SIDDHARTHA
ACADEMY OF HIGHER EDUCATION
An Institution **Deemed to be University**
(Under Section 3 of UGC Act, 1956)
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SU24 & RSU24
ACADEMIC REGULATIONS
Of

B.Sc. Honors (Computer Science)
SCHOOL OF SCIENCE
&
B.Com. Honors (Computer Applications)
SCHOOL OF ARTS AND SCIENCE

(w.e.f. from the academic year 2024-25)



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PREAMBLE

Siddhartha Academy of Higher Education (SAHE), a Deemed to be University, emphasizes the transformative power of education and the pivotal role of higher learning in fostering an enlightened, equitable, and prosperous society. Established with a commitment to academic excellence, innovative research, and holistic development, SAHE provides a supportive and inclusive environment where diverse ideas thrive, empowering every member to achieve their fullest potential. Guided by principles of integrity, respect, and social responsibility, SAHE aims to contribute meaningfully to the global community for the common good. The University, with its experienced faculty, offers a top-notch education integrating theory and practical skills, preparing students for success in a rapidly evolving world through engaging lectures, hands-on learning, and advanced research opportunities. This document outlines the academic culture, procedures, and regulations of the courses taught at SAHE, specifically for UG programmes B.Sc and B.Com, effective from the academic year 2024-25.

1. ABOUT UNIVERSITY

1.1 Introduction

Velagapudi Ramakrishna Siddhartha Engineering College, is the first Private Engineering College in the combined state of Andhra Pradesh, established in 1977. Sponsored by the Siddhartha Academy of General and Technical Education (SAGTE), formed in 1975 by 250 philanthropists, the University aims to promote educational excellence with a holistic approach. Catering to the educational needs of the region, 15 academic institutions have been established, offering education from kindergarten to postgraduate levels. In 2024, VR Siddhartha Engineering College was declared as Siddhartha Academy of Higher Education (SAHE), an institution deemed-to-be university under Section 3 of the UGC Act, 1956 by Ministry of Education, Government of India. With a legacy of educational excellence, the institution's UGC-granted autonomy, renewed through 2027-28, provides a strong foundation for its transformation. Guided by a detailed 15-year strategic vision and a 5-year rolling implementation plan, Siddhartha Academy of Higher Education focuses on key areas such as academics, faculty recruitment, student admissions, research, ICT infrastructure, and administration, with specific annual milestones and measurable outcomes. SAGTE, as a responsive educational trust, aligns with the Government of India's target of achieving a 50% GER in higher education by 2035. Siddhartha Academy of Higher Education, Deemed-to-be University, offers diverse undergraduate and postgraduate programs through its specialized schools, including the School of Engineering (B.Tech., M.Tech.), School of Management

(MBA), School of Law, School of Science (B.Sc. and M.C.A.), and School of Arts & Commerce (B.Com.). Envisioned to support interdisciplinary and multidisciplinary education for students' holistic development, the university aligns with the aspirations and requirements of NEP 2020 to equip students with the skills and knowledge essential for future growth and societal contributions.

1.2 Vision

"To be a centre of excellence in education, innovation, and research with a global presence in arts, science, technology, medicine, management, legal studies, and social studies, enriching the frontier areas of national and international importance".

1.3 Mission

- To create a transformative educational experience for students focused on problem-solving skills, communication abilities, interpersonal relations, and leadership.
- To cultivate a vibrant University community that attracts and retains diverse, world-class talent, creating a collaborative environment open to the free exchange of ideas where research, creativity, innovation, and entrepreneurship can flourish, and ensuring individuals achieve their full potential.
- To impact society pragmatically - regionally, nationally, and globally - by engaging with industry, outstanding national and international universities, and research organizations.
- To be a global university that nurtures excellence in education and innovation, fostering a knowledgeable society.

1.4 Quality Policy

"The University is committed to pursuing excellence in **academics, innovation, research, and entrepreneurial development in an ethical, sustainable, and inclusive manner**, while creating a meaningful societal impact".

2. PURPOSE AND SCOPE OF THE REGULATIONS

SAHE's Academic regulations provide a framework for the functioning of all engineering, science, arts and commerce programs. These regulations include procedures and practices to ensure academic standards are approved by the Academic Council (AC), and are subject to amendments to meet evolving conditions. These regulations come into effect from the academic year 2024-25 and apply to B.Sc and B.Com students.

2.1 Academic Regulations

The Academic Regulations provide a framework for academic progress and rules for

obtaining an undergraduate degree from SAHE. The academic administration such as the Registrar, Dean, Controller of examinations, HoD of the department are responsible for the implementation of the regulations. All registered students must agree and abide by these regulations as a condition of enrolment.

2.2 Revision of Regulations

Regulations are published at the start of the academic year and remain in force until a subsequent version is published. Revisions are communicated through circulars and the university website. The Dean of Academics maintains the revised version and the archives of all previous versions of regulations.

3. ADMISSIONS

The admission policy and procedure are based on notifications from statutory bodies and government regulations.

