

Geethanjali College of Pharmacy

APPROVED BY AICTE, PCI NEW DELHI, PERMANENTLY AFFILIATED TO JNTUH
ACCREDITED BY NAAC A+ GRADE, NBA (B.PHARMACY), NIRF,
RECOGNISED UNDER UGC SECTION 2(f) & 12(B) of UGC Act, 1956, DSIR-SIRO
HI/BI OF MSME, ISO 9001:2015 CERTIFIED, AMC of PvPI.
CHEERYAL (V), KEESARA (M), MEDCHAL DIST, TS- 501301.

CO-PO ATTAINMENT REPORT

**Table 1: CO-PO CORRELATION MATRIX OF ALL COURSES
M.PHARMACY (PHARMACEUTICS)
REGULATION R20 / BATCH (2020-2022)**

| PROGRAMME: M.PHARM (PHARMACEUTICS) | | | | | | | | | | | | | | |
|------------------------------------|----------------------|--|-----------------------|-------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------|--------------|
| S.N O | Ye ar/ Se m | Course Name | Cour se Code | CO-PO Correlation value | | | | | | | | | | |
| | | | | P O 1 | P O 2 | P O 3 | P O 4 | P O 5 | P O 6 | P O 7 | P O 8 | P O 9 | P O 10 | P O 11 |
| 1 | I/I | Modern Pharmaceutics (Th) | M.PT/ R19 C111 | 3 | 1 | 3 | 3 | 1 | 3 | 3 | 1 | 3 | 3 | 3 |
| 2 | I/I | Advanced Bio Pharmaceutics and Pharmacokinetics (Th) | M.PT/ R19 C112 | 3 | 2 | 3 | 3 | 2 | 3 | 3 | 2 | 3 | 3 | 3 |
| 3 | I/I | Drug Regulatory Affairs(Th) | M.PT/ R19 C114 | 3 | 1 | 3 | 3 | 1 | 3 | 3 | 1 | 3 | 3 | 3 |
| 4 | I/I | Research Methodology & IPR(Th) | M.PT/ R19 C115 | 2.8 | 1.8 | 3 | 2.6 | 2.8 | 2.8 | 2.8 | 2.8 | 3 | 3 | 3 |
| 5 | I/I | Stability of Drugs and Dosage Forms (Th) | M.PT/ R19 C119 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 6 | I/I | Modern Pharmaceutics (Lab) | M.PT/ R19 C1110 | 3 | 1 | 3 | 3 | 1 | 3 | 3 | 1 | 3 | 3 | 3 |
| 7 | I/I | Advanced Bio Pharmaceutics and Pharmacokinetics (Lab) | M.PT/ R19 C1111 | 2.8 | 2 | 3 | 2.4 | 2 | 2.8 | 2.8 | 2 | 3 | 2 | 3 |
| 8 | I/I | Value Education (Th) | M.PT/ R19 C1115 | 2.8 | 2 | 2.4 | 2.4 | 2 | 2.8 | 2.8 | 2 | 2.4 | 2.4 | 3 |
| | I/I | Modern Pharmaceutics-II (Th) | M.PT/ R19 C121 | 2.8 | 2 | 3 | 2.4 | 2 | 2.8 | 2.8 | 2 | 3 | 2.4 | 3 |



| | | | | | | | | | | | | | | |
|----------------------------------|------|---------------------------------------|-----------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| 10 | I/II | Advanced drug delivery systems (Th) | M.PT/R19 C122 | 2.8 | 1.8 | 3 | 2.6 | 2.8 | 2.8 | 2.8 | 2.8 | 3 | 3 | 3 |
| 11 | I/II | Industrial Pharmacy (Th) | M.PT/R19 C123 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 12 | I/II | Nano Based Drug Delivery Systems(Th) | M.PT/R19 C128 | 3 | 3 | 3 | 3 | 2 | 3 | 3 | 2 | 3 | 3 | 3 |
| 13 | I/II | Modern Pharmaceutics-II (Lab) | M.PT/R19 C129 | 2.6 | 2 | 3 | 3 | 2 | 2.6 | 2.6 | 2 | 3 | 3 | 3 |
| 14 | I/II | Advanced drug delivery systems (Lab) | M.PT/R19 C1210 | 2.8 | 1.8 | 3 | 2.6 | 2.8 | 2.8 | 2.8 | 2.8 | 3 | 3 | 3 |
| 15 | II/I | Scale up and Technology Transfer (Th) | M.PT/R19 C212 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 16 | II/I | Audit Regulatory Compliances (Th) | M.PT/R19 C218 | 3 | 1 | 3 | 3 | 1 | 3 | 3 | 1 | 3 | 3 | 3 |
| 17 | II/I | Project | M.PT /R19. C222 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| Average CO-PO Correlation | | | | 2.9 | 2.0 | 3.0 | 2.8 | 2.1 | 2.9 | 2.9 | 2.1 | 3.0 | 2.9 | 3.0 |



[Signature]
HOD/ PROGRAMME COORDINATOR

(Dept of Pharmaceutics)

HEAD

Department of Pharmaceutics
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Cheeryal(V), Keesara (M), Medchal (Dt)-501301. T.S.

