

# Academic Regulations-2019 for MCA Programme

Applicable for students admitted from 2019-20 academic year onwards  
(UNDER CHOICE BASED CREDIT SYSTEM EFFECTIVE FROM 2019-20 ADMITTED BATCH)



## **GAYATRI VIDYA PARISHAD COLLEGE OF ENGINEERING (A)**

**Affiliated to JNTU Kakinada, Kakinada  
2019**

These Regulations shall be called the “Gayatri Vidya Parishad College of Engineering (Autonomous) Regulations- 2019 for the Award of MCA Degree”.

These regulations shall be applicable for students enrolling for MCA Degree programs at the Institute from Academic Year 2019-20.

The admission of students shall be as per Govt. of Andhra Pradesh rules. The medium of instruction for course work and examinations at the Institute shall be English.

### 1. ELIGIBILITY FOR ADMISSION:

Admission to the above program shall be made subject to the eligibility, qualifications and specialization as per the guidelines prescribed by the AICTE from time to time. Admission shall be made on the basis of merit rank obtained by the qualifying candidate at ICET examination or an Entrance Test conducted by the university subject to reservations prescribed by the University from time to time.

### 2. AWARD OF MCA DEGREE:

A student shall be declared eligible for the award of the MCA degree, if he pursues a course of study and completes it successfully for not less than three academic years and not more than six academic years from the year of admission, otherwise, the student shall forfeit the seat in MCA Programme.

### 3. STRUCTURE OF THE PROGRAMME:

Semester	No. of courses		Credits
I	5 THEORY + 2 LAB	$1*4 + 4*3 + 2*1.5$	19
II	5 THEORY + 2 LAB	$1*4 + 4*3 + 2*1.5$	19
III	5 THEORY + 2 LAB + SBLE-I	$1*4 + 4*3 + 2*1.5 + 1$	20
IV	3 THEORY + PE-I+PE-II + 2 LAB + SBLE-II	$1*4 + 2*3 + 3 + 3 + 2*1.5 + 1$	20
V	3 THEORY + PE-III+PE-IV + 2 LAB + SBLE-III	$1*4 + 2*3 + 3 + 3 + 2*1.5 + 1$	20
VI	SEMINAR	2	12
	PROJECT WORK	10	
<b>TOTAL</b>			<b>110</b>

PE-Professional Elective, SBLE-Skill Based Lab Elective

1 Credit for 1 lecture period per week and 1 credit for 1 tutorial period per week.

1 Credit for 2 laboratory periods per week.

#### **4. REGISTRATION:**

A student shall register for courses in each semester according to the choice provided and subjects offered by the concerned department.

#### **5. ATTENDANCE REQUIREMENTS:**

It is desirable for a student to put up 100% attendance in the class in all the courses. However, a student shall be permitted to appear for the end semester examinations, provided he/she puts up a minimum average attendance of 75% from all the courses registered in the semester. However, condonation for shortage of attendance between 65-74% may be given on Medical grounds, if a certificate to the extent is submitted to the HOD when the student first returns to the classes. The student concerned will be permitted to take the end semester examination, on payment of condonation fee. Attendance may also be condoned as per the State Government rules for those who participate in prestigious sports, co-curricular and extra-curricular activities provided their attendance is in the minimum prescribed limits for the purpose and as recommended by the authorities concerned.

Attendance against each course will be indicated in the marks memo by a letter grade as follows:

Attendance	Grade
90% and above	<b>A</b>
75% to 89%	<b>B</b>
65% to 74%	<b>C</b>
below 65%	<b>D</b>

A student who gets less than 65% attendance on an average from all the courses in any semester shall not be permitted to take the end semester examination and his/her registration for that semester stands cancelled. The student shall re-register for that entire semester when offered next and then continue the course of study from that semester onwards.

#### **6. METHOD OF EVALUATION:**

The performance of a student in each semester shall be evaluated subject-wise with a maximum of 100 marks for each theory, practical and Project work.

