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**KISHKINDA UNIVERSITY
BALLARI**

**Master of
Computer Applications**
**Regulations
R-2026**

2-Year Postgraduate Programme

Department of Computer Applications



Version 1.0



T.E.H.R.D. Trust®

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**Kishkinda University
Ballari**

**Approved by Karnataka Act 20 of 2023, Government of Karnataka dated: 05/08/2023
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MCA Regulations

R-2026

Approved in: 5th Academic council Meeting **Dated:** 06/06/2026

For and on behalf of the Board of Management

A handwritten signature in black ink, appearing to be "T.N. Nagabhushana".

Prof. T.N. Nagabhushana
Vice Chancellor

EXECUTIVE ABSTRACT

The Academic Regulations 2026 (R-2026), Curriculum, and Course Structure of Kishkinda University State Private University are designed in alignment with NEP-2020, emphasizing continuous learning, continuous assessment and competency-based education. This regulation built upon the experiences gained from the implementation of previous regulations and incorporate refinements in curriculum, pedagogy and assessment tools, resulting in a more mature, robust and adaptive educational framework.

The MCA programme is a 2-year postgraduate programme requiring 80 graduating credits. The programme adopts the T-shaped learning philosophy, balancing breadth and depth in knowledge acquisition and is mapped to Sustainable Development Goals (SDGs) in alignment with Kishkinda University institutional commitment.

The regulations emphasize a major proportion of learning during formative stages, comprising lectures, transactions and practice sessions alongside self-learning. Experiences through industry collaborations, prototype development and research initiatives are integrated with assessments designed to capture the depth and authenticity of experiential learning.

The assessment strategy is structured into seven formative assessment stages (T1, T2, T3, T4, T5, T6 and T7), ensuring a continuous and comprehensive assessment model that progressively aligns with revised Bloom's Taxonomy and the T-shaped learning framework, reinforcing Learning–Thinking– Understanding–Skilling–Applying–Creating at each stage. The emphasis on continuous assessment is driven by the principle of continued learning, where students are consistently engaged with concepts and skills throughout their academic journey.

Salient Features of the Regulation:

- Multidisciplinary
- Continuous learning and continuous assessment
- T-Shaped Learning Philosophy
- Value Addition
- Research-oriented curriculum with Research Methodology and Seminar components
- Onward continuation from BCA (Kishkinda University) to MCA
- Industry internship / project option in final semester
- Sabbatical Semester Drop option for innovation and entrepreneurship
- Credit earning by credit transfer
- MOOCs / Swayam-based elective credits

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1. Introduction

This document contains the academic regulations, scheme of assessments, curriculum, detailed syllabi, course contents with text/reference books recommended, course outcomes, skills expected to be acquired and the projects/assignments to be performed for each course for the conduct of the 2-year MCA programme under Kishkinda University.

1.1 Definition

For the purpose of R-2026 regulation, the following definitions shall apply:

- **"Degree"** shall refer to the MCA Degree Programme.
- **"Course"** shall refer to such Course(s) for which a student shall earn Credits after due assessment as per the laid provisions. Project is also treated as a Course.
- **"Academic activities"** shall refer to Lecture (L), Transaction/Tutorial (T), and Practical/Practice Sessions (P) as defined under Section 1.5.1.
- **"Credit"** refers to a unit of measurement assigned to courses based on weekly instructional hours. One credit = one hour of lecture or two hours of T/P per week.
- **"Continuous Assessment"** shall refer to the assessment of the student spread over the entire semester on the various constituent components of the prescribed course.
- **"Semester"** shall refer to a period covering the Formative and Summative Assessment periods, generally spread over twenty weeks.
- **"Course Drop"** shall refer to a student having to undertake a 'Repeat (R)' of the Course(s) not being able to complete the Credit requirements.
- **"Supplementary Examinations"** shall refer to the examination(s) conducted to allow the student to appear in the un-cleared/Incomplete (I) Semester-End summative assessment component.
- **"Blank Semester"** shall refer to a Semester in which a student either does not register for any course OR chooses to DROP all courses OR is compelled to DROP all the courses.
- **"Semester Drop"** shall refer to availing a blank semester. If drop is availed to pursue a creative extension activity, then it is defined as a semester sabbatical.
- **"Spill Over Semester"** shall refer to the additional semester(s) beyond the completion of prescribed normal semesters.
- **"FET- Faculty of Engineering and Technology, Section"** headed by a Dean shall look into the Academics, Assessment and Awards.
- **"Attendance"** refers to the physical personal presence in an academic activity session.
- **"Summer Semester"** refers to a Semester scheduled during the intervening period of Even and Odd Semesters (Summer Vacation period).
- **"Themes"** refer to the courses offered in a particular stream other than offered by the regular

departments, for example Sports, NCC, Entrepreneurship, NSS, Yoga, Fitness, Mental health and wellbeing, Universal human values, Social connect & responsibility, AVGC (Animation, Visual Effects, Gaming, and Comics), Media & Arts, (Film, music, television, performing arts, and visual arts), Design (Fashion, graphic design, architecture, and advertising), Digital Content (Social media content creation, apps, software development, and robotics), Heritage, (Arts and crafts, museums, festivals, and cultural tourism), etc.

- **“Program”** refers to a division of institute dealing with a specific area of discipline / study.
- **“Chair persons”** refers to the Head of the respective Department, where the student is enrolled for his / her Branch of Study.
- **“Center”** refers to a structured unit within the school / department established with the purpose to carry out advanced research.
- **“Grade Point”** refers to the quantification of the performance of a candidate in a particular course as defined herein.
- **"SGPA"** refers to the Semester Grade Point Average, calculated as detailed in Section 9.1.
- **"CGPA"** refers to the Cumulative Grade Point Average, calculated as detailed in Section 9.2.
- **“Division”** refers to the Division awarded to the student as per the mechanism detailed in the regulations subsequently.
- **"Internship"** refers to onsite Practical Training offered by reputed companies/Institutions, in India or abroad. To be undertaken with (or seeking) prior approval of the respective Chairpersons.
- **"Project"** refers to a course executed by a candidate on a specific research problem/product or process development.
- **“Credit equivalence and credit transfer committee”** refers to the committee designated to look into for credit equivalence and credit transfer.

1.2 Academic Administration

The academic programmes of Kishkinda University are governed by the rules and regulations approved by the Academic Council from time to time. The curriculum and the course contents of all the programmes are discussed by the respective Board of Studies (BoS), analyzed and recommended for implementation. The Academic Council, being the highest statutory body, chaired by the Vice-Chancellor, meets four times a year and approves all important academic matters. The intended revision R-2026 was accepted and recommended by the Academic Council.

1.3 Eligibility Criteria for Admission (As per the Government orders issued from time to time)

- **Who can apply for MCA program:**

A candidate who has passed any recognized BCA / Bachelor Degree in Computer Science Engineering or equivalent Degree or Passed B.Sc. / B. Com / B.A. with Mathematics at 10 + 2 level or at Graduation level (with additional bridge courses as per the norms of the concerned University) and obtained an aggregate minimum of 50% marks taken together in all the subjects in all the years of the Degree Examination is eligible for admission to MCA courses. 45% of marks in Q. E. in case of SC, ST and Category-I of Karnataka candidates.

NOTE: Rounding off aggregate percent is not permitted. Eligibility Criteria notified by AICTE/PGCET (KEA) from Time to Time will be followed.

- **For admissions under PGCET qualification and Roaster system of Government of Karnataka:**

There shall be an Entrance Examination (PGCET) for admission to the MCA programme. A candidate seeking admission to MCA shall appear for this Examination. University shall make admissions for the students allotted by KEA.

Note: In case of vacant seats, admission to the MCA programme shall be based on Merit/Entrance Examination conducted by Kishkinda University, Ballari.

