

**SHRI VISHNU ENGINEERING COLLEGE FOR WOMEN:: BHIMAVARAM
(AUTONOMOUS)**

Approved by AICTE, New Delhi, Accredited by NAAC with “A” GRADE.

Permanently Affiliated to JNTUK, Kakinada



VISHNU
UNIVERSAL LEARNING

EXAMINATION REFORMS

2023-24

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**SHRI VISHNU ENGINEERING COLLEGE FOR WOMEN:: BHIMAVARAM
(AUTONOMOUS)**

Shri Vishnu Engineering College for Women (A) was established in 2001 to cater to the needs of the aspirations of rural girl students in the field of Engineering Education in Andhra Pradesh and was established by Padma Bhushan Dr. B.V. Raju. The College is located in pollution free campus in Vishnupur, 3 K.M. from Bhimavaram on Tadepalligudem Road. The sprawling campus spread over 100 Acre serene scenic landscape and is ideal known for its salubrious climate and presents congenial atmosphere to pursue higher studies. SVECW's infrastructure is vibrant in nature because of constant attempt to maintain pace with the development available. The infrastructure acts as a facilitator for the effective delivery of our curriculum. The Institute provides an excellent opportunity for the women students to acquire specific skills and pursue their intellectual development. At present, the Institute is offering the following Programmes leading to B.Tech. Degree.

1. Electronics & Communication Engineering.
2. Electrical & Electronics Engineering.
3. Computer Science & Engineering.
4. Information Technology.
5. Mechanical Engineering.
6. Civil Engineering.
7. CSE-Artificial Intelligence & Data Science.
8. CSE-Artificial Intelligence & Machine Learning.
9. CSE-Cyber Security.

The first four of the above courses are accredited by NBA for 3 years in the Academic year 2022-2023 onwards.

The Institute also offers the following PG courses.

1. M.Tech. (VLSI Design)
2. M.Tech. (Power Electronics)
3. M.Tech (Software Engineering)
4. M.Tech (C.S.E.)
5. MBA

Shri Vishnu Engineering College for Women has an autonomous status from 2014-15 academic year onwards.



**SHRI VISHNU ENGINEERING COLLEGE FOR WOMEN:: BHIMAVARAM
(AUTONOMOUS)**

R23 Regulations

The Institute follows semester system for UG (B.Tech.) Programmes.

B.Tech. Programme

R23BT.1. Title and Duration of the Programme

The UG Programme shall be called the degree Programme in **Bachelor of Technology**, abbreviated as **B.Tech.**

The course shall be of **four academic years** duration divided into **eight semesters**, each semester having duration of minimum 16 weeks of instruction period.

The calendar of events which includes MID Examinations, Internal Practical Examinations, External Practical Examinations and Semester End Examinations in respect of the course shall be fixed by the Institute from time to time.

The Semester End Examinations (SEE) in all the subjects shall be conducted at the end of each semester for all the eight semesters.

Students joining the B.Tech. Programme shall have to complete the programme in a stipulated time frame of 8 years from the date of joining & Students joining the B.Tech. Programme in the third semester directly through Lateral Entry Scheme (LES) shall have to complete the programme in a stipulated time frame of 6 years from the date of joining Otherwise they shall forfeit their seat in B.Tech Programme and their admission shall stand cancelled.

When a student is detained for lack of credits / shortage of attendance, she may be re-admitted into the same semester / year in which she has been detained. However, the academic regulations under which she was first admitted shall continue to be applicable to her.

R23BT.2. Award of B.Tech. Degree

(a) Award of the B.Tech. Degree / B.Tech. Degree with a Minor if he/she fulfils the following:

(i) Pursues a course of study for not less than four academic years and not more than eight academic years. However, for the students availing Gap year facility this period shall be extended by two years at the most and these two years would be in addition to the maximum period permitted for graduation (Eight years).

(ii) Registers for 160 credits and secures all 160 credits.

(b) Award of B.Tech. degree with Honors

A student will be declared eligible for the award of the B.Tech. with Honors if he/she fulfils the following:

(i) Student secures additional 15 credits fulfilling all the requisites of a B.Tech. program i.e., 160 credits.

(ii) Registering for Honors is optional.

(iii) Honors is to be completed simultaneously with B.Tech. programme

R23BT.3. Attendance Requirements

i) A student shall be eligible to appear for the University external examinations if she acquires a minimum of 40% attendance in each subject and 75% of attendance in aggregate of all the subjects. Condonation of shortage of attendance in aggregate up to 10% (65% and above and below 75%) in each semester may be granted by the College Academic Committee. Students availing condonation on medical ground shall produce a medical certificate issued by the competitive authority.

ii) Shortage of Attendance below 65% in aggregate shall in NO CASE be condoned.

iii) A stipulated fee shall be payable towards condonation of shortage of attendance to the University.

iv) Students whose shortage of attendance is not condoned in any semester are not eligible to take their end examination of that class and their registration shall stand cancelled.

v) A student will not be promoted to the next semester unless she satisfies the attendance requirements of the present semester. They may seek readmission for that semester from the date of commencement of class work.

vi) If any candidate fulfils the attendance requirement in the present semester, he/she shall not be eligible for readmission into the same class.

vii) If the learning is carried out in blended mode (both offline & online), then the total attendance of the student shall be calculated considering the offline and online attendance of the student.

viii) For induction programme attendance shall be maintained as per AICTE norms.

R23BT.4. Transitory Regulations

Discontinued, detained, or failed candidates are eligible for readmission as and when the semester is offered after fulfilment of academic regulations. Candidates who have been detained for want of attendance or not fulfilled academic requirements or who have failed after having undergone the course in earlier regulations or have discontinued and wish to continue the course are eligible for admission into the unfinished semester from the date of commencement of class work with the same or equivalent subjects as and when subjects are offered, subject to Section 2 and they will follow the academic regulations into which they are admitted.

Candidates who are permitted to avail Gap Year shall be eligible for re-joining into the succeeding year of their B.Tech from the date of commencement of class work, subject to Section 2 and they will follow the academic regulations into which they are admitted.

Promotion Rules:

i) A student shall be promoted from first year to second year if he/she fulfils the minimum attendance requirement as per university norms.

ii) A student will be promoted from II to III year if he/she fulfils the academic requirement of securing 40% of the credits (any decimal fraction should be rounded off to lower digit) up to in the subjects that have been studied up to III semester.

iii) A student shall be promoted from III year to IV year if he/she fulfils the academic requirements of securing 40% of the credits (any decimal fraction should be rounded off to lower digit) in the subjects that have been studied upto V semester.