3.1. Eligibility for the UG Programmes

Senior Secondary School Leaving Certificate or Higher Secondary (12th Grade) Certificate obtained after successful completion of Grade 12 or equivalent stage of education corresponding to Level-4.

3.2 Scholarships

SAHE offers scholarships based on marks/ranks obtained in entrance exams. Scholarships also recognize achievements in academics, sports, culture, and diversity criteria decided by the University.

4. PROGRAMMES OFFERED

The following 4-year UG Honours Program shown in Table-1 with a single Major and one minor is introduced from the A.Y.2024-2025.

Table -1: List of Programs Offered

S. No	Name of the Single Major Programme
1	B.Com Honours (Computer Application)
2	B.Sc. Honours (Computer Science)

5. CURRICULUM FRAMEWORK

5.1 Major and Minor disciplines

(a) Major discipline is the discipline or subject of main focus, and the degree will be awarded in that discipline. Students should secure the prescribed number of credits (about 50% of total credits) through core courses in the major discipline.

(b) Minor discipline helps a student to gain a broader understanding beyond the major discipline. For example, if a student pursuing Statistics major obtains a minimum of 12 credits from a bunch of courses in Economics, then the student will be awarded B.A. degree in Statistics with a Minor in Economics.

5.2 Course code and Numbering scheme

The course numbering scheme consists of seven alphanumeric places. The scheme is as follows:

First two places : Regulation Year

Third and Fourth places : Department

Fifth place **:** Level of the course

Sixth and Seventh places **:** Course Number

For example, the course code **24MA112** is illustrated as below and list is given in Table-2.

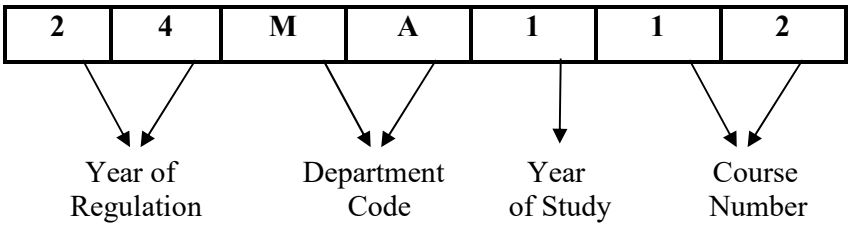

Table -2: Nomenclature for course number

Year of Regulation	Course offering Department	Level of the Course	Serial No. of the course
24	**MA**	**1**	**12**
2 digits	**2 Places**	**1 digit**	**2 digits**
The first two digits indicate the year of regulation	Course Domain Ex: MA – Mathematics CA – Computer Applications CO – Commerce EN – English TL – Telugu HI – Hindi EO – Economics CY – Chemistry	1 – I Year UG 2 – II Year UG 3 – III Year UG 4 – IV Year UG	Course number offered by the respective Departments of B.Sc and B.Com programmes.

5.3 Awarding UG Certificate, UG Diploma, and Degrees

(a) UG Certificate: Students who opt to exit after completion of the first year and have secured 40 credits will be awarded a UG certificate if, in addition, they complete one vocational course of 4 credits during the summer vacation of the first year.

(b) UG Diploma: Students who opt to exit after completion of the second year and have

secured 80 credits will be awarded the UG diploma if, in addition, they complete one vocational course of 4 credits during the summer vacation of the second year.

(c) 3-year UG Degree: Students who wish to undergo a 3-year UG programme will be awarded UG Degree in the Major discipline after successful completion of three years, securing 120 credits and satisfying the minimum credit requirement.

(d) 4-year UG Degree (Honours): A four-year UG Honours degree in the major discipline will be awarded to those who complete a four-year degree programme with 160 credits and have satisfied the credit requirement.

(e) 4-year UG Degree (Honours with Research): Students who secure 75% marks and above in the first six semesters and wish to undertake research at the undergraduate level can choose a research stream in the fourth year. They should do a research project/ dissertation under the guidance of a faculty member of the University. The research project/dissertation will be in the major discipline. The students, who secure 160credits, including 12 credits from a research project/dissertation, are awarded UG Degree (Honours with Research).

5.4. UG Degree Programmes with Single Major: A student has to secure a minimum of 50%credits from the major discipline for the 3-year/4-year UG degree to be awarded a singlemajor. For example, in a 3-year UG programme, if the total number of credits to be earnedis 120, a student of Computer Science with a minimum of 60 credits will be awarded a B.Sc. in Computer Science with a single major. Similarly, in a 4-year UG programme, if the total number of credits to be earned is 160, a student of Computer Science with a minimum of 80 credits will be awarded a B.Sc. (Hons. /Hon. with Research) in Computer Science in a 4-year UG programme with a single major.

Note: The University Academic Council will decide on the list of courses under major category and credit distribution for double major, interdisciplinary and multidisciplinary programs.

5.5. Credit hours for different types of courses

The workload relating to a course is measured in terms of credit hours as following in Table3.