1.4 Programme Duration

For the MCA programme, the regular courses including theory and practical are offered over a period of two years in four semesters. The normal duration to complete the MCA Programme is two years. A student can avail the benefit of a spill-over period of 2 years, allowing a maximum duration of four years to complete the MCA programme. Candidates failing to complete the requirements within this period will be considered for an honorable exit, as applicable.

1.5 Courses and Credits

The term 'course' is used in a broader sense to refer to theory subjects, laboratories, research seminars and major projects. One hour of lecture (L) per week = 1 credit; two hours of practical (P) or tutorial (T) per week = 1 credit. A student earns credits upon successful completion of the course. Credits can also be earned through co-curricular and extra-curricular activities.

1.5.1 Content Delivery of a Course

- Lecture (L):** Classroom contact session wherein students learn by listening.
- Tutorial (T):** Participatory discussion, self-study, desk work, brief presentations and novel methods enabling students to absorb and assimilate lecture content.
- Practice (P):** Hands-on experience, laboratory experiments, field projects, case studies and minor/major projects.
- Self-Learning:** refers to students taking initiative or as directed by the faculty to and for their own educational journey acquiring knowledge and skills.

1.6 Composition of an Academic Year

An academic year is composed of an Odd semester (15–16 weeks), an Even semester (15–16 weeks) and a Summer semester (6–8 weeks). The regular semester that begins in July/August is known as the odd/first semester and the one that begins in December/January is known as

the even/second semester (Table1). The instructional days for a regular semester shall be a minimum of 90 working days exclusive of days earmarked for summative assessment.

Year of 12 Months											
1	2	3	4	5	6	7	8	9	10	11	12
Aug./ Sept.	Sept./ Oct.	Oct./ Nov.	Nov./ Dec.	Dec./ Jan.	Jan./ Feb.	Feb./ Mar.	Mar./ Apr.	Apr./ May	May/ June	June/ July	July/ Aug
Odd Sem/ First Sem					Even Sem/ Second Sem					Summer Sem	

Table 1: Distribution of semesters during an Academic Year.

1.6.1 Tuition Fees

Before the commencement of the semester, a candidate has to pay the stipulated tuition fee and submit an application detailing the courses intended to register.

- Before the commencement of the semester, a candidate has to pay the stipulated tuition fee and submit an application detailing the courses candidate intends to register.
- Summer semester is a short-duration semester generally conducted during the semester break. Students with 'R' (Repeat grade) courses may register during this semester. A student may register up to a max. of 16 credits in a summer semester.
- A student can register in a course offered by a visiting expert during summer vacation, equivalent to an open elective or a department elective or an Add-on course, within the scope of 13 credits.
- Summer internship credits will also be appended to the credits of Department elective / Honors / Minor / Add-on certification provided the theme of internship is in accordance with guidelines.

1.7 Semester-wise Provisions

A student may register for a max. of 20 credits per semester as prescribed. Candidate may include Repeat courses in the event of not having successfully completed a course in the earlier semester.

- During the first two years from the date of admission, a candidate has to pay the semester/annual fees as prescribed irrespective of the smaller number of credits registered.
- If a candidate gets into a spill-over semester beyond two years up to a maximum of four years, candidate has to pay semester fee proportional to the credits registered.
- A candidate has to pay additional fee proportional to the number of credits for registering in a summer semester.

2. Curriculum

The Department of Computer Applications prescribes the semester-wise curriculum encompassing different courses. Every course offered will be designated in a L-T-P-SL structure. The SL represents the expected self-learning hours to be carried out by each student.

2.1 Distribution of Credits

Credits Distribution for various categories of courses as provided in Table 2.

Category of Courses	Number of Credits	Percentage of Credits
Professional Core (PC)	36	45.00%
Electives (Dept. & Open)	18	22.50%
Humanities & Management	6	7.50%
Research Methodology / Seminar	4	5.00%
Project / Internship	16	20.00%
Total Graduating Credits	80	100%

Table 2: Credits Distribution for various categories of courses

2.2 Organization of Course Contents

Courses offered in the programme are composed of FIVE modules. Module-1 focuses on the 'Fundamentals and Broad Perspective' while introducing basic applications. Modules 2–5 encompass extension and advanced topics. Each course must have 4–5 Course Outcomes (COs) mapped to Programme Outcomes (POs), aligned with revised Bloom's Taxonomy levels 3, 4, 5 and 6. Every course has at least one mandatory textbook and two to three reference books.

2.3 Pre-requisite Knowledge

Wherever pre-requisite knowledge is mentioned, a student must register for the required courses before registering in a higher-level course. Two types of pre-requisites exist: (i) successful completion mandatory before registration, and (ii) completion of formative assessments sufficient, provided no 'R-grade' in the pre-requisite.

3. National Credit Framework / Choice Based Credit System

The MCA programme comprises Professional Core Courses, Electives, Humanities and Management Courses, Research Methodology/Seminar and Project/Internship. Kishkinda University offers flexibility for students to choose courses of their choice.

3.1 Professional Core Courses (PC)

Professional Core Courses are mandatory for all students enrolled in the MCA programme. They are designed to provide advanced, in-depth knowledge in the domains of algorithms, distributed systems, advanced databases, machine learning, cloud computing, cybersecurity, big data analytics and software architecture. These courses build upon the undergraduate computing foundation and prepare students for research and industry leadership roles.

3.1.1 Basic Sciences and Humanities

Basic science courses are included to provide engineering students with a strong foundation in scientific principles that support technological advancements and problem-solving. Courses in Management and Humanities are also included to develop their professional competence and interpersonal skills. Management courses equip students with essential skills in leadership, decision-making, and project management, preparing them for both technical and managerial roles in their careers. Humanities courses enhance their ability to communicate effectively, think critically and uphold ethical and professional responsibilities.

3.1.2 Basic Engineering

Basic engineering courses are those that every engineer, irrespective of his discipline, ought to understand to perform well in his/her discipline. IT Tools & Cyber security, Computer Programming are some of the courses that fall in this category.

3.2 Electives

A candidate has the flexibility to choose elective courses. Electives are offered in curated pools enabling students to specialize in areas such as Artificial Intelligence, Data Science, Cybersecurity, Cloud Computing and DevOps. Out of the total electives requirement, 2 credits must be earned through MOOCs offered via the Swayam platform.

Under the Creative Work-in-Lieu of a Course provision, students may earn up to 4 credits through research paper publications, patents, global certifications, or internships in lieu of a Departmental Elective. This provision applies between Semesters II and IV.

3.3 Ability Enhancement Courses (AEC)**3.3.1 Department Electives**

Department electives are those courses that are aimed at offering the advanced/ additional knowledge in the chosen branch discipline.

Care should be exercised while opting for departmental elective courses and specialization courses such that a course opted as departmental elective should not be registered as a course under Specialization and vice versa.

3.3.2 Open Electives

The elective courses offered by the departments/ centres/ themes for other department students are called as open electives. These electives are offered to enable students understand interdisciplinary nature of courses. A student's enrolment for pursuing an open elective course(s) is based on his/her choice and order of merit and subject to availability of seats.

Elective courses are spread over four semesters from second to fourth semester, to enable students earn credits from a chosen pool or otherwise.

Care should be exercised by the candidate while opting for Open electives and minor courses, such that a course opted as Open elective should not be registered as a course under Minor and vice versa.

3.4 Multi-Disciplinary Elective Courses (MDE)

Multi-Disciplinary Elective Courses aim to expand student's horizons beyond the core computer applications curriculum. They allow exploration of subjects from diverse knowledge domains, fostering cross-disciplinary thinking and the ability to integrate concepts from multiple fields.

