculty of Allied Health Sciences				
1	ASE006	Bakery and Confectioneries	Clinical Nutrition	UG
2	ASL014	National service scheme and Nation Building	Community Medicine	UG
3	ASL015	Culinary Skills for optimal nutrition	Clinical Nutrition	UG
4	ASL016	Basic Life Support	Emergency & Trauma Care Technology	UG
5	ASL017	Library Science and E-Resources	Central Library	UG
6	ASL018	Basics of Electronics	Allied Health Sciences	UG
7	ASE019	English For Research Writing	English Language Lab	PG
8	ASL020	Introduction to the principles and practice of infection prevention and control	Microbiology	PG
Faculty of Biomedical Sciences & Technology				
9	BSE001	Good Laboratory Practices	Biomedical Sciences	UG
10	BSE003	Fundamentals in Analytical Laboratory Skills	Biomedical Sciences	UG
11	BSL017	Practice and Skills in Medical Transcription	Human Genetics	UG
Faculty of Dental Sciences				
12	DSL001	Tooth Wisdom	Dental Sciences	UG
Faculty of Management Sciences				
13	GSL002	Interpersonal Skills	Management	UG
Faculty of Nursing				
14	NSL001	Diabetic foot care	Community Nursing	UG
Faculty of Physiotherapy				
15	TSL001	Ergonomics and Health promotion	Physiotherapy	UG

CBCS ONLINEMANAGEMENT SYSTEM: Page on www.sriramachandra.edu.in





Compiled by Prof. R Sivakumar, CBCS Coordinator