Table - 3: Credit Points

Course Component	Contact Periods per Week	Credits
One 50-minute Lecture (L)	1	1 credit
One 50-minute Tutorial (T)	1	1 credit
One 50-minute Practical (P)	1	0.5 credit

5.6. Types of courses/activities constitute the Programmes of study.

Each of them will require a specific number of hours of teaching/guidance and laboratory/studio/workshop activities, field-based learning/projects, internships, and community engagement and service.

(a) Lecture courses: Courses involving lectures relating to a field or discipline by expert or qualified personnel in the field of learning, work/vocation or professional practice.

(b) Tutorial courses: Courses involving problem-solving and discussions relating to a field or discipline under the guidance of qualified personnel in a field of learning/work/vocation, or professional practice.

(c) Practicum or Laboratory work: A course requiring students to participate in a project or practical or lab activity that applies previously learned/studied principles/theory related to the chosen field of learning, work/vocation, or professional practice under the supervision of an expert or qualified individual in the field of learning, work/vocation or professional practice.

(d) Seminar: A course requiring students to participate in structured discussion/conversation or debate focused on assigned tasks/readings, current or historical events, or shared experiences guided or led by an expert or qualified personnel in a field of learning, work/vocation, or professional practice.

(e) Internship: A course requiring students to participate in a professional activity or work experience, or cooperative education activity with an entity external to the education institution, normally under the supervision of an expert of the given external entity. A key aspect of the internship is induction into actual work situations**.** Internships involve working with local industry, government or private organizations, business organizations, artists, crafts persons, and similar entities to provide opportunities for students to actively engage in on-site experiential learning.

(f) Community engagement and service: Courses requiring students to participate in field-based learning/projects generally under the supervision of an expert of the given external entity. The curricular component of 'community engagement and service' will involve activities that would expose students to the socio-economic issues in society so that theoretical learning can be supplemented by actual life experiences to generate solutions to real-life problems.

5.7. Number of Credits by Type of Course

The hallmark of the new curriculum framework is the flexibility for the students to learn courses of their choice across various branches of undergraduate Programmes. This

requires that all departments prescribe a certain specified number of credits for each course and common instruction hours.

The proposed number of credits per course and the credit distribution is suggestive and the SAHE decides on course credits and distribution over 6/8 semesters in a manner that will facilitate the students to meet the minimum credit requirements as given in Appendix-1.

5.8. Courses/ Credits

(i) Ability Enhancement Courses (AEC): Language Course I: means English, compulsory for the students of all the undergraduate Programmes.

(ii) Ability Enhancement courses (AEC): Language Course II*:* The student of every undergraduate Programme must choose Telugu or Hindi under language Course II.

(iii) Multidisciplinary Courses:(MDC) Each Multidisciplinary Course in Table-4 is taught 3 Hours per week.

Table -4: List of Multidisciplinary Courses offered

S.NO	NAME OF THE MULTIDISCIPLINARY COURSE
1	Principles of Accounting
2	Cognitive Science
3	Basic Mathematics
4	Statistical Techniques-I
5	Statistical Techniques-II
6	Design Thinking
7	Introduction to Nanotechnology

(iv) Skill Development Courses (SDC): Enhancing student employability is the top priority for higher education, improving skills with the course shown in Table-5.

Table -5: List of Skill Development Courses offered

S.NO	NAME OF THE SKILL COURSE
1	Statistical Data Analysis using Excel
2	Statistical Data Analysis using R-programming
3	Statistical Data Analysis using SPSS
4	Digital Marketing
5	Programming in C
6	Introduction to Spreadsheets (Excel & VBA)
7	Problem solving using Python
8	Principles of Management

(v) Value-Added Course (VAC): Valued Added Course shall carry 3 credits. A student must complete 2 such courses (3 credits each) in Semesters I & II assigned with 6 credits. List of VAC are shown in Table-6.

Table-6: List of Value-Added Courses offered

S.NO	NAME OF THE VALUE-ADDED COURSE
1	Environmental Studies
2	Data Analysis using Power BI
3	Introduction to AI Tools
4	Understanding India
5	Digital and technological solutions
6	Health & Wellness, Yoga education, sports, and fitness

(vi) Major Courses: Major discipline is the discipline or subject of main focus, and the degree will be awarded in that discipline. Students should secure the minimum prescribed number of credits, i.e., 60(80) (about 50% of total credits-120(160)) through core courses in the major discipline. A student of UG Honours Degree must study 15(20) course papers with 60(80) credits in the chosen major.

(vii) Minor Courses: Students have to choose a Minor in the second semester. The student can choose a minor cutting across the disciplines or from the allied disciplines. A student has to study 6(8) courses in the chosen minor with 24(32) credits from the list shown in Table-7.

Table-7: List of Minor Courses offered and Eligibility

S. No	Name of the Minor	Eligibility
1	Finance	Intermediate/12th class of CBSE/ or any other equivalent certificate approved by the Board of Intermediate Education.
2	Banking	
3	Economics	
4	Cyber Security	
5	Artificial Intelligence	Intermediate/12th class of CBSE/ or any other equivalent certificate approved by the Board of Intermediate Education with (MEC, MPC) or (MBiPC)
6	Data Science	Intermediate/12th class of CBSE/ or any other equivalent certificate approved by the Board of Intermediate Education with mathematics as one subject. (MPC & MEC, MBiPC)

(viii) Summer Internship (2 – 4 credits)

A key aspect of the new UG programme is induction into actual work situations**.** Allstudents will also undergo internships in a firm, industry, or organization or Training in labs with faculty and researchers in their own or other HEIs/research institutions during the summer term.