3.5 Value Added Courses (VAC)

Value Added Courses complement the formal curriculum by focusing on holistic development, ethical understanding and contextual awareness. These courses include themes such as Environmental Studies, Physical Fitness, Universal Human Values, Indian Knowledge Systems and other binary graded compulsory courses.

3.6 Skill Enhancement Courses (SEC)

Skill Enhancement Courses are intended to equip students with practical, industry-relevant skills that strengthen their employability and entrepreneurial capabilities. Covering areas such

as digital tools, analytics, design thinking, communication and research, these courses emphasize application-oriented learning.

3.7 Research Methodology and Seminar

A course on Research Methodology and Technical Writing is offered in MCA to equip students with systematic research skills, literature review techniques, academic writing and presentation skills. In addition, a Technical Seminar is offered to encourage students to present emerging trends and research findings in computing.

3.8 Project / Internship

MCA students undertake a major project or industry internship in the final semester (Semester IV) for 12 credits. Additionally, students opting for the internship pathway are offered a 4-credit internship, wherein they undergo training in a reputed industry under the joint supervision of industry experts and an internal faculty supervisor.

3.9 Orientation session (Induction program)

Orientation session is an induction program floated to set a positive tone for the rest of the MCA program by helping students feel welcomed, informed, and prepared. This course is intended to play a crucial role in ensuring that students start their engineering education on the right foot, with a clear understanding by organizing activities related to Campus Tour, Orientation to the Institution, Academic Preparedness, Social Integration, lectures by eminent personalities, Team-Building Activities, Introduction to Student Clubs, Cultural Programs and Recreational Activities.

4. Attendance

It is mandatory for the student to attend the course work in each semester as per the academic schedule. Kishkinda University expects 100% attendance. However, the attendance in each course shall not be less than 75% of the aggregate of all L, T, P sessions conducted in that course.

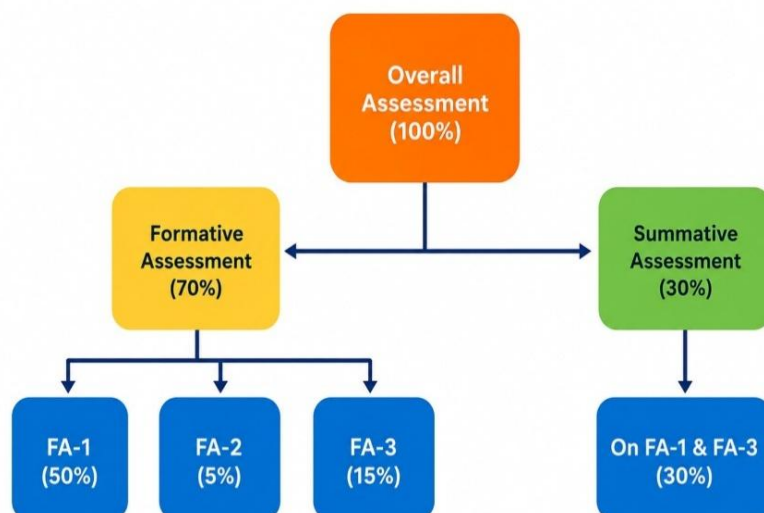
- a) The attendance calculations will be periodically reviewed at the end of every 4 weeks. The details of attendance status will be shared with the parents/guardian. The final status will be reported at the end of the 15th week.
- b) The shortage of attendance may be condoned up to 10% on the ground of ill-health, social obligations, participating/representing in sports/cultural events, placement activities etc.
- c) Documentary evidence like medical reports and certificates must be produced on time. These cases are subject to the scrutiny of a committee constituted by the Vice-Chancellor.
- d) Prior approval has to be taken from the Chairpersons for other types of leaves.
- e) Courses where attendance shortage was not condoned shall be considered as 'Repeat' (R) category. Students should re-register during summer semester or next regular semester.

5. Assessment

Teaching-Learning and Assessment should go hand in hand and complement each other. Continuous assessment plays a vital role to enable the student to get synchronized with the teaching-learning process. The performance of a student in each course is assessed on a continuous basis through various in-semester and end-semester assessment models.

5.1 Marks Distribution

For each course, the maximum sum of formative and summative assessment marks put together is 100, in the ratio of 70:30, respectively, as shown in Figure 1 and Table 3 - 4.

**Figure 1: Marks Distribution**

Assessment Component	Weightage	Maximum Marks
Formative Assessment (FA)	70%	70 Marks
Summative Assessment (SA)	30%	30 Marks
Total	100%	100 Marks

Table 3: Formative & Summative Assessment

The Formative Assessment is organized into three categories:

Category	Description	Marks
FA-1	Group-Based Continuous Assessment (T1–T5, 5 unit Targets)	100 Marks (scaled to 50)
FA-2	Regularity / Attendance-Based Assessment	10 Marks
FA-3	Internal Assessments IA-1 (T6) and IA-2 (T7)	2 × 30 = 60 Marks (Scaled to 30)
Total Formative	—	140 Marks (scaled to 70)

Table 4: Categories of Formative

5.2 Qualifying Criteria

To be declared successful in a course, a student must secure a minimum grade of 5.0 on a 10-point scale (50 out of 100). The hierarchy of qualifying criteria as given in Table 5.

- i. Attendance compliance should be 75% or within condonable range; else the candidate is put into 'R' grade.

- ii. In formative assessment, a candidate should secure a minimum of 50% i.e., 35 marks out of 70; else the candidate is put into 'R' grade.
- iii. In summative assessment, a candidate should secure a minimum of 50% i.e., 15 marks out of 30; else the candidate is put into 'I' (Incomplete) grade.
- iv. Collectively the candidate should secure a min. grade of 5.0 in a scale of 10 after relative grading; else the candidate has to choose either 'R' or 'I' grade duly being counselled.

Condition	Grade	Action
Attendance < 75% (not condoned)	R (Repeat)	Re-register for course
Formative marks < 50% (< 35/70)	R (Repeat)	Re-register for course
Summative marks < 40% (< 12/30)	I (Incomplete)	Appear for supplementary exam
Total marks < 50% (< 50/100)	R or I	Counselled for appropriate grade

Table 5: Qualifying Criteria

5.3 L-based Courses integrated with P/T

5.3.1. Formative Assessment – FA-1: Group-Based Continuous Assessment (100 Marks)

The course is divided into five units. For each unit, a group-based assessment (T1–T5) is conducted for 20 marks each. Students are randomly grouped into batches of 3–4 members.

The scheme of formative assessment is designed to promote the continuous learning. Scheme consists of assessments planned at institute level and assessment that may be scheduled by the course instructor. Institute level assessments shall be scheduled by the office of FET. Respective Faculty Member(s) shall declare the schedule of Continuous Laboratory Assessments (CLA), Quiz, Tutorials, Assignments, Seminars, Discussions, etc. Some of the components may also however take place in an unscheduled manner like Surprise Tests. However, students shall be made aware of the assessment modalities that are going to be followed in a course by the faculty, under information to the Chairpersons. Regularity of the students considered for formative assessment.

To monitor the progress of students, continuous assessment comprising of seven targets (T1, T2, T3, T4, T5, T6 and T7) is advocated for a maximum of 130 marks. Students in each section are randomly grouped into batches comprising of 3 to 4 members. These batches remain same for all courses and also for the P-sessions in the courses in that semester and are created in the beginning of that semester. For a regularity of the students 10 marks are awarded proportional to the % attendance. The suggestive modality of evaluation of Seven targets is listed here under and their timeline:

Formative Assessment is proposed to be organized into **three categories**. FA-1 (100 Marks), FA-2 (Related to attendance) (10 Marks) and FA-3 Internal Assessment IA-1 and IA-2 (30 Marks).