And in case a student is detained for want of credits for a particular academic year by ii) & iii) above, the student may make up the credits through supplementary examinations and only after securing the required credits he/she shall be permitted to join in the V semester or VII semester respectively as the case may be.

iv) When a student is detained due to lack of credits/shortage of attendance he/she may be re-admitted when the semester is offered after fulfilment of academic regulations. In such case, he/she shall be in the academic regulations into which he/she is admitted.

R23BT.5. Distribution and weightage of marks

The performance of a student in each semester shall be evaluated subject wise with a maximum of 100 marks for theory and 100 marks for practical subject. Summer Internships shall be evaluated for 50 marks, Full Internship & Project work in final semester shall be evaluated for 200 marks, mandatory courses with no credits shall be evaluated for 30 mid semester marks.

A student has to secure not less than 35% of marks in the end examination and a minimum of 40% of marks in the sum of the mid semester and end examination marks taken together for the theory, practical, design, drawing subject or project etc. In case of a mandatory course, he/she should secure 40% of the total marks.

THEORY COUSES

- For theory subject, the distribution shall be 30 marks for Internal Evaluation and 70 marks for the End-Examination.
- For practical subject, the distribution shall be 30 marks for Internal Evaluation and 70 marks for the End-Examination.
- If any course contains two different branch subjects, the syllabus shall be written in two parts with 3 units each (Part-A and Part-B) and external examination question paper shall be set with a weightage of 35 marks for each part of the subject.

- If any subject is having both theory and practical components, they will be evaluated separately as theory subject and practical subject. However, they will be given same subject code with an extension of 'T' for theory subject and 'P' for practical subject.

Continuous Internal Evaluation:

- For theory subjects, during the semester, there shall be two midterm examinations. Each midterm examination shall be evaluated for 30 marks of which 10 marks for objective paper (20 minutes duration), 15 marks for subjective paper (90 minutes duration) and 5 marks for assignment.
- Objective paper shall contain for 05 short answer questions with 2 marks each or maximum of 20 bits for 10 marks. Subjective paper shall contain 3 either or type questions (totally six questions from 1 to 6) of which student has to answer one from each either-or type of questions. Each question carries 10 marks. The marks obtained in the subjective paper are condensed to 15 marks.
- If a student is absent for any one midterm examination, she can appear for a Grand Test after mid-2. The Grand Test will be conducted with questions covering the entire syllabus. The marks in the grand test are reduced to 25 marks and to be considered for respective mid.
- First midterm examination shall be conducted for I, II units of syllabus with one either or type question from each unit and third either or type question from both the units. The second midterm examination shall be conducted for III, IV and V units with one either or type question from each unit.
- Final mid semester marks shall be arrived at by considering the marks secured by the student in both the mid examinations with 80% weightage given to the better mid exam and 20% to the other.

End Examination Evaluation:

- End examination of theory subjects shall have the following pattern:
- The end semester examination is conducted for 70 marks by covering the topics of all units. Part-A contains mandatory short answer questions, 5 questions for total 10 marks covering all the units. Part-B contains 10 questions (two from each unit with either – or choice) of 12 marks each. 1 question has to be answered from each unit (5 x 12 = 60 marks).
- End examination of theory subjects consisting of two parts of different subjects, for Example: Basic Electrical & Electronics Engineering shall have the following pattern:
- External examination question paper shall be set with a weightage of 35 marks for each part of the subject. The end semester examination is conducted for 70 marks by covering the topics of all units. Part-A contains mandatory short answer questions, 6 questions for total 10 marks covering all the units. Part-B contains 12 questions (two from each unit with either – or choice) of 10 marks each. 1 question has to be answered from each unit (6 x 10 = 60 marks).

PRACTICAL COURSES

- For practical courses, there shall be a continuous evaluation during the semester for 30 sessional marks and end examination shall be for 70 marks.

- Day-to-day work in the laboratory shall be evaluated for 15 marks by the concerned laboratory teacher based on the regularity/record/viva and 15 marks for the internal test.
 - The end examination shall be evaluated for 70 marks, conducted by the concerned laboratory teacher and a senior expert in the subject from the same department.
 - Procedure: 20 marks
 - Experimental Work & Results: 30 marks
 - Viva-Voce: 20 marks
 - For the subject having design and/or drawing, such as Engineering Drawing, the distribution of marks shall be 30 for mid semester evaluation and 70 for end examination.
 - Day-to-day work shall be evaluated for 15 marks by the concerned subject teacher based on the reports/submissions prepared in the class. And there shall be two midterm examinations in a semester for duration of 2 hours each for 15 marks with weightage of 80% to better mid marks and 20% for the other. The subjective paper shall contain 3 either or type questions of equal weightage of 5 marks. There shall be no objective paper in mid semester examination. The sum of day-to-day evaluation and the mid semester marks will be the final sessional marks for the subject.
 - The end examination pattern for Engineering Graphics, shall consists of 5 questions, either/or type, of 14 marks each. There shall be no objective type questions in the end examination. However, the end examination pattern for other subjects related to design/drawing , multiple branches, etc is mentioned along with the syllabus.
- Full Semester Internship and Project work:**
- In the final semester, the student should mandatorily register and undergo internship (onsite/virtual) and in parallel he/she should work on a project with well-defined objectives. At the end of the semester the candidate shall submit an internship completion certificate and a project report. A student shall also be permitted to submit project report on the work carried out during the internship.
 - The project report shall be evaluated with an external examiner. The total marks for project work 200 marks and distribution shall be 60 marks for internal and 140 marks for external evaluation. The supervisor assesses the student for 30 marks (Report: 15 marks, Seminar: 15 marks). At the end of the semester, all projects shall be showcased at the department for the benefit of all students and staff and the same is to be evaluated by the departmental Project Review Committee consisting of supervisor, a senior faculty and HOD for 30 marks. The external evaluation of Project Work is a Viva-Voce Examination conducted in the presence of internal examiner and external examiner appointed by the University and is evaluated for 140 marks.
 - The college shall facilitate and monitor the student internship programs. Completion of internships is mandatory, if any student fails to complete internship, he/she will not be eligible for the award of degree. In such cases, the student shall repeat and complete the internship.

R23BT.6. Conditions For Pass and Award of credits for a course

A candidate shall be declared to have passed in individual theory/drawing course if she secures a minimum of 40% aggregate marks (40 marks out of 100, Internal and semester end examination marks put together), subject to a minimum of 35% marks (24 marks out of 70) in semester end examination. For successful completion of mandatory audit course the student must get a satisfactory(pass) grade from the department offering the course. If fails, she has to reappear whenever the course is offered.

A candidate shall be declared to have passed in individual lab/project/seminar/ Internship/ Skill oriented course if she secures a minimum of 40% aggregate marks (Internal and semester end examination marks put together), subject to minimum of 35% marks in semester end examination.