- **Community engagement and service:** The curricular component of 'community engagement and service' seeks to expose students to the socio-economic issuesin society

so that the theoretical learnings can be supplemented by actual life experiences to generate solutions to real-life problems. This can be part of summerterm activity or part of a major or minor course depending upon the majordiscipline.

Students who wish to exit after the first year will undergo a 4-credit work-based learning/internship during the summer term to get a UG Certificate.

- **Field-based learning/minor project:** The field-based learning/minor project will attempt to provide opportunities for students to understand the different socio- economic contexts. It will aim at giving students exposure to development-relatedissues in rural and urban settings. It will provide opportunities for students to observe situations in rural and urban contexts, and to observe and study actual field situations regarding issues related to socioeconomic development. Studentswill be given opportunities to gain a first-hand understanding of the policies, regulations, organizational structures, processes, and programs that guide thedevelopment process. They would have the opportunity to gain an understandingof the complex socio-economic problems in the community, and innovative practices required to generate solutions to the identified problems. This may be asummer term project or part of a major or minor course depending on the study.

Students who wish to exit after the second year will undergo a 4-credit work-based learning/internship during the summer term to get a UG Diploma.

- **Research Project / Dissertation**

Students choosing a 4-Year Bachelor's degree (Honours with Research) are required to take up research projects under the guidance of a faculty member. Students are expected to complete the Research Project in the eighth semester. Research outcomes of their project work may be published in peer-reviewed journals or may be presented in conferences /seminars or may be patented. Allotted number of credits for research project is 12.

(ix) Other Activities

This component will include participation in activities related to National Cadet Corps (NCC) and National Service Scheme (NSS).

5.9. Duration of the Programme

(i) The duration of the UG programme is 4 years or 8 semesters. Students who desireto undergo a 3-year UG Programme will be allowed to exit after completion of the 3rd year. If a student wants to leave after the completion of the first or second year,the student will be given a UG Certificate or UG Diploma, respectively, provided they secure the prescribed number of credits.

(ii) Students who exit with a UG certificate or UG diploma are permitted to re-enter within three years and complete the degree programme.

(iii) Students may be permitted to take a break from the study during the period of study but the total duration for completing the programme shall not exceed 7 years. The maximum time span for completing the degree programme is seven years.

5.10 Academic Calendar

The University issues an annual Academic Calendar, considering specific departmental requirements and synchronizing with admission notifications.

6. STRUCTURE OF THE UNDERGRADUATE PROGRAMME

The minimum credit requirements for 3-year UG and 4-year UG (Honours) or UG (Honours with Research) Programmes and the categories of courses are given in Appendix-1.

7. ATTENDANCE

- A student shall be eligible to appear for Summative Assessment if he/she acquires a minimum of 75% attendance in aggregate of all the courses in the semester.
- Condonation of shortage in attendance may be recommended by Head of the Department on genuine medical grounds, provided the students put in at least 65% attendance and the Dean of school is satisfied with the genuineness of the reasons and conduct of the student.
- Where the practical course (papers) forms part of the curriculum of a Course, the student should complete at least 75% of the experiments conducted in the lab sessions and should have 75% attendance in addition to attendance to theory courses (papers) stated above, to become eligible to take the semester-end practical examinations.

8. PROMOTION TO THE NEXT SEMESTER

- Any student of II – VI semesters who fail to satisfy attendance criteria given in 7 shall be required to repeat the semester, in the next academic year. However, a student of I semester in the event of detention or discontinuation should seek fresh admission.
- All the students who have registered for Semester-end Examinations and satisfy attendance criteria given in 7 is eligible for promotion irrespective of their Pass or Fail.

9. READMISSION

A candidate, who is detained or discontinues a semester for valid reasons, on readmission into the same semester in the subsequent year, shall be required to pass in all the papers in

the curriculum prescribed for such batch of students in which he/she joins. However, exemption will be given from passing all those papers of the subsequent semesters, (of the batch which he/she joins now) which he/she had passed in the earlier semester he/she was originally admitted into. Further, such a candidate shall be required to pass the new papers, if any, introduced in the new curriculum.

10. TRANSFER OF CREDITS

In the case of Multidisciplinary courses and Skill Enhancement courses, students are permitted to transfer their credits from any recognized organizations to regular stream and vice versa.

11. EVALUATION OF ACADEMIC ACHIEVEMENT OF STUDENT

The academic performance of the student in all Courses (Languages, Core courses, Multidisciplinary courses, Skill Enhancement & Value-added courses) in a semester is evaluated by external examiners. Achievement in every course is evaluated in the ratio of 40:60 between CA (Continuous Assessment) and SEE (Semester End Examinations).