The detailed assessment of FA1 is as follows:

FA-1 has 7 Assessments which are categorized as T1, T2, T3, T4, T5 (100 Marks) and T6, T7 (30 Marks)

FA-1: Group-wise Continuous Assessment (100 Marks)

- The course is divided into five modules (as per the syllabus).
- For each module, a group-wise assessment is conducted.
- Each module carries a maximum of 20 marks, resulting in a total of 100 marks for five modules as given in Table 6.

Group Formation:

- Students should be divided into small groups, with not more than four students per group.

Assessment Timeline:

- Each group wise assessment should be conducted at the end of every three weeks.

Component	Marks	Duration
Group Report	6 marks	Submitted at end of unit
Individual Presentation	7 marks	4 minutes per student
Individual Discussion / Viva Voce	7 marks	4 minutes per student
Total per Unit	20 marks	—

Table 6: Formative Assessment, Group-Wise continuous Assessment**FA-2: Attendance-Based Assessment (10 Marks)**

10 marks are awarded proportional to the percentage attendance maintained. Students must maintain a minimum of 75% attendance.

FA-3: Internal Assessments IA-1 (T6) and IA-2 (T7) — 30 Marks Each

Two Internal Assessments are conducted for 30 marks each. The question paper shall cover the breadth and depth of topics in a manner aligned with revised Bloom's Taxonomy levels.

Assessment Timeline

Each module assessment should be conducted at the end of every three weeks as given in Table 7.

Weeks	Activity
Weeks 1–4	Teaching–Learning; Week 3: T1 (Unit 1, 20 marks); Week 4: Finalize T1 marks
Weeks 5–7	Teaching–Learning; Week 6: T2 (Unit 2, 20 marks); Week 7: Finalize T2 + IA-1 (T6, 30 marks)
Weeks 8–10	Teaching–Learning; Week 9: T3 (Unit 3, 20 marks); Week 10: Finalize T3 marks
Weeks 11–13	Teaching–Learning; Week 12: T4 (Unit 4, 20 marks); Week 13: Finalize T4 marks
Weeks 14–16	Week 14: IA-2 (T7, 30 marks); Week 15: T5 (Unit 5, 20 marks); Week 16: Final compilation

Table 7: Assessment Timeline

5.3.2. Distribution of Marks (20 Marks/ Per Module)

Each module assessment is divided into three components:

- Group Report (6 Marks):
 - Marks are awarded based on the quality of the group report.
 - All members of the group receive equal marks, provided the report is prepared and presented satisfactorily.
- Individual Presentation (7 Marks):
 - Each student must deliver an individual presentation.
 - Duration: 4 minutes per student if T/P is covered over 2 sessions per week; 2 to 2.5 minutes per student if T/P is covered over 1 session per week
 - Evaluation is based on clarity, understanding, and communication skills and his /her involvement in the work carried out.
- Individual Discussion / Viva Voce (7 Marks):
 - Each student is assessed individually through a viva or discussion.
 - Duration: 4 minutes per student if T/P is covered over 2 sessions per week; 2 to 2.5 min per student if T/P is covered over 1 session per week.
 - Focus is on conceptual understanding and subject knowledge.

If the course has both theory (transaction hours) and practical components, equal weightage should be given to both assessments.

5.3.3. Implementation during Transaction Hours

- All the above formative assessment activities should be conducted during the designated transaction hours.
- A typical 4-credit course follows the structure:
$$L : T : P : S = 2 : 1 : 1 : 2$$
 - Lecture (L): 2 hours
 - Transaction (T): 2 hours
 - Practical (P): 2 hours
 - Self-Learning (S): 2 hours

The Transaction (T) and Practice (P) hours should be effectively utilized for conducting these assessments.

5.3.4. FA-2: Regularity (Attendance-Based Assessment)

FA - 2 focuses on student regularity, emphasizing the importance of consistent attendance and active participation in all academic activities.

Key Guidelines:

- Students are required to maintain a minimum of 75% attendance in each course.
- Attendance will be monitored across all instructional components, including:
 - Lecture sessions
 - Transaction (Tutorial) sessions
 - Practice (Laboratory/Activity) sessions

5.3.5. Eligibility Criteria:

- Students who fail to meet the minimum attendance requirement (75%) will be:
 - Awarded an “R-Grade” (Repeater Grade)

- Not permitted to appear for the Summative Assessment (End-Semester Examination)

5.3.6. Timeline for Assessment

A semester is of 16 weeks duration for teaching- learning activities. The suggested timeline for continuous assessment is as follows:

Weeks 1–4

- Weeks 1–2: Teaching–Learning Process
- Week 3: Target 1 (T1) – Group wise Assessment 1(Generally may correspond to module1)
- Week 4: Finalization of T1 Marks (20 Marks)

Weeks 5–7

- Week 5: Teaching–Learning Process
- Week 6: Target 2 (T2) – Group wise Assessment 2 (Generally may correspond to module2)
- Week 7: Finalization of T2 Marks (20 Marks)
- Conduct of Internal Assessment – 1 (IA-1) (30 Marks)

Weeks 8–10

- Week 8: Teaching–Learning Process
- Week 9: Target 3 (T3) – Group wise Assessment 3 (Generally may correspond to module3)
- Week 10: Finalization of T3 Marks (20 Marks)

Weeks 11–13

- Week 11: Teaching–Learning Process
- Week 12: Target 4 (T4) – Group wise Assessment 4(Generally may correspond to module4)
- Week 13: Finalization of T4 Marks (20 Marks)

Weeks 14–16

- Week 14: Conduct of Individual Performance Assessment – 2 (IA-2: T7) (15 Marks)
- Week 15: Target 5 (T5) – Group wise Assessment 5 (Generally may correspond to module5)
- Week 16:
 - Completion and finalization of T5 Marks (20 Marks)
 - Consolidation of IA-1 and IA-2 (30 Marks)
 - Final evaluation and grading of Formative Assessment, including Module 2 (Attendance/Regularity)
 - Attendance assessment (10 Marks)

5.3.7. Summary

- FA-1: Total 5 Module Assessments (T1–T5) → 100 Marks
- FA-3: Two Individual (Internal) Assessments (IA-1 & IA-2(T6 & T7)) → 30 Marks each

- FA-2: Attendance assessment (10 marks)

This structured timeline ensures continuous evaluation, timely feedback, and effective academic monitoring throughout the semester.

5.3.8. Question Paper Format, Results, and Grading

The question paper should be designed without any internal choices, ensuring that:

- All questions are compulsory for students to attempt.
- Questions are inter-modular and shall not be module wise.
- This approach promotes comprehensive learning and avoids selective study patterns.

5.3.9. Quality and Structure of Questions

Special emphasis was placed on maintaining the quality and standard of the question paper, ensuring alignment with Bloom's Taxonomy levels and course outcomes.

- Each question should be carefully structured to assess different cognitive levels.
- Questions are inter-modular and shall not be module wise.
- A typical question should be divided into three to four sub-questions, arranged in an increasing order of difficulty.

5.3.10. Distribution of Marks within a Question

For example, a 20-mark question may be structured as follows:

- First Sub-question:
 - Covers Level 1 & Level 2 (Remembering & Understanding)
 - Marks: 8
- Second Sub-question:
 - Covers Level 3 (Application)
 - Marks: 7
- Third Sub-question:
 - Covers Level 4 and above (Analysis, Evaluation, Creation)
 - Marks: 5

Note: The weightages of sub questions may vary as per the course requirements and there should not be more than four sub questions.

This structure ensures a balanced assessment, evaluating both fundamental knowledge and higher-order thinking skills.