[Signature]
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Table:2 CONSOLIDATED CO-ATTAINMENT REPORT M.PHARMACY (PHARMACEUTICS) REGULATION R19 / BATCH (2020-2022)

Note: 80% weightage to University examination and 20% weightage to Internal exams the attainment calculations will be (80% of University level) + (20% of Internal level).

CO Attainment based on internal exam (CI)

CO Attainment based on University exam (CU)

| % students \geq bench mark (50%) | Attainment level |
|------------------------------------|------------------|
| 60 | 1 |
| 70 | 2 |
| 80 | 3 |

| % students \geq bench mark (40%) | Attainment level |
|------------------------------------|------------------|
| 60 | 1 |
| 70 | 2 |
| 80 | 3 |

BATCH (2020-2022) REGULATION R19

Program: M. Pharmacy/ First Year/ I Semester

1. Modern Pharmaceutics-I (Theory)

| Course code | Course name | Course outcomes | CO attainment from Internal exam assessment | | | CO attainment from University examination | | | CO Attainment (Internal + University exam) A + B |
|-----------------------|------------------------|-----------------|---|-------------------------|---|---|-------------------------|---|---|
| | | | CO Attainment (%) | CO Attainment level (a) | A - Internal Exam attainment level (0.20*a) | CO Attainment (%) | CO Attainment level (b) | B - University Examinations attainment level (0.80*b) | |
| M.PT/ R19. C111 | Modern Pharmaceutics I | CO1 | 86.4 | 3 | 0.6 | 100 | 3 | 2.4 | 3 |
| | | CO2 | 88.2 | 3 | 0.6 | 100 | 3 | 2.4 | 3 |
| | | CO3 | 89.1 | 3 | 0.6 | 100 | 3 | 2.4 | 3 |
| | | CO4 | 81.3 | 3 | 0.6 | 100 | 3 | 2.4 | 3 |
| | | CO5 | 80 | 3 | 0.6 | 100 | 3 | 2.4 | 3 |
| Overall CO attainment | | | 85 | 3 | 0.6 | 100 | 3 | 2.4 | 3 |



2. Advanced Bio Pharmaceutics and Pharmacokinetics (Theory)

| Course code | Course name | Course outcomes | CO attainment from Internal exam assessment | | | CO attainment from University examination | | | CO Attainment (Internal+ University exam) A + B |
|-----------------------|-------------|-----------------|---|-------------------------|---|---|-------------------------|---|---|
| | | | CO Attainment (%) | CO Attainment level (a) | A - Internal Exam attainment level (0.20*a) | CO Attainment (%) | CO Attainment level (b) | B - University Examinations attainment level (0.80*b) | |
| M.PT / R19. C112 | ABPPK | CO1 | 100 | 3 | 0.6 | 66.66 | 1 | 0.8 | 1.4 |
| | | CO2 | 100 | 3 | 0.6 | 66.66 | 1 | 0.8 | 1.4 |
| | | CO3 | 0 | 0 | 0 | 66.66 | 1 | 0.8 | 0.8 |
| | | CO4 | 100 | 3 | 0.6 | 66.66 | 1 | 0.8 | 1.4 |
| | | CO5 | 100 | 3 | 0.6 | 66.66 | 1 | 0.8 | 1.4 |
| Overall CO attainment | | | 80 | 2.4 | 0.48 | 66.66 | 1 | 0.8 | 1.28 |

3. Drug Regulatory Affairs (Theory)

| Course code | Course name | Course outcomes | CO attainment from Internal exam assessment | | | CO attainment from University examination | | | CO Attainment (Internal + University exam) A + B |
|-----------------------|-------------------------|-----------------|---|-------------------------|---|---|-------------------------|---|--|
| | | | CO Attainment (%) | CO Attainment level (a) | A - Internal Exam attainment level (0.20*a) | CO Attainment (%) | CO Attainment level (b) | B - University Examinations attainment level (0.80*b) | |
| M.P T/ R19. C114 | Drug Regulatory Affairs | CO1 | 100 | 3 | 0.6 | 100 | 3 | 2.4 | 3 |
| | | CO2 | 100 | 3 | 0.6 | 100 | 3 | 2.4 | 3 |
| | | CO3 | 100 | 3 | 0.6 | 100 | 3 | 2.4 | 3 |
| | | CO4 | 100 | 3 | 0.6 | 100 | 3 | 2.4 | 3 |
| | | CO5 | 100 | 3 | 0.6 | 100 | 3 | 2.4 | 3 |
| Overall CO attainment | | | 100 | 3 | 100 | 100 | 3 | 2.4 | 3 |