11.1 Continuous Assessment (CA) – Practical Courses

Continuous Assessment shall be conducted for laboratory work. Out of a maximum of 100 marks in a practical course, 60 marks shall be allotted for continuous Assessment.

11.2 Continuous Assessment (CA) – Theory Courses

Out of a maximum of 100 marks in each theory course, 40 marks shall be allotted for assessment. The teacher handling that course, in the manner prescribed hereunder, shall make the assessment. Sessional Marks are awarded with 2/3 weightage for the higher-scoring sessional test and 1/3 for the lower-scoring sessional test.

11.3 Theory Courses having Maximum Marks of 100

The academic achievement of the student is evaluated by the teacher concerned. Out of the five units of the syllabus, units I & II shall be syllabus for the first assessment test and Units III & IV shall be the syllabus for the second assessment test. 10 marks allotted for two activities based on the whole syllabus.

To sum up the Continuous Internal Assessment shall be for 40 marks, if the maximum marks are 100.

Table -8: Evaluation Procedure for Continuous Assessment

Type of the Test	Max. Marks	Duration
TEST- I	30	90 Minutes
TEST-II	30	90 Minutes
Activity	10	
Total	40	

11.4 Redress of Grievance: If a student is not satisfied with the marks awarded in Internal Assessment, he/she may bring it to the notice of the teacher evaluator.

Failure in or absence from semester-end examinations in the course shall not cause for feature of marks scored by the candidate in the continuous assessment in that course. The marks scored in the continuous assessment shall be carried forward.

12. COMPENSATORY SESSIONAL EXAMINATIONS IN CONTINUOUS ASSESSMENT

A Compensatory ssessional examination will be conducted for those students who remained absent for the exam due to valid/ unavoidable circumstances.

- Student seeking permission on account of accident or severe illness, which disables the student from writing the examination should inform the respective department authorities (Proctor/HoD) immediately through email or mobile message and submit a permission request. Afterward, he/she should submit a medical certificate from a recognized doctor.
- Student seeking permission on account of a calamity in the family (first relation only- Parents, Grandparents, and Siblings) barring the student from writing the examination should inform the respective department authorities (Proctor/HoD) immediately through email or mobile message and submit a permission request.
- Students seeking permission on account of their participation in important curricular/ co-curricular/ extra-curricular activities/ off-Campus placements should obtain prior approval from the respective department authorities (Proctor/HoD). After such an event, the student must submit the participation certificate from the competent authority at the time of reporting to the University.
- All the above requests shall be verified and approved by a committee constituted by the Dean of school and then only the student is permitted to write the compensatory test.

13. SEMESTER-END EXAMINATION

- The semester-end examinations shall be conducted for theory and practical courses, each with a three-hour duration and 100 marks at the end of every semester, with a weightage of 60% for theory and 40% for practical.
- Maximum marks for semester-end theory examinations shall be 60% where the Max marks of the course is 100 (CA + SEE) and the duration of the examination shall be 3 hours.
- The Controller of Examinations in consultation with the Dean academic courses shall fix the dates of semester-end examinations.

- A candidate, who fails to pass in semester-end examination in any course(s) may take the Examination in the course in which he/she failed either in the supplementary examination conducted at the end of / during the next semester or along with the candidates of the subsequent batch at the regular Semester-End Examinations as the case may be.

14. PASSING AND CLASSIFICATION REGULATIONS

14.1 Requirement for pass

- A candidate who secures at least 40% marks for theory in the Semester-End Examination and 40% marks in aggregate (i.e., marks in continuous assessment and Semester End Examination taken together) shall be declared to have passed that course. In case of visually challenged, the pass mark shall be reduced by 10%.
- A candidate who secures at least 50% marks for laboratory course in the Semester-End Examination and 50% marks in aggregate (i.e., marks in continuous assessment and Semester End Examination taken together) shall be declared to have passed that course.
- In order to be eligible for a Rank, Award, Gold medal, Distinction, Prizes and similar commendation, a candidate must have appeared and passed all the courses in the respective Semester-End Examinations only.
- CGPA shall be given separately for Ability Enhancement Courses (AEC), Major courses, Minor courses, MDC, SDC and VAC on the basis of marks secured which are converted into grades and grade points.
- A candidate to be eligible for the award of higher class/division shall pass all courses of major and minor earlier to or along with 6th semester end examination passing 6th semester courses in one attempt and Ability Enhancement courses earlier to or along with 4th semester examination passing the papers of major and minor in one attempt.
- Date of passing MDC, SDC & VAC will not affect the division either in AEC or Major and Minor.
- A candidate shall be considered to have passed in First class, in AEC or Major and Minor, if he/she secures a CGPA of 6.0 or more.
- A Candidate shall be considered to have passed in Second class, in AEC or Major and Minor if he/she secures CGPA 5.0 or more, but less than 6.0.
- All other candidates whose CGPA is less than 5 and more than 4 shall be declared as passed in Third class.

14.2 Minimum and Maximum Duration of the Programme: Normally, a student should complete an undergraduate programme within the term of the programme i.e., 3/4 years.