**6.1 Theory:** The assessment shall be for 40 marks through Continuous Internal evaluation and 60 marks through end semester examination of three hours duration.

**Continuous Internal evaluation:** One part of the internal evaluation shall be made based on the average of the marks secured in the two internal examinations of 30 marks each conducted one in the middle of the Semester and the other at the end of the semester. Each mid-term examination shall be conducted for duration of 90 minutes. The remaining 10 marks are

awarded through an average of continuous evaluation of assignments / seminars / any other method, as notified by the teacher at the beginning of the semester.

**6.2 End-semester examination:** An end semester examination shall be conducted for 60 marks. For 80% of the theory courses, the question paper shall be set externally and valued both internally and externally. A chief examiner appointed for each course shall monitor the valuation process. If the difference between the first and second valuations is less than or equal to 9 marks, the better of the two valuations shall be awarded. If the difference between the first and second valuation is more than 9 marks, the chief examiner shall value the script. The marks given by the chief examiner shall be final. For the remaining 20% of the theory courses (as approved by the Chairman, Academic Council), the end semester evaluation shall be totally internal with double valuation.

**6.3 Laboratory:** All Laboratory courses shall be evaluated for 100 marks, out of which for 40 marks through continuous internal evaluation and for 60 marks through external end semester examination. The 40 internal marks are distributed in two cycles as 20 marks for day-to-day work and 20 marks for internal examination. The internal examination shall be conducted by the teacher concerned and another faculty member once for each cycle of instruction period and average of the two shall be considered for award of marks. 10 out of 12 to 16 experiments/exercises shall be completed in a semester.

**6.4 Skill Based Lab Electives:** Skill Based Lab Electives shall be conducted from III semester on thrust areas each for a period of 24 hours. For all Skill Based Lab Electives, the examination shall be totally internal and carried out for 100 marks at the end of the course.

**6.5 Seminar:** There shall be a seminar presentation in VI semester. For seminar, there will be only internal evaluation for 100 marks. The assessment will be made by a Board consisting of Head of the Department and two other internal staff members of the department.

**6.6 Supplementary examinations:** Supplementary examinations for the odd semester shall be conducted with the regular examinations of even semester and vice versa.

**6.7 Re-registration for failed courses:** A candidate shall be given one chance to re-register for a maximum of three failed courses(s), where in the internal marks secured by a candidate are less than 50%. The re-registration is permitted only after completion of V semester as and when the subject(s) are offered. In the event of re-registering, the internal marks and end semester examination marks obtained in the previous attempt are nullified.

## **7. EVALUATION OF PROJECT WORK:**

- a. A Departmental Project Review Committee (DPRC) shall be constituted with the Head of the Department as the Chairman and two senior faculty as Members to oversee the proceedings of the project work from allotment of project topic to submission of the thesis.
- b. A Project Review Committee (PRC) shall be constituted with a Professor as Chair Person, Heads of the Departments that are offering the M.Tech. / MCA programs and two other senior faculty members.
- c. Registration of Project Work: A candidate is permitted to register for the project work in the beginning of the VI Semester, only after satisfying the attendance requirement of all the courses up to V semester. The duration of the project is for one semester.
- d. After satisfying 7c, a candidate has to submit, in consultation with his project supervisor, the title, objective and plan of action of his project work to the DPRC for its approval. Only after obtaining the approval of DPRC the student can initiate the Project work.
- e. If a candidate wishes to change his supervisor or topic of the project he can do so with the approval of the DPRC. If so, his date of registration for the project work shall start from the date of change of Supervisor or topic as the case may be whichever is earlier.
- f. Candidate shall submit and present the status report during two DPRC reviews after satisfying 7d. The two reviews/evaluation shall carry 20 and 30 marks, respectively. During each review, the DPRC has to approve the status report, for the candidate to proceed with the next stage of work.
- g. A candidate shall be permitted to submit his dissertation only after acquiring credits of all theory and practical courses with the approval of PRC but not earlier than 16 weeks from the date of registration of the project work. For the approval by PRC, the candidate shall submit a draft copy of the dissertation to the Principal through the Head of the Department and shall make an oral presentation before the PRC.
- h. Three copies of the dissertation certified by the Supervisor shall be submitted to the College after approval by the PRC.
- i. For the purpose of adjudication of the dissertation, an external examiner shall be selected by the Principal from a panel of 5 examiners who are experienced in that field proposed by the Head of the Department in consultation with the supervisor.
- j. The final evaluation, i.e., viva-voce examination, for 50 marks, shall be conducted by a board consisting of the supervisor, Head of the Department and the external examiner.
- k. A student is deemed to be passed, if he secures at least 25 marks in the final evaluation and 50 marks from both internal and final evaluation put together. If a student fails in project, he/she shall revise and resubmit the dissertation, in a time frame prescribed by the PRC. If the student fails once again, the dissertation shall be summarily rejected and the candidate shall change the topic and go through the entire process afresh.