5.3.11. Outcome of the Question paper format

The question paper pattern will:

- Encourage deep learning and conceptual clarity
- Ensure uniform assessment standards across courses
- Evaluate students across multiple cognitive levels
- Reduce the scope for guesswork or selective preparation

5.3.12. Computation of Final Results

The final results for each course shall be computed based on a structured normalization and

grading process, ensuring fairness and consistency across all student groups

5.3.13. Component-wise Evaluation

The total marks (200) are divided into:

- Formative Assessment: 140 Marks
- Summative Assessment: 60 Marks
- The Formative Assessment marks shall be scaled/normalized before being combined with the Summative Assessment marks. The formative assessment component shall be scaled to 70 marks, while the summative assessment component shall be scaled to 30 marks.
- The final result shall be computed as the sum of the scaled formative and summative marks, and the student shall be awarded a grade based on this combined score.

5.3.14. Normalization of Formative Assessment Marks

The raw formative marks (out of 140) shall be scaled down to 70 marks using a normalization process based on statistical bounds.

Key Parameters:

- **GLB (Great Target Lower Bound):**
Represents the highest mark among the lower-performing group, referred to as the Minimum parameter (Min).
- **LUB (Least Upper Bound):**
Represents the maximum mark below the outliers, referred to as the Maximum parameter (Max).
- **Parameters 'a' and 'b':**
 - Decided by the Chairperson / Course Coordinator
 - 'a' (lower threshold):
 - Should be greater than 50% of 70 marks (i.e., > 35)
 - 'b' (upper threshold):

Should be less than the highest scorer's marks, ensuring exclusion of extreme outliers

$$\text{Scaled down marks} = a + (b - a) \left(\frac{\text{marks} - \text{min}}{\text{max} - \text{min}} \right)$$

The value a and b are to be decided by course coordinator along with chairperson based on the difficulty level of the question paper.

5.3.15. Scaling Approach

- The marks between Min (GLB) and Max (LUB) are proportionally scaled into the defined range (a to b).
- This ensures:
 - Reduction of extreme variations
 - Fair representation of student performance
 - Control over outliers (both low and high)
- Students scoring:
 - Below Min (GLB): are adjusted appropriately at the lower bound
 - Above Max (LUB): are capped/normalized near the upper bound

5.3.16. Final Score Computation

- The normalized formative marks (scaled to 70 (140 marks)) are combined with:
 - Summative marks (scaled to 30 (60 marks))
- The final score is then used for:
 - Grade allocation (Bilateral Relative Grading)
 - Performance classification

This normalization approach is designed to:

- Ensure equity across different evaluation groups
- Minimize bias due to varying difficulty levels or evaluation patterns
- Maintain academic standards and consistency
- Support a relative grading framework

We use the given normalization formula:

- **Scaled Marks = $a + ((b - a) \times (\text{marks} - \text{min}) / (\text{max} - \text{min}))$**

Given:

- Marks obtained = 85 out of 140
- Min = 60
- Max = 110
- a = 40
- b = 65

$$\text{Scaled Marks} = 40 + (65 - 40) \times ((85 - 60) / (110 - 60)) = 52.5$$

Scaled Formative Marks = 52.5 (out of 70) indicates successful completion of Formative assessment because he has scored more than or equal to 50 % of marks (for a maximum of 70 marks)

5.3.17. Summative Assessment & Final Evaluation Guidelines

The summative examination is conducted for 60 marks (scaled to 30) as shown in Table 8. Similarly, the summative examination marks shall be scaled down to 30 marks using the same methodology adopted for formative assessment.

- A candidate must secure at least 40% marks in the summative examination to pass.

Component	Details
Total Marks	60 (scaled to 30)
Number of Questions	3 main questions × 20 marks each
Sub-questions per main question	3–5 sub-questions
Duration	2 hours 30 minutes
Internal choices	All questions compulsory
Minimum to pass (after scaling)	50% i.e., 15 out of 30

Table 8: Summative Assessment

5.3.18. Final Result Criteria and Grading

The final marks shall be the sum of:

- Formative Assessment (70 marks), and
- Summative Assessment (30 marks)

A student shall be declared PASS if:

- The total marks $\geq 50\%$ (i.e., 50 out of 100), and
- * However occasionally total marks ≥ 47 subject to FA marks ≥ 35 and SA marks ≥ 12
- The total score (TS) shall be categorized into the following 11 grades as Shown in Table 9.

Total Score (TS)	Grade Point	Grade
$TS \geq 95.00$	10.0	O
$90.00 \leq TS < 95.00$	9.5	S
$85.00 \leq TS < 90.00$	9.0	A++
$80.00 \leq TS < 85.00$	8.5	A+
$75.00 \leq TS < 80.00$	8.0	A
$70.00 \leq TS < 75.00$	7.5	B++
$65.00 \leq TS < 70.00$	7.0	B+
$60.00 \leq TS < 65.00$	6.5	B
$55.00 \leq TS < 60.00$	6.0	C+
$50.00 \leq TS < 55.00$	5.5	C
$*47.00 \leq TS < 50.00$	5.0	D
FA < 35.00 (50%) and/ or attendance < 75%	-	R (Repeat)
SA < 12.00 (40%)	-	I (incomplete)

Table 9: Result Criteria & Grading

5.3.19. Summative Assessment Question Paper Pattern

- The summative assessment shall be conducted for 60 marks as shown in Table 10.
- The question paper shall consist of three main questions, each carrying 20 marks.
- Each question will be inter- modular and no module wise.
- Each main question may include 3 to 4 sub-questions, covering the prescribed syllabus.
- The difficulty level of the questions should be comparable as mentioned in the clause 5.3.8
- The duration of the assessment shall be 2 hours and 30 minutes.

The summative examination is conducted for 60 marks (scaled to 30):

Component	Details
Total Marks	60 (scaled to 30)
Number of Questions	3 main questions $\times$ 20 marks each

Sub-questions per main question	3–5 sub-questions
Duration	2 hours 30 minutes
Internal choices	All questions compulsory
Minimum to pass (after scaling)	50% i.e., 15 out of 30

Table 10: Summative Assessment**5.3.20. Option for course withdrawal**

A candidate may be allowed to withdraw low grade courses within 15 days of announcement of results. However, the candidate has to clearly indicate the option for either R Grade / I Grade.

5.4. P-based Courses

The detailed information consisting of experiments, batch formations, experiment schedules, etc., will be displayed / informed to the student in the first week of the semester so that the student comes prepared for the lab sessions. Copies of the lab manual will be made available to the students along with the schedule. The lab manual will consist of the list of equipment's, detailed procedure to conduct the experiment, format for record writing, outcomes for each experiment and possible set of short questions to help students gain critical understanding. The courses like IT Tools & Cyber security, Engineering Graphics, Design Thinking & Engineering will also be treated as P-based courses.

5.4.1 Formative Assessment for Practical Course

During laboratory sessions, a brief viva-voce is conducted for each student on the experiment. The Candidates is carrying out on that day. Some of the parameters that could be included in the Continuous Lab Practice Assessment (CLPA) are given in Table 11. The set of parameters may slightly differ from one laboratory to the other, and will be announced before the commencement of the lab session. These parameters are assessed for each laboratory session.

Sl.No.	Component	Marks
1	Report on proposed activity/project layout and background theory before session	4
2	Viva and interaction to evaluate understanding of concepts	4
3	Execution of activity including data/information collection	4
4	Analysis of collected data and interpretation of findings	4
5	Finalized report submitted in the next week	4
	Total per Session	20

Table 11: Suggested parameters for Lab Practice Assessment (CLPA)

Each practice session is assessed for a total of 20 marks. The cumulative scores from all sessions will be suitably mapped down to a max. of 50 marks, with FA-1 and FA-3 contributing 20 marks toward the consolidated formative assessment.