However, if the student is not able to complete the programme, three or four more years are allowed for the student to complete the programme in seven years as per the rules of SAHE University.

14.3 Grades and Grade Points: The marks are converted to letter grades based on pre-determined mark intervals. The marks in fractions are rounded off to the nearest integer. The performance of students in each course is expressed in terms of marks as well as in Letter Grades. The grades are awarded as given in the following Table-9.

Table-9: Letter Grade and Grade Point

Marks (Theory)	Marks (Lab/Project)	Grade Points	Letter Grade	Grade Description
90% and above	90% and above	10	Ex	Excellent
80 to < 90%	80 to < 90%	9	A+	Very Good
70 to < 80%	70 to < 80%	8	A	Good
60 to < 70%	60 to < 70%	7	B+	Above Average
50 to < 60%	55 to < 60%	6	B	Average
40 to < 50%	50 to < 55%	5	C	Below Average
< 40%	< 50%	0	F (Fail)	Fail
ABSENT	ABSENT	0	AB	--
--	--	NA	S	Satisfactory (Non-Credit courses)
--	--	NA	U	Unsatisfactory (Non-Credit courses)

On passing a course of a programme, the student shall earn the credits assigned to that course.

14.3.1. Calculation of Semester Grade Point Average (SGPA)

SGPA indicates the performance of a student in a given semester. SGPA is based on the total credit points earned by the student in all the courses and the total numbers of credits assigned to the courses in a semester. S_k the SGPA of the kth semester (1 to 6)is the ratio of the 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 by a student, i.e.,

$$SGPA(S_k) = \frac{\sum_{i=1}^{n}(C_I \times G_i)}{\sum_{i=1}^{n} C_i},\ k = 1,2,3,4,5,6,7,8$$

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

14.3.2 Cumulative Grade Point Average (CGPA)

CGPA is obtained by dividing the total number of credit points earned in all semesters by the total number of credits in all semesters of a programme, i.e.

$$CGPA = \frac{\sum_i (C_i \times S_i)}{\sum_i C_i}$$

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

Note: The SGPA and CGPA is rounded up to 2 decimal points and is reported in the Grade card/ sheet or transcript.

14.3.3 Classification of final result based on CGPA satisfying Rule 14.3.2.

Table-10: Classification of Final Result

Range of CGPA	Classification of Final Result
7.5≤CGPA≤10	Distinction
6.0 < 7.5	First
5.0 ≤ CGPA < 6.0	Second Class
4.0 ≤ CGPA < 5.0	Third Class
CGPA < 4.0	Fail

After completing the programme, Transcript is issued containing Grade points, Credits, Part wise CGPA and Percentage of marks.

15. TIME SPAN FOR AWARD OF DEGREE

A student is required to attend at least 75% of the classes conducted for all the theory courses, to become eligible for the semester end Examinations.

16. AWARD OF DEGREE

No students shall be eligible for the award of the degree unless he/she has successfully completed a programme, of not less than three years duration (6 semesters) and secure the minimum number of credits within the span period.

17. REVALUATION

17.1 Continuous Assessment:

The Continuous Assessment scripts shall be shown to the students before finalizing the marks. If any student has a grievance, not addressed before the finalization of marks, he/she may apply for revaluation to the head of the department concerned. The Head of the Department may constitute a two-member committee for re-evaluating the script. The

evaluation of the committee is final and binding.

17.2 Summative Examinations:

Students can submit applications for revaluation, along with the requisite fee receipt for revaluation of his/her answer script(s) of theory course(s), as per the notification issued by the Controller of Examinations, if he/she is not satisfied with marks obtained. The Controller of Examinations shall arrange for re-evaluation of those answer script(s). A new external examiner, other than the first examiner, shall re-evaluate.

17.3 Revaluation procedure

The revaluation procedure is outlined in the University revaluation policy, available on the University website.

18. MALPRACTICES

- The CoE shall refer the cases of malpractice in summative assessment to a Malpractice Enquiry Committee. Such a committee shall follow the approved scales of punishment as per the University norms. The University shall take necessary action, against the erring students based on the recommendations of the committee.
- The cases of malpractices in continuous assessment tests (both Theory and Practical) shall be resolved by the Head of the Department.
- If the Student have any grievance on the decision of the Head of the Department, he/she may appeal to the Dean of the school in the case of continuous assessment tests.
- The complete information regarding offense and punishment is available with Controller of Examination.

19. SUMMER INTERNSHIP

Three internships are mandatory for all students irrespective of the Program of study.

19.1 First internship (April-May after 1st year examinations): Community Service Project

To inculcate social responsibility and compassionate commitment among the students, the summer vacation in the intervening 1st and 2nd years of study shall be for Community Service Project.

Learning outcomes: At the end the summer internship, student will be able to…

i. Facilitate an understanding of the issues that confront the vulnerable/marginalized sections of the society.

ii. Initiate team processes with the student groups for societal change.

iii. Provide students an opportunity to familiarize themselves with urban/rural community they live in.
iv. Enable students to engage in the development of the community.
v. Plan activities based on the focused groups and know the ways of transforming society through systematic programme implementation.