## 8. ACADEMIC REQUIREMENTS:

- For all the courses (both theory and laboratory), a student is deemed to be passed if he secures at least 24 marks (40%) in the end semester examination and 50 marks (50%) from both internal and end semester examination put together.
- For Seminar / SBLEs having examination/evaluation at the end, a student is deemed to be passed if he secures at least 50 marks.
- For project work, the student shall PASS.

## 9. PROMOTION CRITERIA:

A student shall be promoted from IV to V semester, if he/she registered at least **78** credits and secure a **pass grade in at least 54 credits** at the end of IV semester, from I, II, III semester regular and supplementary examinations and regular examinations of IV semester.

## 10. GRADING SYSTEM:

Absolute grading system shall be followed for the award of grades.

**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 O, A+, A, B+, B, and F.

Based on the marks secured, a Letter Grade is awarded as per the following:

### Grades and Grade Points

Marks Range	Letter Grade	Grade Point
90-100	O (Outstanding)	10
80-89	A+ (Excellent)	9
70-79	A (Very Good)	8
60-69	B+ (Good)	7
*50-59	B (Fair)	6
-	F (Fail)	0
-	Ab (Absent)	0

\* Pass mark

The award of CLASS / DIVISION is as per the following:

First class with distinction	CGPA $\geq$ 7.75
First class	6.75 CGPA $<$ 7.75
Second class	6.00 CGPA $<$ 6.75

### CGPA to Percentage of Marks Conversion:

At the end of the Programme, Equivalent percentage of marks = **(CGPA-0.75)\*10**

### **10.1 Computation of Semester Grade Point Average (SGPA) and Cumulative Grade Point Average (CGPA):**

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

$$\text{SGPA } (S_i) = (C_i \times G_i) / C_i$$

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

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

$$\text{CGPA} = (C_i \times S_i) / C_i$$

where  $S_i$  is the SGPA of the  $i^{\text{th}}$  semester and  $C_i$  is the total number of credits in that semester. The SGPA and CGPA shall be rounded off to 2 decimal points and reported in the transcripts.

Transcript for each semester shall be issued containing letter grades and grade points along with attendance grade, for each of the courses registered, SGPA of that semester and CGPA up to that semester. Marks will not be displayed on the transcript.

A consolidated transcript indicating the performance in all semesters shall also be issued.

**10.2 Minimum Academic Requirements:** A student shall secure a PASS in all courses and earn 110 credits to be eligible for the award of the MCA degree.

## **11. WITHHOLDING OF RESULTS:**

If the candidate has not paid any dues to the college or if any case of indiscipline is pending against him, the result of the candidate shall be withheld and he will not be allowed into the next higher semester. The recommendation for the issue of the degree shall be liable to be withheld in all such cases.