The student must pass the failed course by appearing the supplementary examination as per the requirement for the award of degree.

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

R23BT.7. Method of awarding Letter Grades and Grade Points for a course

The institute has changed student evaluation system from Percentages to Grading system.

A letter grade and grade points will be awarded to a student in each course based on her performance as per the grading system given below

Percentage of Marks Range	Level	Letter Grade	Grade Point
90 & above	Superior	S	10
80-89	Excellent	A	9
70-79	Very Good	B	8
60-69	Good	C	7
50-59	Average	D	6
40-49	Pass	E	5
<40	Fail	F	0
-	Absent	AB	0

i)A student obtaining Grade ‘F’ or Grade ‘Ab’ in a subject shall be considered failed and will be required to reappear for that subject when it is offered in the next supplementary examination.

ii)For non-credit audit courses, “Satisfactory” or “Unsatisfactory” shall be indicated instead of the letter grade and this will not be counted for the computation of SGPA/CGPA/Percentage

R23BT.8. Calculation of Semester Grade Points Average (SGPA) for semester

The Performance of each student at the end of each semester is indicated in terms of SGPA.

The SGPA is calculated as below:

The Semester Grade Point Average (SGPA) is the ratio of sum of the product of the number of credits with the grade points scored by a student in all the courses taken by a student and the sum of the number of credits of all the courses undergone by a student, i.e.

$$\text{SGPA} = \frac{\sum (C_i \times G_i)}{\sum C_i}$$

where, C_i is the number of credits of the i^{th} subject and G_i is the grade point scored by the student in the i^{th} course.

R23BT.9. Calculation of Cumulative Grade Points Average (CGPA)

The CGPA is calculated as below:

The Cumulative Grade Point Average (CGPA) will be computed in the same manner considering all the courses undergone by a student over all the semesters of a program, i.e. $\text{CGPA} = \frac{\sum (C_i \times S_i)}{\sum C_i}$

where 'S_i' is the SGPA of the i^{th} semester and C_i is the total number of credits in that semester. Both SGPA and CGPA shall be rounded off to 2 decimal points and reported in the transcripts. While computing the SGPA/CGPA, the subjects in which the student is awarded Zero grade points will also be included.

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

Letter Grade: It is an index of the performance of students in a said course.

Grades are denoted by letters S, A, B, C, D, E and F

Equivalent Percentage for CGPA is = (CGPA - 0.5) x 10

R23BT.10. Grade Sheet

A Grade Sheet containing credits & grades obtained by the candidates will be issued after completion of the each semester examination

R23BT.11. Consolidated Grade Card

A consolidated grade card containing credits & grades obtained by the candidates will be issued after completion of the four years B.Tech Programme.

R23BT.12. Revaluation

As per the notification issued by the Controller of Examination, the student can submit the application for revaluation, along with the fee receipt for revaluation of her answer script(s) of theory course(s), if she is not satisfied with the Grade obtained. The Controller of Examination shall arrange for revaluation of those answer script(s).

For Revaluation a new external examiner, other than the first examiner, shall re-evaluate the answer script(s). If there is any change in marks (below 15% of the maximum External marks) the highest of the two marks will be considered and if there is any change in marks (Equal or above 15% of the maximum External marks), the script will be evaluated by the third valuator. The marks of all the three valutors are compared and the average of two nearer marks will be awarded to the student.

R23BT.13. Supplementary Examinations

Supplementary examinations shall be conducted twice in an academic year, along with regular semester end examinations.

R23BT.14. Award of Division

The award of division for B.Tech programme for the candidates who were admitted into respective programmes in the year 2020-2021 and onwards as shown in the following table.

CGPA secured from 160 credits (121 credits for Lateral Entry Students)	DIVISION
≥ 7.5	First Class with distinction
≥ 6.5 to < 7.5	First Class
≥ 5.5 to < 6.5	Second Class
≥ 5.0 to < 5.5	Pass Class

R23BT.15. Curricular Framework for Skill Oriented Courses

- i) There shall be five skill-oriented courses offered during III to VII semesters.
- ii) Out of the five skill courses two shall be skill-oriented courses from the same domain. Of the remaining three skill courses, one shall be a soft skill course and the remaining two shall be skill-advanced courses from the same domain/Interdisciplinary/Job oriented.
- iii) The course shall carry 100 marks and shall be evaluated through continuous assessments during the semester for 30 sessional marks and end examination shall be for 70 marks. Day-to-day work in the class / laboratory shall be evaluated for 30 marks by the concerned teacher based on the regularity/assignments/viva/mid semester test. The end examination similar to practical examination pattern shall be conducted by the concerned teacher and an expert in the subject nominated by the principal.
- iv) The Head of the Department shall identify a faculty member as coordinator for the course. A committee consisting of the Head of the Department, coordinator and a senior Faculty member nominated by the Head of the Department shall monitor the internal evaluation process. The marks/grades shall be assigned to the students by the above committee based on their performance.
- v) The student shall be given an option to choose either the skill courses being offered by the college or to choose a certificate course being offered by industries/Professional bodies or any other accredited bodies. If a student chooses to take a Certificate Course offered by external agencies, the credits

shall be awarded to the student upon producing the Course Completion Certificate from the agency. A committee shall be formed at the level of the college to evaluate the grades/marks given for a course by external agencies and convert to the equivalent marks/grades.

vi)The recommended courses offered by external agencies, conversions and appropriate grades/marks are to be approved by the University at the beginning of the semester. The principal of the respective college shall forward such proposals to the University for approval.

vii)If a student prefers to take a certificate course offered by external agency, the department shall mark attendance of the student for the remaining courses in that semester excluding the skill course in all the calculations of mandatory attendance requirements upon producing a valid certificate as approved by the University.

R23BT.16. Curricular Framework for Honors Programme

The objective of introducing B.Tech. (Hons.) is to facilitate the students to choose additionally the specialized courses of their choice and build their competence in a specialized area in the UG level. The programme is a best choice for academically excellent students having good academic record and interest towards higher studies and research.

i)Honors is introduced in the curriculum of all B. Tech. programs offering a major degree and is applicable to all B. Tech (Regular and Lateral Entry) students admitted in Engineering & Technology.

ii)A student shall earn additional 15 credits for award of B.Tech.(Honors) degree from same branch/department/discipline registered for major degree. This is in addition to the credits essential for obtaining the Undergraduate degree in Major Discipline (i.e., 160 credits).

iii)A student is permitted to register for Honors in IV semester after the results of III Semester are declared and students may be allowed to take maximum two subjects per semester pertaining to the Honors from V Semester onwards.

iv)The concerned Principal of the college shall arrange separate class work and timetable of the courses offered under Honors program.