5.4.2. Summative Assessment for Practical Course

End semester examination for each practical course is conducted jointly by two examiners. The end-semester examination for each practical course is conducted jointly by two examiners. The panel of examiners is constituted by the respective Faculty Dean. The internal examiner is the faculty member who has conducted all practical sessions and associated activities throughout the semester. The external examiner is nominated from within the department and is familiar with the course's practical components but has not been directly involved in its delivery. The scheme of assessment may vary depending on the nature of the laboratory, which shall be shared with student by the laboratory in-charge. The summative assessment will be conducted for a max. Marks of 30. The general scheme of assessment is given in Table 12.

Component	Marks		
	Examiner 1	Examiner 2	Total
Objective & Procedure write up including outcomes	4	4	08
Experimentation and data collection	4	4	08
Computation of results	4	4	08
Analysis of results and Interpretation	4	4	08
Viva Voce	0	8	08
Total Marks	16	24	40

Table 12: Suggested end-semester summative assessment pattern for P-based courses.

Remarks: This is applicable if the practical course is designed for summative assessment.

5.5. Assessment and Grading of MOOCs-based Electives

Whenever a candidate opts for a course through MOOCs offered via the Swayam platform, candidate has to learn and undergo assessment as per norms set by Kishkinda University. Upon successful completion, the candidate is said to have earned the credits under credit equivalence and credit transfer.

Note: Absolute grading shall be followed.

5.6. Inter-departmental Project / Field Projects / Societal-Centric Projects

Inter departmental project / Field Projects / Societal-Centric Project work is undertaken in the even semester of II - year of programs for earning 1 credit per project by each candidate. It is expected that these inter-departmental projects result in publication of a technical paper in a peer-reviewed journal / conferences. For this purpose, Dean FET will identify and appoint faculty mentors who offer technical expertise/ guidance to students for defining clear, achievable objectives and milestones for their projects.

5.6.1. Formative Assessment (70 Marks)

During laboratory sessions, a brief viva-voce is conducted for each student on the project the candidate is carrying out on that day. Some of the parameters that could be included in the Continuous Lab Practice Assessment (CLPA) are given in Table 11. The set of parameters may slightly differ from one laboratory to the other, and will be announced

before the commencement of the lab session. These parameters are assessed for each laboratory session as shown in Table 13:

Phase	Schedule	Review	FA Marks
Phase-1	5 th –6 th week	Review-1	35
Phase-2	11 th –12 th week	Review-2	35
Total			70

Table 13: Schedule for Formative Assessment

S. No	Component	Marks
1	Report of about 1 page on proposed experimental layout and background theory before the start of lab session	4
2	Viva and interaction to evaluate understanding of concepts	4
3	Experimentation and data collection	4
4	Analysis of experimental data and interpretation	4
5	Finalized report submitted in the next week	4
Total		20

Table 14: Suggested parameters for Lab Practice Assessment (CLPA)

Each practice session is assessed for a total of 20 marks. The cumulative scores from all sessions will be suitably mapped down to a max. of 50 marks as FA-1 and FA-2 contributing 70 marks toward the consolidated formative assessment.

5.6.2. Summative Assessment

Summative assessment will be done jointly by two examiners (both from Kishkinda University) wherein one as internal examiner and the other as external examiner. These examiners will assess the project work which will involve going through the project report quality (10 marks), project presentation (10 marks) and demonstration of the project (10 marks).

The qualifying marks will be finalized considering the marks scored in summative assessment.

In case the candidate is placed in 'I' grade, The Candidates has to reappear for summative assessment, which will be held within the 15 days after declaration of results. In the consecutive assessment also if the candidate fails to secure min. required score then he/ she will be placed in 'R' grade.

- Phase-II (14th-15th week): Expert assessment — Report quality (5 marks), Presentation (5 marks), Interaction and defense (5 marks) = 15 marks.

In case the candidate is placed in 'I' grade, the candidate has to appear for both Phase-I and Phase-II assessments within 15 days after declaration of results.

5.7. Major Project

All MCA students shall carry out their major project at Kishkinda University and submit a project report, which is a mandatory requirement for the award of the degree. Each student shall undertake the project individually during the IV semester under the guidance of an internal faculty member. Every student, in consultation with the guide, shall define the project title along with the probable procedure for carrying it out, and

submit the same to a committee of 2 to 3 faculty members appointed by the Chairperson of the department. This is to avoid repetition and to arrive at a roadmap for completion of the project within the stipulated time.

Students are encouraged to select topics related to ongoing research and consultancy projects. They are expected to carry out and present a survey of literature on the topic, work out a project plan, and implement it through experimentation, modelling, simulation, or computation. They are also expected to exhibit skills in systems analysis, design, presentation, and evaluation.

The entire process of identification of respective guides, project titles, etc., is to be completed by the end of the III semester, so that the student can begin project work immediately after the III semester.

5.7.1. Formative Assessment

The progress of project is reviewed in a phase wise by the Project Review Committee (PRC) and formative assessment marks are awarded based on these reviews. The Project review committee consists of

- a) Chairperson of Department or his/her nominee – Chairperson
- b) A senior faculty member identified by the Chairpersons – member
- c) Project supervisor – member

Review schedules of PRC are to be announced by the department immediately after the commencement of class work. The review presentations are open to all the students of that section and attendance is compulsory. The first review should be of 15 minutes; the remaining reviews should be around 30 minutes. Before every review the candidate should submit their PPT along with a brief report of not exceeding two pages. It is to be expected by the committee that student communicates/publishes research article based on the project work prior to graduation.

The following aspects may be considered by the committee for assessment Table (14)

Table 15: Assessment scheme for phase wise project reviews

Phase	Review	Points to be considered	Formative assessment marks
Phase-1	Review-1	• Identification of specific area out of broad areas under the supervisor	5
		• Identification of outcomes in line with programs objectives.	5
		• Identification of tools / equipment / surveys / training needs / etc.	15
		• Completion of literature survey	5
		• Readiness of about 25% documentation	5
			35
Phase-2	Review-2	• Methodology & Implementations of Project	15
		• Presentation of results, analyses and conclusions	10

		• Objectives achieved	5
		• Preparation of report	5
			35

5.7.2. Summative Assessment

At the end of the semester, the summative assessment will be conducted in single phase.

This is an evaluation for a max of 30 marks. A committee of two members comprising of Chairpersons' nominee and Guide will assess the project work which will involve going through the project report quality (10 marks), project presentation (10 marks) and demonstration of the project (10 marks).

The qualifying marks will be finalized considering the marks scored in summative assessment.

In case the candidate is placed in 'I' grade, The Candidates has to reappear for summative assessment, which will be held within the 15 days after declaration of results. In the consecutive assessment also if the candidate fails to secure min. required score then he/ she will be placed in 'R' grade.

5.8. Internship

Internship work is undertaken either in the III or IV semester by a student in an industry, under the joint supervision of industry personnel and an internal faculty member. The internship shall be of **6 weeks' duration**, conducted in **hybrid mode** (a combination of on-site/in-person and online/remote engagement, as applicable). Seventy percentage (70%) of the marks of Internship are allotted through continuous evaluation as formative assessment and the remaining 30% are based on end semester assessment.

Table 15: Assessment scheme for Internship reviews.

Formative Assessment	Review	Formative assessment marks
FA-1	First review	20
FA-2	Second review	20
FA-3	Third review	30
		70

- The progress of internship work is reviewed by the "Internship Review Committee" and marks for formative assessment are awarded based on these reviews.
- The Internship Review Committee (IRC) consists of Chairperson of Department or his/her nominee (Chairperson), the internal and external (industry) supervisors.
- The IRC may not be the same for all students; however, the same IRC should exist for entire duration of the internship program of any single student.
- The schedule and the scheme of evaluation are to be announced with internship notification. The internship reviews may take place at the place of internship or at the university, as decided by the interning organization or may be conducted in the blended mode.

