

# **PROGRAMME PROJECT REPORT (PPR)**

**MASTER OF SCIENCE**

**IN**

**Mathematics**

**(M. Sc. Mathematics)**



**MATS Centre for Distance and Online Education (MCDOE)**

**MATS University, Raipur, Chhattisgarh**

by the Board of Studies of concerned subject.

3. Continuous Internal assessment shall be carried forward in case of ATKT students, there shall not be any provision of conducting internal assessment tests for ATKT students at any circumstances.
4. Evaluation and Certification of MOOCS and Vocational Courses: The guidelines of the University/SWAYAM portal/UGC shall be followed for evaluation and certification of MOOCs, Vocational Courses, Field Projects/ Internship/ Apprenticeship/ Community engagement and service/ Honours with Research Project.

### Letter Grades and Grades Point:

The Semester Grade Point Average (SGPA) is computed from the grades as a measure of the student's performance in a given semester. The SGPA is based on the grades of the current term, while the Cumulative GPA (CGPA) is based on the grades in all courses taken after joining the programme of study.

The University may also mention marks obtained in each course and a weighted average of marks based on marks obtained in all the semesters taken together for the benefit of students.

### Grading System

| Letter Grade | Grade Points | Description   | Range of Marks (%) |
|--------------|--------------|---------------|--------------------|
| O            | 10           | Outstanding   | >90 to <=100       |
| A+           | 9            | Excellent     | >80 to <=90        |
| A            | 8            | Very Good     | >70 to <=80        |
| B+           | 7            | Good          | >60 to <=70        |
| B            | 6            | Above Average | >50 to <=60        |
| C            | 5            | Average       | >40 to <=50        |
| P            | 4            | Pass          | =40                |
| F            | 0            | Fail          | <40                |
| Ab           | 0            | Absent        | Absent             |

### Computation of SGPA and CGPA:

UGC recommends the following procedure to compute the Semester Grade Point Average (SGPA) and Cumulative Grade Point Average (CGPA):

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

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$$SGPA (S_i) = \sum (C_i \times G_i) / \sum C_i$$

Where  $C_i$  is the number of credits of the  $i$ th course and  $G_i$  is the grade point scored by the learner in the  $i$ th course.

#### Example of Computation of SGPA

| Semester | Course   | Credit | Letter Grade | Grade point | (Credit x Grade) |
|----------|----------|--------|--------------|-------------|------------------|
| 1        | Course 1 | 3      | A            | 8           | 3 x 8 = 24       |
| 1        | Course 1 | 4      | B +          | 7           | 4 x 7 = 28       |
| 1        | Course 1 | 3      | B            | 6           | 3 x 6 = 18       |
| 1        | Course 1 | 3      | O            | 10          | 3 x 10 = 30      |
| 1        | Course 1 | 3      | C            | 5           | 3 x 5 = 15       |
| 1        | Course 1 | 4      | B            | 6           | 4 x 6 = 24       |
|          |          | 20     |              |             | 139              |
| SGPA     |          |        |              |             | 139/20=6.95      |

- II. The Cumulative Grade Point Average (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.

$$CGPA = \sum (C_i \times S_i) / \sum C_i$$

where  $S_i$  is the SGPA of the  $i$ th semester and  $C_i$  is the total number of credits in that semester.

#### Example of Computation of CGPA

| Semester 1   | Semester 2            | Semester 3            | Semester 4            |
|--|-----------------------|-----------------------|-----------------------|
| Credit 20<br>SGPA 6.9                                      | Credit 20<br>SGPA 7.8 | Credit 20<br>SGPA 5.6 | Credit 20<br>SGPA 6.0 |
| CGPA= (20 x 6.9 + 20 x 7.8 + 20 x 5.6 + 20 x 6.0)/80 = 6.6 |                       |                       |                       |

The SGPA and CGPA shall be rounded off to 2 decimal points and reported in the transcripts. On completing all requirements for the award of the undergraduate certificate/ diploma/ degree, the CGPA shall be calculated, and this value shall be indicated on the certificate /diploma/degree. The 3-years (6 semester) and 4-years (8 semester) undergraduate degrees should also indicate the Division obtained as per following Table:

| Division                        | Criterion  |
|---------------------------------|--|
| First division with distinction | The candidate has earned minimum number of credits for the award of the degree with CGPA of 7.5 or above |



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| First division  | The candidate has earned minimum number of credits required for the award of the degree with CGPA of 6.0 above but less than 7.5     |
| Second division | The candidate has earned minimum number of credits required for the award of the degree with CGPA of 4.5 or above but less than 6.0  |
| Third Division  | The candidate has earned minimum number of credits required for the award of the degree with CGPA of 4.00 or above but less than 4.5 |

- **Note:** The conversion of CGPA into percentage shall be as followed to facilitate its application in other academic matters.

Equivalent Percentage =  $CGPA \times 10$ . The percentage shall be rounded off up to the second decimal point.

The candidate shall be awarded a certificate/diploma/degree when he/she successfully earns the minimum required credits for the certificate/diploma/degree.

- **Issue of Transcript:**

Based on the recommendations on Letter grades, grade points and SGPA and CGPA, the university shall issue the transcript for each semester and a consolidated transcript indicating the performance in all semesters.

- **Credit Transfer:**

1. The credit transfer shall be implemented as per the policy of the University framed in accordance with the guidelines issued by the UGC from time to time.
2. The member institutions of the Academic Bank of Credit established vide University Grants Commission (Establishment and Operation of Academic Bank of Credits in Higher Education) Regulations 2021 shall accept and transfer the credits as per the provisions of this regulation as amended from time to time.
3. Except for the cases of provisional promotions, the university shall facilitate credit transfer of students between them however, the student may be required to fulfil some eligibility criteria, drawing parity for a course, framed by the University in which the student seeks admission.
- 4.

## Requirement of the Laboratory Support and Library Resource:

In open and distance learning M.Sc. Mathematics programme, laboratory support will

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