v)Courses that are used to fulfil the student's primary major may not be double counted towards the Honors. Courses with content substantially equivalent to courses in the student's primary Major may not be counted towards the Honors.

vi)Students can complete the courses offered under Honors either in the college or in online platforms like SWAYAM with a minimum duration of 12 weeks for a 3-credit course and 8 weeks duration for a 2-credit course satisfying the criteria for credit mobility. If the courses under Honors are offered in conventional mode, then the teaching and evaluation procedure shall be similar to regular B. Tech courses.

vii)The attendance for the registered courses under Honors and regular courses offered for Major degree in a semester are to be considered separately.

viii)A student shall maintain an attendance of 75% in all registered courses under Honors to be eligible for attending semester end examinations. However, condonation for shortage of attendance between 65 to 75% may be granted by the College Academic Committee.

ix) A student registered for Honors shall pass in all subjects that constitute the requirement for the Honors degree program. No class/division (i.e., second class, first class and distinction, etc.) shall be awarded for Honors degree programme.

x) If a student drops or is terminated from the Honors program, the additional credits so far earned cannot be converted into open or core electives; they will remain extra. However, such students will receive a separate grade sheet mentioning the additional courses completed by them.

xi) The Honors will be mentioned in the degree certificate as Bachelor of Technology (Honors) in XYZ. For example, B.Tech. (Honors) in Mechanical Engineering

xii) The students registered for Minor degree shall not be permitted to register for B. Tech (Honors).

xiii) An SGPA or CGPA in excess of 7.0 has to be maintained in the subsequent semesters in major as well as Honors degree in order to keep the Honors degree registration active.

xiv) Honors degree shall not be awarded at any circumstances without completing the regular major B. Tech programme in which a student got admitted.

xv) A separate transcript shall be issued for the Honors subjects passed in each semester.

Enrolment into Honors:

i) Students of a Department/Discipline are eligible to opt for Honors program offered by the same Department/Discipline

ii) The enrolment of student into Honors is based on the CGPA obtained in the major degree program. CGPA shall be taken up to III semester in case of regular entry students and only III semester in case of lateral entry students. Students having 7 CGPA without any backlog subjects will be permitted to register for Honors.

iii) If a student is detained due to lack of attendance either in Major or in Honors, registration shall be cancelled.

iv) Transfer of credits from Honors to regular B. Tech degree and vice-versa shall not be permitted.

v) Honors is to be completed simultaneously with a Major degree program.

Registration for Honors:

i) The eligible and interested students shall apply through the HOD of his/her parent department. The whole process should be completed within one week before the start of every semester. The concerned department shall submit the final list of selected students to the Principal. Selected students shall be permitted to register the courses under Honors.

ii) The selected students shall submit their willingness to the principal through his/her parent department offering Honors. The parent department shall maintain the record of students pursuing the Honors.

iii) The students enrolled in the Honors courses will be monitored continuously. An advisor/mentor from parent department shall be assigned to a group of students to monitor the progress.

iv) There is no fee for registration of subjects for Honors program offered in offline at the respective institutions.

R23BT.17. Curricular Framework for Minor Programme

To promote interdisciplinary knowledge among the students, the students admitted into B.Tech. in a major stream/branch are eligible to obtain degree in Minor in another stream.

i)The Minor program requires the completion of 12 credits in Minor stream chosen.

ii)Two courses for 06 credits related to a Minor are to be pursued compulsorily for the minor degree, but may be waived for students who have done similar/equivalent courses. If waived for a student, then the student must take an extra elective course in its place. It is recommended that students should complete the compulsory courses (or equivalents) before registering for the electives.

iii)Electives (minimum of 2 courses) to complete a total of 12 credits.

Note: A total of 04 Open Electives are offered in the curriculum. A student can complete the requirement for Minor within the 160 credits by opting for the courses offered through various verticals/tracks under Open Electives.

Registration for Minor:

i)The interested students shall apply through the HOD of her parent department in Vth semester. The whole process should be completed within one week before the start of the semester.

ii)The department offering Minor shall submit the final list of interested students to the Principal. The students shall submit their willingness to the principal through her parent department.

iii)The department offering Minor shall maintain the record of students pursuing the Minor.

iv)An advisor/mentor from parent department shall be assigned to a group of students to monitor the progress.

R23BT.18. Massive Open Online Courses (MOOCs):

A Student has to pursue and complete one course compulsorily through MOOCs approved by the University. A student can pursue courses other than core through MOOCs and it is mandatory to complete one course successfully through MOOCs for awarding the degree. A student is not permitted to register and pursue core courses through MOOCs.

A student shall register for the course (Minimum of either 8 weeks or 12 weeks) offered through MOOCs with the approval of Head of the Department. The Head of the Department shall appoint one mentor to monitor the student's progression. The student needs to earn a certificate by passing the exam. The student shall be awarded the credits assigned in the curriculum only by submission of the certificate. Examination fee, if any, will be borne by the student.

Students who have qualified in the proctored examinations conducted through MOOCs platform can apply for credit transfer as specified and are exempted from appearing internal as well as external examination (for the specified equivalent credit course only) conducted by the university.

Necessary amendments in rules and regulations regarding adoption of MOOC courses would be proposed from time to time.

R23BT.19. Mandatory Internships:

Summer Internships:

Two summer internships either onsite or virtual each with a minimum of 08 weeks duration, done at the end of second and third years, respectively are mandatory. It shall be completed in collaboration with local industries, Govt. Organizations, construction agencies, Power projects, software MNCs or any industries in the areas of concerned specialization of the Undergraduate program. The summer internship at the end of second year (Community Service Project) shall be society oriented and shall be completed in collaboration with government organizations/NGOs & others. The other internship at the end of third year is Industry Internship and shall be completed in collaboration with Industries. The student shall register for the internship as per course structure after commencement of academic year. The guidelines issued by the APSICHE/ University shall be followed for carrying out and evaluation of Community Service Project and Industry Internship.

Evaluation of the summer internships shall be through the departmental committee. A student will be required to submit a summer internship report to the concerned department and appear for an oral presentation before the departmental committee comprising of Head of the Department, supervisor of the internship and a senior faculty member of the department. A certificate of successful completion from industry shall be included in the report. The report and the oral presentation shall carry 50% weightage each. It shall be evaluated for 50 external marks. There shall be no internal marks for Summer Internship. A student shall secure minimum 40% of marks for successful completion. In case, if a student fails, he/she shall reappear as and when semester supplementary examinations are conducted by the University.