5.8.1. Formative assessment: Internal reviews at the place of internship

The internal supervisor will interact with the guide allotted at internship offering industry based on the schedule given to conduct the reviews. Scheduled reviews can be conducted by IRC on online mode for discussion/ presentation. The 20 marks obtained by students for each review will be scaled to allotted marks as given in Table (16).

- a) Students should submit a report (not more than two pages) explaining about the progress of their work, mentioning clearly details like the machines or software handled / adopted, type of data collected and his/her understanding and contribution in the programs, and the same has to be presented before the supervisors.
- b) The candidate should clearly present the completion of stipulated assignments set by the industry supervisor for that period.
- c) The evaluation will be based on a & b above and also based on regularity and discipline maintained in the internship venue.

Table 16: Suggested scheme of assessment for Phase I and II review

Phases	Component	Marks
Phase I and II	Regularity and interaction	5
	Application of knowledge	3
	Gaining of new knowledge /skills / literature survey	5
	Internship progress	4
	Report	3
Total		20

Table 17: Suggested scheme of assessment for Phase III review

Phases	Component	Marks
Phase III	Regularity and interaction	5
	Application of knowledge	3
	Gaining of new knowledge /skills / literature survey	5
	Internship progress	4
	Report	3
	Certification	10
Total		30

5.8.2. Summative assessment – Internship

At the end of the semester, the student shall submit a comprehensive report of internship covering the work done and make a final presentation in single phase as follows:

A committee comprising the internal supervisor, Chairperson's nominee, and an external

expert (chosen by the Dean, FET, from a panel of examiners suggested by the Chairperson) will jointly assess the candidate's overall internship participation, final report, and presentation/defense in a single sitting, for a maximum of 30 marks, distributed as follows:

The qualifying marks will be finalized based on the total score secured in this single-phase summative assessment.

In case the candidate is placed in the 'I' grade, he/she has to appear for reassessment within 15 days after the declaration of results. If the candidate fails to secure the minimum required score in this consecutive assessment as well, he/she will be placed in the 'R' grade.

Table 18: Suggested scheme of assessment for summative assessment

Component	Marks
Internship report quality	10
Presentation	10
Interaction, defense & overall impression	10
Total	30

5.9. Binary graded courses

Binary graded courses aim to simplify the grading process and encourage students to focus on learning and achieving the mastery rather than the pursuit of specific grades. Students will enroll in these 1-credit courses during the I, II and III semesters of programs. Unlike traditional grading systems, binary graded courses offer only two possible outcomes i.e., pass grade/R-grade. To obtain Pass grade, a candidate should maintain 75% of attendance and secure a minimum of 50% score (i.e. 50 marks out of 100) in each course; else the candidate shall be placed into 'R'-grade. There shall not be any summative assessment activity for Binary graded courses.

5.9.1. Formative assessment

The assessment will be carried in a systematic way wherein two reviews per Assessment schemes shall be conducted as mentioned in the Table (19).

Table 19: Schedule for formative assessment

Formative Assessment	Review	Formative assessment marks
FA-1	Activity - 1	20
	Activity - 2	20
FA-2	Activity - 1	30
	Activity - 2	30

6. Semester-End Assessment Activities

- Setting of semester-end summative assessment question papers will be coordinated by the course coordinator assigned for a particular course. Two sets of question papers will be submitted Latest by 10th week of the semester.
- There shall be Summative Assessment Question Paper Scrutiny Committee which would be constituted with external experts. Experts are empowered to modify / rephrase the questions to maintain a high standard of the semester-end assessment. The review should be completed by the 14th week of the semester. The review process will be coordinated by a committee of Faculty Dean, Chairpersons and external experts.
- The question wise marks scored in the summative assessment out of a total of 60 will be made available online within two weeks from the last date of examination and would be kept active for 24 hours. Latest by the end of 48 hours from the instant of notification any candidate can submit an appeal online providing question wise claim.
- Claims for re-assessment on P-based courses are not allowed.
- The appeals will be attended within next three working days. Fees for appeal, as decided from time to time, has to be remitted online along with the appeal.
- Final results and grades will be computed as explained in the next section.
- Final results and grades shall be announced within four weeks of completion of the last examination of the summative assessment (within two weeks from the last date of appeal). Grades are published on the University website, and also informed to the parents and students through SMS.
- Provisional Grade cards will be issued within two weeks after the announcement of grades. Grade card will contain three parts.

Part 1: Details of successfully completed courses.

Part 2: Details of 'I' grade courses.

Part 3: Details of 'R' grade courses.

7. Grading Policy

To ensure fair and context-sensitive assessment of student performance, a Bilateral Relative Grading System (Table 20) shall be adopted for all credit-based courses. This system permits the possibility of upward scaling, downward scaling, or retention of absolute scores, based on a holistic analysis of marks distribution, course complexity, assessment design, and class performance. The decision regarding the direction and extent of scaling shall be made by a committee duly appointed by the Hon'ble Vice-Chancellor.

The grading for each course shall be finalized by the committee, ensuring that the influence of outlier scored is minimized while accurately representing the performance of the major cohort.

This met Chairpersons supports equitable grade interpretation across diverse course deliveries and upholds the integrity of the assessment process.

Total Score (TS)	Grade	Grade Point
$TS \geq 95.00$	O	10
$90.00 \leq TS < 95.00$	S	9

$85.00 \leq TS < 90.00$	A+	8.5
$80.00 \leq TS < 85.00$	A	8
$75.00 \leq TS < 80.00$	A–	7.5
$70.00 \leq TS < 75.00$	B+	7
$65.00 \leq TS < 70.00$	B	6.5
$60.00 \leq TS < 65.00$	B–	6
$55.00 \leq TS < 60.00$	C	5.5
$50.00 \leq TS < 55.00$	D	5
$TS < 50.00$	R (Fail)	0

Table 20: Grading Policy

8. Supplementary Examinations

- 8.1** The supplementary examinations shall be conducted once in summer semester. Notifications will be released by the examination section informing the students about registration procedures, details of fee and timetables. Apart from these examinations the students who have courses with ‘I’-grade can also write the supplementary examinations along with regular semester-end examinations of that academic (Odd/Even) semester.
- 8.2** Whenever a candidate clears courses with ‘I’ grade in a supplementary examination that are conducted during a regular semester, the Threshold value for computing his/her grade will be obtained from the same batch in which The Candidates had completed his/her formative assessment.
- 8.3** Whenever a candidate clears courses with ‘R’ grade in a summer semester, the Threshold value for computing his/her grade will be carry forwarded from the preceding Odd/Even semester for the respective courses.
- 8.4** Whenever a candidate clears courses with a ‘R’ grade in a regular semester along with his/her junior batch then for this candidate the Threshold value will be corresponding to his/her junior batch for computing grade.
- 8.5** The results of summative assessment of Project/Internship will be announced only if the candidate successfully earns all the credits in courses registered during the program. If the candidate is with ‘R’/‘I’ graded courses the results will be kept under ‘Announced Later (L)’ status and will be announced only after candidate clears these courses.

9. Grade Point Average

The Academic Performance of a student in every semester is indicated by the Semester Grade Point Average (SGPA) and finally by Cumulative Grade Point Average (CGPA).

9.1 SGPA

The Semester Grade Point Average (SGPA) shall be computed using the formula given below:

$$SGPA = \frac{\sum_{i=1}^n C_i P_i}{\sum_{i=1}^n C_i}$$

Where

n = number of courses a student successfully completed in the semester under consideration

P_i = Grade points secured for the i^{th} course registered in the semester under consideration.