### **General:**

- i. Where the words “he”, “him”, “his”, occur, they imply “she”, “her”, “hers”, also.
- ii. The academic regulation should be read as a whole for the purpose of any interpretation.
- iii. In the case of any doubt or ambiguity in the interpretation of the above rules, the decision of the Chairman, Academic Council is final.
- iv. The college may change or amend the academic regulations or syllabi from time to time and the changes or amendments made shall be applicable to all the students with effect from the dates notified by the college.

## **TRANSITORY REGULATIONS FOR RE-ADMITTED STUDENTS**

1. The student has to continue the course work along with the regular students of the respective semester in which the student gets re-admission.
2. The student has to register for Substitute subjects offered in place of subjects already studied earlier and other Compulsory Subjects as specified by respective BoS, if any.
3. The mode of internal evaluation and end-semester examinations shall be on par with the regular students, i.e., the student has to follow the then mode of internal evaluation and the then question paper model for the end-semester examinations along with the regular students of the respective semester in which the student gets re-admission. The marks secured in the internal and end-semester examinations will be pro-rated in accordance with the regulations under which the student was first admitted.
4. For the subject(s) failed in earlier semesters (before re-admission), the student has to acquire credits from the supplementary examinations as and when conducted. The question paper model shall remain same as the one in which the student first appeared for examination in that subject(s).
5. All other academic requirements shall be in accordance with the regulations under which the student was first admitted.
6. The decision of the Principal is final on any other clarification in this regard.
7. In case of transferred students from other University / College, an equivalent course structure shall be prepared by the BoS of respective department considering the suitable credits already acquired at the previous institution.

### **General:**

- i. Where the words “he”, “him”, “his”, occur, they imply “she”, “her”, “hers”, also.
- ii. The academic regulation should be read as a whole for the purpose of any interpretation.
- iii. In the case of any doubt or ambiguity in the interpretation of the above rules, the decision of the Chairman, Academic Council is final.
- iv. The college may change or amend the academic regulations or syllabi from time to time and the changes or amendments made shall be applicable to all the students with effect from the dates notified by the college.



**ACADEMIC REGULATIONS FOR MCA LATERAL ENTRY (MCL) PROGRAMME**  
**UNDER CHOICE BASED CREDIT SYSTEM**  
**FROM 2019-20 ADMITTED BATCH**

**L1 Structure of the Programme:**

Semester	No. of courses		Credits
III	5 THEORY + 2 LAB + SBLE-I	$1*4 + 4*3 + 2*1.5 + 1$	20
IV	3 THEORY + PE-I+PE-II + 2 LAB + SBLE-II	$1*4 + 2*3 + 3 + 3 + 2*1.5 + 1$	20
V	3 THEORY + PE-III+PE-IV + 2 LAB + SBLE-III	$1*4 + 2*3 + 3 + 3 + 2*1.5 + 1$	20
VI	SEMINAR	2	12
	PROJECT WORK	10	
<b>TOTAL</b>			<b>72</b>

PE-Professional Elective, SBLE-Skill Based Lab Elective

**L2 Minimum Academic Requirements:**

A student shall secure a **PASS** in all courses and earn 72 credits to be eligible for the award of the MCA degree.

**L3 Maximum allowable period of study:**

A student, admitted through Lateral Entry, shall be declared eligible for the award of the MCA degree, if he/she pursues a course of study and completes it successfully for not less than two academic years and not more than four academic years otherwise the student shall forfeit his/her seat in MCA Programme.

**L4** All other regulations shall be followed same as that of the regular students admitted into I semester of MCA programme, except promotion criteria based on credits, wherein the students admitted under lateral entry get promoted from IV to V semester without any credit requirements.

**L5 General:**

- i. Where the words 'he', 'him', 'his', occur, they imply 'she', 'her', 'hers', also.
- ii. The academic regulation should be read as a whole for the purpose of any interpretation.
- iii. In the case of any doubt or ambiguity in the interpretation of the above rules, the decision of the Chairman, Academic Council is final.
- iv. The college may change or amend the academic regulations or syllabi from time to time and the changes or amendments made shall be applicable to all the students with effect from the dates notified by the college.

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