R23BT.20. Multiple Entry/Exit Option:

(a)Exit Policy:

The students can choose to exit the four-year programme at the end of first/second/third year.

i)UG Certificate (in Field of study/discipline) - Programme duration: First year (first two semesters) of the undergraduate programme, 40 credits followed by an additional exit 10-credit bridge course(s) lasting two months, including at least 6- credit job-specific internship/apprenticeship that would help the candidates acquire job-ready competencies required to enter the workforce.

ii)UG Diploma (in Field of study/discipline) - Programme duration: First two years (first four semesters) of the undergraduate programme, 80 credits followed by an additional exit 10-credit bridge course(s) lasting two months, including at least 6- credit job-specific internship/apprenticeship that would help the candidates acquire job-ready competencies required to enter the workforce.

iii) Bachelor of Science (in Field of study/discipline) i.e., B.Sc. Engineering (in Field of study/discipline)- Programme duration: First three years (first six semesters) of the undergraduate programme, 120 credits.

(b)Entry Policy:

Modalities on multiple entry by the student into the B.Tech. programme will be provided in due course of time.

R23BT.21. Academic Bank of Credits (ABC):

The University has implemented Academic Bank of Credits (ABC) to promote flexibility in curriculum as per NEP 2020 to

- i. provide option of mobility for learners across the universities of their choice.
- ii. provide option to gain the credits through MOOCs from approved digital platforms.
- iii. facilitate award of certificate/diploma/degree in line with the accumulated credits in ABC.
- iv. execute Multiple Entry and Exit system with credit count, credit transfer and credit acceptance from students' account.

M.Tech. Programme

The Institute follows semester system for PG (M.Tech. & M.B.A) Programmes

R22MT.1. Title and Duration of the Programme

The programme shall be of **two academic years** duration divided into **four semesters**, each semester having duration of minimum 16 weeks.

The calendar of events which includes MID Examinations, Internal Practical Examinations, External Practical Examinations and Semester End Examinations in respect of the course shall be fixed by the Institute from time to time.

The examination in all the subjects shall be conducted at the end of each semester for all the four semesters.

A student shall be declared eligible for the award of M.Tech degree, if she pursues a course of study and completes it successfully for not less than two academic years and not more than four academic years.

The course shall be called the P.G course in **Master of Technology**, abbreviated as **M.Tech.**

A Student, who fails to fulfill all the academic requirements for the award of the degree within four academic years from the year of their admission, shall forfeit her seat in M.Tech.

R22MT.2. Award of M.Tech. Degree

A student shall be declared eligible for the award of M.Tech degree, if she pursues a course of study and completes it successfully for not less than two academic years and not more than four academic years.

A Student, who fails to fulfill all the academic requirements for the award of the degree within four academic years from the year of their admission, shall forfeit her seat in M.Tech course.

Each discipline of the M.TECH programme is designed to have a total of 68 credits, and the student shall have to complete the course and earn all credits as per the requirements for award of the degree.

R22MT.3. Distribution and Weightage of Marks

The performance of the candidate in each semester shall be evaluated subject-wise, with a maximum of 100 marks for theory and 100 marks for practical's, on the basis of Internal Evaluation and End Semester Examination.

For the theory subjects 60 marks shall be awarded based on the performance in the end semester examination and 40 marks shall be awarded based on the Internal Evaluation.

The internal evaluation shall be made based on the average of the marks secured in the two Mid Term-Examinations conducted-one in the middle of the semester and the other immediately after the completion of instruction. Each midterm examination shall be conducted for a total duration of 120 minutes with 4 questions (without choice) each question for 10 marks. End semester examination is conducted for 60 marks for 5 questions to be answered out of 8 questions.

For practical subjects, 60 marks shall be awarded based on the performance in the End Semester Examinations and 40 marks shall be awarded based on the day-to-day performance as Internal Marks.

There shall be one seminar presentation during IV semester. For seminar, a student under the supervision of a faculty member, shall collect the literature on a topic and critically review the literature and submit it to the department in a report form and shall make an oral presentation before the Project Review Committee consisting of Head of the Department, Supervisor and two other senior faculty members of the department. For each Seminar there will be only internal evaluation of 50 marks. A candidate has to secure a minimum of 50% of marks to be declared successful.

A candidate shall be deemed to have secured the minimum academic requirement in a subject if she secures a minimum of 40% of marks in the end semester examination and a minimum aggregate of 50% of the total marks in the end semester examination and Internal Evaluation taken together.

In case the candidate does not secure the minimum academic requirement in any subject she has to reappear for the End semester Examination in that subject. A candidate shall be given one chance to re-register for each subject provided the internal marks secured by a candidate are less than 50% and has failed in the end examination. In such a case, the candidate must re-register for the subject(s) and secure the required minimum attendance. The candidate's attendance in the re-registered subject(s) shall be calculated separately to decide upon her eligibility for writing the end examination in those subject(s). In the event of the student taking another chance, her internal marks and end examination marks obtained in the previous attempt stand cancelled. For re-registration the candidates have to apply to the college by paying the requisite fees and get approval from the college before the start of the semester in which re-registration is required.

In case the candidate secures less than the required attendance in any re-registered subject (s), she shall not be permitted to write the End Examination in that subject. She shall again re-register the subject when next offered.

Laboratory examination for M. Tech. courses must be conducted with two Examiners, one of them being the laboratory class teacher or teacher of the department and the second examiner shall be appointed by the college from the panel of examiners submitted by the respective department.

R22MT.4. Evaluation of Project / Dissertation Work

Every candidate shall be required to submit a thesis or dissertation on a topic approved by the Project Review Committee.

A Project Review Committee (PRC) shall be constituted with Head of the Department and two other senior faculty members.

Registration of Project Work: A candidate is permitted to register for the project work after satisfying the attendance requirement of all the subjects, both theory and practical.

After satisfying, a candidate has to submit, in consultation with her project supervisor, the title, objective and plan of action of her project work for approval. The student can initiate the Project work, only after obtaining the approval from the Project Review Committee (PRC).

If a candidate wishes to change her supervisor or topic of the project, she can do so with the approval of the Project Review Committee (PRC). However, the Project Review Committee (PRC) shall examine whether or not the change of topic/supervisor leads to a major change of her initial plans of project proposal. If yes, her date of registration for the project work starts from the date of change of Supervisor or topic as the case may be.

A candidate shall submit her status report in two stages at least with a gap of 2 to 3 months between them.

The work on the project shall be initiated at the beginning of the II year and the duration of the project is two semesters. A candidate is permitted to submit Project Thesis only after successful completion of theory and practical course with the approval of PRC not earlier than 40 weeks from the date of registration of the project work. The candidate has to pass all the theory and practical subjects before submission of the Thesis.

Three copies of the project thesis certified by the supervisor shall be submitted to the College.

The thesis shall be adjudicated by one examiner selected by the College. For this, the head of the department shall submit a panel of 5 examiners, eminent in that field, with the help of the guide concerned.