C_i = the number of credits assigned to i^{th} course registered in the semester under consideration

9.2 CGPA

The Cumulative Grade Point Average (CGPA) shall be computed after successful completion of the programs. The CGPA shall be expressed in different flavours to reflect MCA of 80 credits.

Accordingly, the computations will be as below:

$$\text{CGPA} = \frac{\sum_{j=1}^m C_j P_j}{\sum_{j=1}^m C_j}$$

Where

m = total number of courses prescribed for the completion of the programs

P_j = grade points secured for the j^{th} course.

C_j = the number of credits assigned to j^{th} course

10. Award of Class

The students who have become eligible for award of degree shall be classified based on their CGPA secured, as per the Table (21) given below:

Sl. No.	CGPA	Class / Division
1	8.0 and above	First Class with Distinction
2	6.5 and above but less than 8.0	First Class
3	6.0 and above but less than 6.5	Second Class
4	5.0 and above but less than 6.0	Pass class

Table 21: Class/Division information.

- For the purpose of rewarding the accomplishers with ranks and awards, toppers in each branch discipline are identified, based on their academic performance (CGPA).
- The 'Gold medal' and other 'Endowment Awards' are awarded to the 'outstanding students' based on the overall performance (CGPA).
- In addition, the institution may recognize exceptional performance such as music, dance, sports etc. and display of exceptional bravery from time to time.
- Only such candidates who complete all the courses in the first attempt and securing of credits from second year to final year shall be eligible to receive awards/ ranks.
- The candidates availing spill over semesters will not be eligible for the award of merit scholarships.

11. Award of Degree

On successful completion of prescribed requirements of the programs, the degree shall be conferred during the convocation of the Kishkinda University.

For the conferment of degree, the student has to fulfil the following requirements:

- a. A bonafide student undergone the course work of not less than four academic years and not more than eight academic years from the date of joining.
- b. Successfully completed all the courses as prescribed in the respective curriculum.
- c. Acquired a minimum eligible credit i.e., 80 credits for the award of MCA Degree.
- d. Obtained no due certificates as prescribed by Kishkinda University.
- e. No in-disciplinary proceedings pending against the candidate.

Consequent upon being convinced, following an enquiry, the Academic council may resolve to withdraw the degree / diploma / any other certification provided by the institute. The aggrieved may however prefer for a review of such decision by the Academic Council, citing cogent reasons for review or go in for an appeal to the, Board of Governors of the University.

12. Lateral Exit Options

12.1 Volunteer 'Drop' with Sabbatical Semester

A candidate may exercise his option to exit from the MCA programme temporarily for a semester to take up Internship/Innovation/Exploratory/Entrepreneurship/Advanced research/Start-up activities. A candidate can normally avail DROP over two successive semesters. Such drop semesters will be identified as sabbatical semesters.

12.2 Volunteer 'Drop' with Semester Drop Option

A candidate may voluntarily exit from the MCA programme temporarily for a semester to meet family/personal exigencies. All norms mentioned in Section 12.1 shall be applicable. The maximum programme duration remains four years.

13. Interpretation of Rules

- a. The academic rules and regulations should be read as a whole for the purpose of any interpretation.
- b. For matters NOT covered herein or for unforeseen circumstances, the Vice-Chancellor shall be authorized to decide. The same shall be reported to the next meeting of the Academic Council for ratification.
- c. The Institution may change or amend the academic rules or curriculum at any time; changes shall be applicable to all students from the dates notified.
- d. Procedural explanations may be issued by the office of Dean FET with due approval by the Chairman of the Academic Council.

ANNEXURE-1

Credit Transfer Certification Course – SWAYAM (UGC Initiative)

The Credit Transfer Certification Course is an initiative by the University Grants Commission (UGC) and is facilitated through the SWAYAM platform. It enables students to enroll in online courses across various engineering and related domains that are eligible for academic credit. These courses are designed to promote flexible learning and enhance subject knowledge beyond the regular curriculum.

Eligibility and Enrolment Requirements:

- Students are required to enroll in a course equivalent to two academic credits, as identified and approved by their respective departments.
- The selected course must not overlap with subjects the student has already studied in previous semesters.
- Only those courses approved by the department and aligned with the curriculum will be considered for credit transfer.

University Participation:

- In order to facilitate student participation, universities must register with the SWAYAM platform or establish a SWAYAM Local Chapter.
- This registration ensures institutional support for students and smooth implementation of the credit transfer process.

Course Content and Evaluation:

- All learning materials, including video lectures, reading materials, and assignments, are provided by SWAYAM.
- The Continuous Internal Evaluation (CIE) comprises assignments and quizzes conducted on the SWAYAM platform and carries 30 marks.
- The Semester End Examination (SEE) will be conducted by the university under the supervision of the Controller of Examinations, and it carries 70 marks.
- The final grade will be based on the combined score from both the CIE and SEE. As per the UG/PG regulations of the university.

Course Monitoring and Substitution:

- Each academic department is responsible for monitoring the availability of suitable SWAYAM courses and guiding students in selecting appropriate options.
- For Minor Degree Programs, course selection is subject to the availability of equivalent SWAYAM courses.
- In the event that a recommended course is unavailable, the Department Chairperson has the authority to approve suitable alternative subjects to fulfil the credit requirement.

This initiative empowers students to take advantage of national-level online resources while ensuring academic integrity and alignment with university standards.

ANNEXURE-2**Regulations Governing Admission to MCA (Lateral Entry) Programme**

1. “Regulations Governing Admission to Master of Computer Applications (MCA) Lateral Entry Programme” of Kishkinda University and shall come into force from the academic year 2026-27.

2. Programme Duration

The MCA (Lateral Entry) Programme shall be of One Academic Year / Two Semesters duration, subject to the curriculum and credit requirements prescribed by the University from time to time.

3. Intake

- Admission under Lateral Entry shall be permitted subject to the availability of seats and approval of the competent statutory authorities.
- The number of seats for lateral entry shall be as prescribed by university norms from time to time.

4. Eligibility for Admission

A candidate seeking admission to MCA (Lateral Entry) shall satisfy any one of the following eligibility requirements:

- Passed B.Tech. / B.E. in Computer Science Engineering, Information Technology, Artificial Intelligence, Data Science, Cyber Security OR BCA (Bachelor of Computer Applications) of minimum Four years duration from a recognized University with a minimum of 50% aggregate marks (45% for SC/ST/OBC and other reserved categories as per Government norms).

5. Mode of Admission : Admission to MCA (Lateral Entry) shall be made through:

- University admission process as notified from time to time for vacant seats.

6. Admission to Semester: Eligible candidates admitted under the Lateral Entry Scheme shall be directly admitted to the final year / third semester of the MCA programme as per the curriculum structure approved by the University.**7. Credit Requirements**

Candidates admitted under the MCA Lateral Entry Scheme shall be required to complete all courses and earn the credits prescribed for the Second Year of the MCA Programme as approved by the University from time to time. Wherever curricular gaps are identified, the University may prescribe appropriate Bridge Courses for 10 credits through SWAYAM, MOOCs to address curricular deficiencies, or other approved platforms.

8. Attendance Requirement

Every student admitted under the Lateral Entry Scheme shall fulfil the attendance requirements prescribed by the University for appearing in semester-end examinations.

9. Examinations and Evaluation

The scheme of examinations, internal assessment, semester-end examinations, grading system, and declaration of results shall be governed by the regulations applicable to the MCA Programme of the University.

10. Award of Degree

Candidates who successfully complete all prescribed courses, credits, project work, internship requirements, and pass all examinations shall be awarded the Degree of Master of Computer Applications (MCA) by Kishkinda University.

11. Power to Amend

The University reserves the right to amend, modify, or repeal any of these regulations from time to time in accordance with AICTE, UGC, State Government, and University guidelines.