19.2 Summer Internship (April-May after 2nd year examinations)

To make the students employable, an Apprenticeship / Internship / On the job training / In-house Project / Off-site Project shall be undertaken by the students in the intervening summer vacation between the 2nd and 3rd years.

Learning outcomes at the end the summer internship, student will be able to…

i. Explore career alternatives prior to graduation.
ii. Integrate theory and practice.
iii. Assess interests and abilities in their field of study.
iv. Learn to appreciate work and its function towards future.
v. Develop work habits and attitudes necessary for job success.

19.3 Third internship (8th Semester):

Research Project / Dissertation: Students choosing a 4-Year Bachelor's degree (Honours with Research) are required to take up research projects under the guidance of a faculty member. The students are expected to complete the Research Project in the eighth semester. The research outcomes of their project work may be published in peer-reviewed journals or may be presented in conferences /seminars or may be patented.

Course Outcomes: At the end the Research Project / Dissertation, student will be able to…

i. Develop a research question and hypothesis.
ii. Conduct a literature review.
iii. Collect and analyze data
iv. Draw conclusions and recommendations.
v. Communicate their findings.

Note: * Honours students' not undertaking research will do 3 courses for 12 credits in lieu of a research project / Dissertation.

20. TRANSCRIPT (FORMAT)

Based on the above recommendations on Letter grades, grade points and SGPA and CCPA, the COE of SAHE may issue the transcript for each semester and aconsolidated

transcript indicating the performance in all semesters.

21. AMENDMENTS TO REGULATIONS

The Academic Council may, from time-to-time revise, amend, or change the regulations, schemes of examination, and/or syllabi.

22. DEFINITIONS

- An Academic Program means any combination of courses and/or requirements leading to the award of a degree.
- "Course" means a subject either theory or practical identified by its course number and course title which is normally studied in a semester.
- "Degree" means an academic degree conferred by the university upon completing the postgraduate curriculum.

APPENDIX-1

BCOM (Computer Applications) & B.Sc. (Computer Science) with Minor																					
Semester	**Major* (4 Cr)**			**Minor (4 Cr)**			**Languages (3 Cr)**			**MDC (2 Cr)**			**Skill Enhancement**			**Value - added**			**Total**		
	C	**H**	**Cr**	**C**	**H**	**Cr**	**C**	**H**	**Cr**	**C**	**H**	**Cr**	**C**	**H**	**Cr**	**C**	**H**	**Cr**	**C**	**H**	**Cr**
Sem 1	2	9	8	0	0	0	1	4	3	1	3	3	1	4	3	1	3	3	6	23	20
Sem 2	1	4	4	1	4	4	1	3	3	1	4	3	1	4	3	1	3	3	6	22	20
Summer Internship – Community engagement and service																					4
Students exiting the programme after securing 40 credits will be awarded UG Certificate in the relevant Discipline / Subject provided they secure 4 credits in work based vocational courses offered during summer term or internship / Apprenticeship in addition to 6 credits from skill-based courses earned during first and second semester.																					**44**
Sem 3	2	9	8	1	4	4	1	3	2	1	3	3	1	3	3	0	0	0	6	22	20
Sem 4	3	15	12	2	8	8	0	0	0	0	0	0	0	0	0	0	0	0	5	23	20
Field – based learning/Minor project																					4
Students exiting the programme after securing 80 credits will be awarded UG Diploma in the relevant Discipline / Subject provided they secure additional 4 credits in skill based vocational courses offered during first year or second year summer term.																					**84**
Sem 5	3	15	12	2	8	8	0	0	0	0	0	0	0	0	0	0	0	0	5	23	20
Sem 6	4	20	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	20	16
TOTAL	15	72	60	6	24	24	3	10	8	3	10	9	3	11	9	2	6	6	32	133	**120**
Students who want to undertake 3-year UG programme will be awarded UG Degree in the relevant Discipline / Subject upon scoring 120 credits																					
Sem 7	4	20	16	1	5	4	0	0	0	0	0	0	0	0	0	0	0	0	5	25	20
Sem 8	4	20	16	1	5	4	0	0	0	0	0	0	0	0	0	0	0	0	5	25	20
	Note:* Honours students not undertaking research will do 3 courses for 12 credits in lien of a research project / Dissertation.																				
	Students will be awarded UG Degree (Honours) with Research in the relevant Disipline / Subject provided they secure 160 credits.																				
TOTAL	23	112	80	8	34	32	3	10	8	3	10	9	3	11	9	2	6	6	42	183	**160**

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(SU24 - B.Sc. & B.Com.) – School of Science
Assessment method w.e.f A.Y 2025-26

Assessment method for Theoretical Courses

Continuous Assessment (40M)

1. Sessional examination- I		30Marks	90 minutes duration
(Unit 1, Unit 2 and First half of the Unit 3)			
2. Sessional examination- II		30Marks	90 minutes duration
(Second half of the Unit 3, Unit 4 and Unit 5)			
3. Comprehensive Assessment	All 5 units	10Marks	