If the report of the examiner is not favourable, the candidate shall revise and resubmit the thesis, in the time frame as decided by the PRC. If the report of the examiner is unfavourable again, the thesis shall be summarily rejected. The candidate has to re-register for the project and complete the project within the stipulated time after taking the approval from the College.

If the report of the examiner is favourable, Viva-Voce examination shall be conducted by a board consisting of the Supervisor, Head of the Department and the examiner who adjudicated the thesis. The Board shall jointly report the candidate's work as one of the following:

A. Excellent, B. Good, C. Satisfactory, D. Unsatisfactory

The Head of the Department shall co-ordinate and make arrangements for the conduct of VivaVoce examination.

If the report of the Viva-Voce is unsatisfactory, the candidate shall retake the Viva-Voce examination only after two to three months. If she fails to get a satisfactory report at the second Viva-Voce examination, the candidate has to re-register for the project and complete the project within the stipulated time after taking the approval from the College.

The Course Credits are generally decided based on the following guidelines.

- Lectures – 3 contact hours per week
- Laboratory – 3 hours per week
- Major project and comprehensive Viva-Voce and seminar

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

R22MT.5. Conditions for Pass and Award of credits for a course

A student shall be declared eligible for the award of M.Tech degree, if she pursues a course of study and completes it successfully for not less than two academic years and not more than four academic years.

A student, who fails to fulfill all the academic requirements for the award of the degree within four academic years from the year of their admission, shall forfeit her seat in M.Tech course.

The student has to pass the failed course by appearing the supplementary examination as per the requirement for the award of degree.

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

R22MT.6. Transitory Regulations

A candidate, who is detained or discontinued in the semester, on readmission shall be required to pass all the courses in the curriculum prescribed for such batch of students in which she joins subsequently. However, exemption will be given to those candidates who have already passed in such courses, in the earlier semester(s) as approved by Board of Studies and Academic Council.

A student shall be eligible for promotion to next Semester of M.Tech programme, if she satisfies the attendance requirements.

Candidates who have discontinued or have been detained for want of attendance or who have failed after having undergone the course are eligible for admission to the same or equivalent subjects as and when subjects are offered.

R22MT.7. Method of awarding Letter Grades and Grade Points for a course

The institute has changed student evaluation system from Percentages to Grading system.

A letter grade and grade points will be awarded to a student in each course based on her performance as per the grading system given below.

Theory/ Lab/Project	Grade Points	Letter Grade
≥ 90	10	O(Out Standing)
$\geq 80 < 90$	9	S (Excellent)
$\geq 70 < 80$	8	A (Very Good)
$\geq 60 < 70$	7	B (Good)
$\geq 50 < 60$	6	C (Satisfactory)
< 50	0	F (Fail)
----	0	AB(Absent)

R22MT.8. Consolidated Grade Card

A consolidated grade card containing credits & grades obtained by the candidates will be issued after completion of the two years M.Tech Programme.

R22MT.9. Supplementary Examinations

Supplementary examinations will be conducted along with regular semester end examinations. Semester end supplementary Examinations shall be conducted in Subjects of each semester once a year (i.e M.Tech -Sem I, M.Tech -Sem II, M.Tech - Sem III, M.Tech -Sem IV Examinations) under the present regulation.

Thereafter supplementary examinations will be conducted in the equivalent courses as Prescribed by concerned BOS.

R22MT.10. Revaluation

As per the notification issued by the Controller of Examination, the students can submit the applications for revaluation, along with the fee receipt for revaluation of her answer script(s) of theory course(s), if she is not satisfied with the Grade obtained.

The controller of Examination shall arrange for revaluation of those answer script(s). A new external examiner, other than the first examiner, shall re-evaluate the answer script(s) best of the two will be taken into consideration for awarding grade.

R22MT.11. Award of Division

The award of division for M.Tech programme for the candidates who were admitted into respective programmes in the year 2022-2023 and onwards as shown in the following table

CGPA	DIVISION
≥ 7.75	First Class with distinction
$\geq 6.75 - < 7.75$	First Class
$\geq 5.75 - < 6.75$	Second Class
$\geq 4.75 - < 5.75$	Pass Class

For the purpose of awarding First Class with Distinction, The student must get CGPA within 2 years in case of candidates admitted through PG CET & Management Quota.

Detained and break-in study candidates are not eligible for the award of First Class with Distinction.

For the purpose of awarding First, Second and Pass Class, CGPA obtained in the examinations appeared within the maximum period allowed for the completion of course shall be considered.

M.B.A Programme

R22MB.1. Title and Duration of the Programme

The course shall be called the P.G course in **Master of Business Administration**, abbreviated as **M.B.A.**

The course shall be of **two academic years** duration divided into **four semesters**, each semester having duration of minimum 16 weeks.

The calendar of events which includes MID Examinations, Internal Practical Examinations, External Practical Examinations and Semester End Examinations in respect of the course shall be fixed by the Institute from time to time.

The examination in all the subjects shall be conducted at the end of each semester for all the four semesters.

A student shall be declared eligible for the award of MBA degree, if she pursues a course of study and completes it successfully for not less than two academic years and not more than four academic years.

A Student, who fails to fulfill all the academic requirements for the award of the degree within Four academic years from the year of their admission, shall forfeit her seat in MBA course.

R22MB.2. Award of MBA Degree

A Student shall be declared eligible for the award of the MBA Degree, if she pursues a course of study in not less than two and not more than four academic years.

Each discipline of the MBA Programme is designed to have a total of 90 credits, and the student shall have to complete the courses and earn all credits as per the requirements for award of the degree.

The MBA Degree shall be conferred on a candidate who has satisfied the following requirement.

A Regular student (two year programme) should register herself for 90 Credits. A student has to secure all 90 credits eligible for the award of MBA Degree.

However, it is mandatory for the students to pass all the laboratory courses.

R22MB.3. Attendance Requirements

Each semester is considered as a unit and the candidate has to put in a minimum attendance of 75% with a provision of condonation of 10% of the

attendance by the Principal on the specific recommendation of the HOD, showing some reasonable cause such as medical grounds, participation in University level sports, cultural activities, seminars, workshops, paper presentation, etc.

Shortage of Attendance below 65% in aggregate shall not be condoned. Students, having shortage of attendance, shall have to pay requisite fee towards condonation. Students whose shortage of attendance is not condoned in any semester are not eligible to write their semester end examination of that class.

Rules for calculation of attendance for the re-admitted candidates who were detained for want of internal marks / attendance or who had break – in study for various reasons:

- a) No. of classes conducted will be counted from the day ONE of the semester concerned, irrespective of the date of payment of tuition fee.
- b) They should submit a written request to the Principal, along with a challan paid towards tuition & other fee, for re-admission before the commencement of class-work.
- c) Student should come to know about the date of commencement of class-work of the semester in to which she wishes to get re-admission. The information regarding date of commencement of class-work for each semester is available in the college notice boards/ website.

R22MB.4. Transitory Regulations

A candidate, who is detained or discontinued in the semester, on readmission shall be required to pass all the courses in the curriculum prescribed for such batch of students in which she joins subsequently. However, exemption will be given to those candidates who have already passed in such courses, in the earlier semester(s) as approved by Board of Studies and Academic Council.

A student shall be eligible for promotion to next Semester of MBA programme, if she satisfies the attendance requirements.

Candidates who have discontinued or have been detained for want of attendance or who have failed after having undergone the course are eligible for admission to the same or equivalent subjects as and when subjects are offered.

R22MB.5. Distribution and Weightage of Marks

The performance of a student in each semester shall be evaluated subject wise with a maximum of 100 marks for theory and 100 for lab marks. The project work shall be evaluated on the basis of Grades.

For theory subjects the distribution shall be 40 marks for Internal Evaluation and 60 marks for the Semester End Examinations.

For theory subjects, during the semester there shall be 2 tests. The weightage of internal marks for 40 consists of Descriptive – 20 and presentation -20 The subjective examination is for 120 minutes duration conducted for 20 marks. Each subjective type test question paper contains four questions and ALL questions need to be answered. The average of the Two tests will be taken for internal marks. As the syllabus is framed for 6 units, first five units' theory and sixth unit is case study. The First Mid examination is conducted in 1- 3 Units and Second Mid exam in 4 & 5 Units of each subject in the semester. The average of the 2 Mids will be taken for finalizing the internal marks.

The end semester examination is conducted in covering the topics of all units for 60 marks. Question paper contains Eight Questions out of which, one is case study, which is compulsory and of the balance seven, a student has to answer four. All questions carries 12 marks.

For lab courses there shall be continuous evaluation during the semester for 50 internal marks and 50 semester end examination marks. Of the 50 marks for internal, 30 marks shall be awarded as follows: Day to day work - 10 and Record - 20, and balance 20 marks are to be awarded by conducting an internal laboratory test. The end examination shall be conducted by the faculty concerned and external examiner.

The TALLY Lab will have 50 Internal Marks only. The course “Insights on Interviews and Presentations” will be under continuous evaluation during the semester for 50 internal marks. Marks will be awarded based on the classroom presentation and participation in various activities conducted as a part of the same. There shall be no external examination for these two courses.

For the Mini project, the student shall collect the information on a specialized topic given by the faculty and prepare a PPT showing her understanding over the topic, and submit to the faculty member. The Mini Project marks for 50 consist of Mini project report - 25 marks & presentation - 25 marks. There shall be no external examination for Mini project.

For Main Project each student should select a company/organization and has to complete this project on a specific topic from any of the specializations offered with the prior permission of her respective guide and the duration of this project would be 5 weeks.

The project carries grade structure which will be given by the external Examiner after the Viva-Voce. The grades are a. Excellent b. Good c. Satisfactory. d. Unsatisfactory.

Laboratory marks and the internal marks awarded by the College are final. The sample laboratory records shall be preserved in the respective departments and internal test papers shall be preserved in the college exam cell as per the University norms and shall be produced to the Committees of the University as and when they ask for.

The Course Credits are generally decided based on the following guidelines.

- Lectures (Theory Subjects) – 3 credits (4 contact hours per week)
- Lectures (Problematic Subjects) – 4 credits (4 contact hours + 1 Tutorial hour per week)
- Laboratory – 2 credits (4 hours per week)
- Laboratory – 1 credit (2 hours per week)
- Mini project 1 credit
- Major project shall have 5 credits

R22MB.6. Conditions for Pass and Award of credits for a course

A candidate shall be declared to have passed in individual theory/lab/project course if she secures a minimum of 50% aggregate marks (Internal & semester end examination marks put together), subject to minimum of 40% marks in semester end examination. For Labs 50% of the marks should be secured.

As far as the Project is concerned, evaluation is done based on the criteria of grades (Excellent, Good, Satisfactory and Unsatisfactory). If any student got the grade of 'Unsatisfactory', she has to submit the project once again after 3 months of the Viva Voce.

A Student, who fails to fulfill all the academic requirements for the award of the degree within four academic years from the year of their admission, shall forfeit her seat in MBA course.

The student has to pass the failed course by appearing the supplementary examination as per the requirement for the award of degree.

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

R22MB.7. Method of awarding Letter Grades and Grade Points for a course

The institute has changed student evaluation system from Percentages to Grading system.

A letter grade and grade points will be awarded to a student in each course based on her performance as per the grading system given below.

Percentage of Marks Range	Grade Points	Letter Grade	Letter Grade
≥ 90	10	O	Excellent
80-89	9	S	Very Good
70-79	8	A	Good
60-69	7	B	Fair
50-59	6	C	Satisfactory
<50	0	F	Fail
-	0	AB	Absent

R22MB.8. Calculation of Semester Grade Points Average (SGPA) for semester

The performance of each student at the end of the each semester is indicated in terms of SGPA. The SGPA is calculated as below:

$$*SGPA = \frac{\sum(CR \times GP)}{\sum CR} \text{ (for all courses passed in semester)}$$

Where CR = Credits of a course

GP= Grade points awarded for a course

* SGPA is calculated for the candidates who passed all the courses in that semester

R22MB.9. Calculation of Cumulative Grade Points Average (CGPA)

The CGPA is calculated as below:

$$CGPA = \frac{\sum(CR \times SGPA)}{\sum CR} \text{ (for entire programme)}$$

Where CR = Credits of a course

SGPA= Semester Grade Points Average for Semester

Equivalent Percentage for CGPA is = (CGPA - 0.75) x 10

R22MB.10. Consolidated Grade Card

A consolidated grade card containing credits & grades obtained by the candidates will be issued after completion of the two years MBA Programme.

R22MB.11. Revaluation

As per the notification issued by the Controller of Examination, the students can submit the applications for revaluation, along with the fee receipt for revaluation of her answer script(s) of theory course(s), if she is not satisfied with the Grade obtained.

The controller of Examination shall arrange for revaluation of those answer script(s).

For Revaluation a new external examiner, other than the first examiner, shall re-evaluate the answer script(s). If there is any change in marks (below 15% of the maximum External marks) the highest of the two marks will be considered and if there is any change in marks (Equal or above 15% of the maximum External marks), the script will be evaluated by the third valuator. The marks of all the three valutors are compared and the average of two nearer marks will be awarded to the student.