- Exam marks : **30** Marks (2/3 from best and 1/3 from other)
- Aassignments/seminars : 10 Marks

---

40 Marks

Summative Assessment (60M) (100 x 0.6 = 60M)

Part-A: 10 x 2 M = 20 Marks

Part-B: 5 x 16 M = 80 Marks

Assessment method for Laboratory Courses

Continuous Assessment (60M)

1. Regular Class work **40 Marks** Each Class 10M*....10classes (10x10x0.4 = 40M)
2. One mid exam **20 Marks**

(Procedure/code **5M**: Expt./Execution & Result **-10M** Quiz/viva **-5M**)

Summative Assessment (40M) (100 x 0.4 = 40M)

Procedure/ code:	20M
Experiment/ Execution:	40M
Result & Analysis:	20M
Quiz / Viva	20M

Assessment method for Integrated Courses

Continuous Assessment for Theory component (40M)

1. Test-1		30Marks	90 minutes duration
(Unit 1, Unit 2 and First half of the Unit 3)			
2. Test-2		30Marks	90 minutes duration
(Second half of the Unit 3, Unit 4 and Unit 5)			
3. Comprehensive Assessment	All 5 units	10Marks	

- Exam marks : **30** Marks (2/3 from best and 1/3 from other)
- Aassignments/seminars : 10 Marks

---

40 Marks

Continuous Assessment for Lab component (40M)

1. Regular Class work **10 Marks** Each Class 10M*....10classes (10x10x0.1 = 10M)
2. One mid **exam of lab by other faculty member of the department** / University -- **30 Marks**

(Procedure/code 10**M**: Expt./Execution &Result **-15M** Quiz/viva **-5M**)

Continuous Assessment Marks for Integrated Courses (40M)

a) If a course carries **4 credits** with **L: T: P = 3-0-2**, then:

- **Theory component Marks** = Obtained Theory component Marks × 3/4
- **Lab component Marks** = Obtained Lab component Marks × 1/4

b) If a course carries **3 credits** with **L: T: P = 2-0-2**, then:

- **Theory component Marks** = Obtained Theory component Marks × 2/3
- **Lab component Marks** = Obtained Lab component Marks × 1/3

c) If a course carries 4.5 **credits** with **L: T: P = 3-0-3**, then:

- **Theory component Marks** = Obtained Theory component Marks × 3/4.5
- **Lab component Marks** = Obtained Lab component Marks × 1.5/4.5

Total Continuous Assessment Marks for Integrated Course =

Theory component Marks + Lab component Marks

Weightage is given proportionally based on the credit allocation between **Theory and Lab** components of the integrated course.

Summative Assessment (60M) (100 x 0.6 = 60M)

Part-A: 10 x 2 M = 20 Marks

Part-B: 5 x 16 M = 80 Marks

✓ **Summative Assessment will be conducted for the theory part only in integrated courses.**

Pass Criteria

- A candidate who secures at least 40% marks for theory in the Semester-End Examination and 40% marks in aggregate (i.e., marks in continuous assessment and Semester End Examination taken together) shall be declared to have passed that course. In case of visually challenged, the pass mark shall be reduced by 10%.
- A candidate who secures at least 50% marks for laboratory course in the Semester End Examination and 50% marks in aggregate (i.e., marks in continuous assessment and Semester End Examination taken together) shall be declared to have passed that course.
- A Student shall be declared to have passed in **integrated course** if a candidate who secures at least 40% marks for theory in the Semester-End Examination and 40% marks in aggregate (i.e., marks in continuous assessment and Semester End Examination taken together) shall be declared to have passed that course. In case of visually challenged, the pass mark shall be reduced by 10%.

Sessional Exam – I (Unit 1, Unit 2 and First half of the Unit 3) 90 minutes duration

Q.No	Question / problem	Max Marks (30)
	PART – A	**5*2=10M**
1	UNIT- 1	2M
2	UNIT- 1	2M
3	UNIT- 2	2M
4	UNIT- 2	2M
5	UNIT- 3	2M
	PART – B	**20M**
6	UNIT- 1	8M
	(or)	
	UNIT- 1	
7	UNIT- 2	8M
	(or)	
	UNIT- 2	
8	UNIT- 3	4M
	(or)	
	UNIT- 3	

Sessional Exam – II (Second half of the Unit 3, Unit 4 and Unit 5) 90 minutes duration

Q.No	Question / problem	Max Marks (30)
	PART – A	**5*2=10M**
1	UNIT- 3	2M
2	UNIT- 4	2M
3	UNIT- 4	2M
4	UNIT- 5	2M
5	UNIT- 5	2M
	PART – B	**20M**
6	UNIT- 3	4M
	(or)	
	UNIT- 3	
7	UNIT- 4	8M
	(or)	
	UNIT- 4	
8	UNIT- 5	8M
	(or)	
	UNIT- 5	

Associate Dean Academics

Dean- School of MLSAC

DEAN
Schools of MLSAC
VIJAYAWADA-520 007

16/7/25

16/7/25