R22MB.12. Supplementary Examinations

Supplementary examinations will be conducted along with regular semester end examinations Semester end supplementary Examinations shall be conducted in subjects of each semester once a year (i.e MBA -Sem I, MBA -Sem II, MBA -Sem III, MBA -Sem IV, Examinations) under the present regulation.

Thereafter supplementary examinations will be conducted in the equivalent courses as prescribed by concerned BOS.

R22MB.13. Award of Division

The award of division for MBA programme for the candidates who were admitted into respective programmes in the year 2020-2021 and onwards as shown in the following table.

CGPA Secured	DIVISION
≥ 7.75 (Without any supplementary appearance)	First Class with distinction
≥ 7.75 (With any supplementary appearance) ≥ 6.75 to <7.75 (Without any supplementary appearance)	First Class
≥ 6.75 to <7.75 (With any supplementary appearance) ≥ 6.0 to <6.75 (Without any supplementary appearance)	Second Class
≥ 6.0 to <6.75 (With any supplementary appearance)	Pass Class

For the purpose of awarding First Class with Distinction, The student must get CGPA within 2 years in case of candidates admitted through ICET & Management Quota.

Detained and break-in study candidates are not eligible for the award of First Class with Distinction.

For the purpose of awarding First, Second and Pass Class, CGPA obtained in the examinations appeared within the maximum period allowed for the completion of course shall be considered.

MALPRACTICES

R23.01. Malpractices

The Principal shall refer the cases of malpractices in internal assessment tests and Semester End Examinations, to a Malpractice Enquiry Committee, constituted by him/her for the purpose. The Principal will take necessary action, against the erring students basing on the recommendations of the committee.

The physically challenged candidates who have availed additional examination time and a scribe during their Degree/ICET examinations will be given similar concessions on production of relevant proof/documents.

The students who are suffering from contagious diseases are not allowed to appear either internal or semester end examinations.

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

EXAMINATION PROCESS

R23.02. Examination Process

The mid semester/semester end examination notification along with the time table will be issued and uploaded on the Institute examination website www.svecwexams.in by following the schedule of the academic calendar. Day wise / room wise/ year of study wise seating arrangement is prepared for all the subjects. Required number of faculty for invigilation is drawn from the departments.

The pre-examination works like preparation of final data base of the candidates who are eligible to appear for the semester end exams, sending the data for preparation of pre-printed barcoded OMR answer booklets, preparation of nominal rolls, Hall tickets, room wise seating plans and invigilation duties and D-forms during the examination time are taken care with the help of the examination management system software.

The question paper for the end semester exam (6 sets for Regular exams and 4 sets for Supplementary exams) will be set by three independent external faculty members who taught the subject for at least three years drawn from the list of paper setters approved by the Controller of Examinations. The question paper is drawn at random from the 6 sets one hour before the examination schedule and is moderated by a senior internal teacher for the required standard and coverage of the syllabus.

The end semester answer scripts are evaluated in a spot valuation organized in the institute or some times in a reputed institute outside by taking the approval of the Chief Superintendent (Principal).

The mid semester marks and the end semester marks are integrated for the final results processing and also for the printing of grade sheets.

Strict adherence to the Institute academic calendar and timely publication of results.

Examination Management System (EMS) services are available to integrate all the activities in the examination branch. The pre and post examination activities are integrated, starting with examination notification, generation of time tables, list of eligible students to generate hall tickets based on the attendance and generation of data base for the pre-printed OMR answer booklets. The internal continuous assessment marks are also uploaded in the data base of EMS and will be integrated with end semester marks at the time of results processing.

The Institute is using the OMR technology for the printing of pre-printed bar coded answer booklets, scanning the OMR marks slips and processing the results and printing the reports and certificates.

Payment gateway is also available for the payment of various examination fees offline by the students to make the registrations online from (2022-2023 onwards).

Automation of examination process helps in the successful execution of examination processes such as monitoring of examination fee payment, examination schedule, bar coding of answer booklets, marks data entry, preparation of programme wise results and grade certificates.

All the examinations are conducted under the supervision of Examination Section headed by the Controller of Examinations and the results are declared after the approval of the concerned Examination committee/Results committee of the college.

The Examination branch has brought the following reforms since UGC gave an Autonomous status in the year 2014.

- Strict adherence to Institute Academic calendar.
- Grading System is being implemented in the evaluation and assessment of students in place of percentage of marks.
- OMR based Answer script was introduced for ensuring strict confidentiality by avoiding manual coding in the Examination and evaluation system.
- **Establishment of CCTV Surveillance System.**
- Squads are appointed to maintain strict & flawless system during conduct of Examinations.
- Automation of examination processes helped in the successful execution of examination processes such as monitoring of examination fee payment, examination schedule, data for preparing OMR Booklets, marks data entry, preparation of programme wise results and grade certificates.
- Systematic evaluation process supported by Examination management system (EMS) allows timely publication of results.
- Quick publication of results and issuing necessary certificates on time there by helping the students to secure admission for higher studies and to join the organizations in which they are placed.
- Online publication of results.
- Parents can access the performance of their ward through Examination portal.
- Security features are embedded in the certificates to avoid tampering.

S.No	Reform(s)	Positive impact(s)
1	6 sets of question papers are maintained for each subject / course	Confidentiality in the question paper selection
2	Setting the question papers from all the units and moderation of question papers.	Maintain standards and coverage of syllabus among all the units
3	Preparation of detailed scheme of evaluation by internal subject / course experts	<ol style="list-style-type: none"> 1. Uniformity in the evaluation among the evaluators. 2. Fair judgment for the students.
4	Appointment of squad consisting of senior faculty members of internal faculty to monitor the semester end examinations	Strict vigilance for smooth conduct of examinations
5	Establishment of Spot evaluation centre	<ol style="list-style-type: none"> 1. Confidentiality and custody of answer booklets are ensured 2. Declaration of results within the stipulated time.
6	Establishment of CCTV Surveillance System	<ol style="list-style-type: none"> 1. Continuous monitoring of activities of examination section and spot evaluation process 2. Restricted entry and surveillance of the entry of un-authorized persons into the examination section 3. CCTVs in the vicinity of the examination rooms to curb untoward incidents of malpractice
7	Encoding and decoding of answer booklets	Provides confidentiality and unbiased evaluation.
8	Automation of examination management system	<ol style="list-style-type: none"> 1. Improvement in reliability, efficiency, security, transparency, confidentiality and accuracy in the entire process. 2. Software developed by the institute provides flexibility to incorporate autonomous curriculum requirements.
9	Revaluation system	Accountability of the evaluation process and improving the transparency in the evaluation
10	Supplementary examinations and timely publication of results & issuing necessary certificates in time.	Provides more scope to final year students for their placements and higher studies.
11	Inclusion of security features in grade sheets as well as in answer booklets.	Chances of manipulations are nullified.