4. Research Methodology & Intellectual Property Rights (Theory)

| Course code | Course name | Course outcomes | CO attainment from Internal exam assessment | | | CO attainment from University examination | | | CO Attainment (Internal + University exam) A + B |
|-----------------------|----------------------------|-----------------|---|-------------------------|---|---|-------------------------|---|--|
| | | | CO Attainment (%) | CO Attainment level (a) | A - Internal Exam attainment level (0.20*a) | CO Attainment (%) | CO Attainment level (b) | B - University Examinations attainment level (0.80*b) | |
| M.PT/ R19. C115 | Research methodology & IPR | CO1 | 75 | 2 | 0.4 | 83.3 | 3 | 2.4 | 2.8 |
| | | CO2 | 41.6 | 0 | 0 | 83.3 | 3 | 2.4 | 2.4 |
| | | CO3 | 41.6 | 0 | 0 | 83.3 | 3 | 2.4 | 2.4 |
| | | CO4 | 91.6 | 3 | 0.6 | 83.3 | 3 | 2.4 | 3 |
| | | CO5 | 91.6 | 3 | 0.6 | 83.3 | 3 | 2.4 | 3 |
| Overall CO attainment | | | 68.28 | 1.6 | 0.32 | 83.3 | 3 | 2.4 | 2.72 |

5. Stability of Drug and Dosage Form (Theory)

| Course code | Course name | Course outcomes | CO attainment from Internal exam assessment | | | CO attainment from University examination | | | CO Attainment (Internal+ University exam) A + B |
|-----------------------|-------------|-----------------|---|-------------------------|---|---|-------------------------|---|---|
| | | | CO Attainment (%) | CO Attainment level (a) | A - Internal Exam attainment level (0.20*a) | CO Attainment (%) | CO Attainment level (b) | B - University Examinations attainment level (0.80*b) | |
| M.PT/ R19. C119 | SDDF | CO1 | 60 | 1 | 0.2 | 100 | 3 | 2.4 | 2.6 |
| | | CO2 | 60 | 1 | 0.2 | 100 | 3 | 2.4 | 2.6 |
| | | CO3 | 60 | 1 | 0.2 | 100 | 3 | 2.4 | 2.6 |
| | | CO4 | 100 | 3 | 0.6 | 100 | 3 | 2.4 | 3 |
| | | CO5 | 100 | 3 | 0.6 | 100 | 3 | 2.4 | 3 |
| Overall CO attainment | | | 76 | 1.8 | 0.36 | 100 | 3 | 2.4 | 2.76 |



6. Modern Pharmaceutics-I (Lab)

| Course code | Course name | Course outcomes | CO attainment from Internal exam assessment | | | CO attainment from University examination | | | CO Attainment (Internal+ University exam) A + B |
|-----------------------|----------------------------|-----------------|---|-------------------------|--|---|-------------------------|--|--|
| | | | CO Attainment (%) | CO Attainment level (a) | A- Internal Exam attainment level (0.20*a) | CO Attainment (%) | CO Attainment level (b) | B- University Examinations attainment level (0.80*b) | |
| M.PT/R19 .C1110 | Modern Pharmaceutics (LAB) | CO1 | 100 | 3 | 0.6 | 100 | 3 | 2.4 | 3 |
| | | CO2 | 100 | 3 | 0.6 | 100 | 3 | 2.4 | 3 |
| | | CO3 | 100 | 3 | 0.6 | 100 | 3 | 2.4 | 3 |
| | | CO4 | 95 | 3 | 0.6 | 100 | 3 | 2.4 | 3 |
| | | CO5 | 95 | 3 | 0.6 | 100 | 3 | 2.4 | 3 |
| Overall CO attainment | | | 98 | 3 | 0.6 | 100 | 3 | 2.4 | 3 |

7. Advanced Bio Pharmaceutics and Pharmacokinetics (Lab)

| Course code | Course name | Course outcomes | CO attainment from Internal exam assessment | | | CO attainment from University examination | | | CO Attainment (Internal+ University exam) A + B |
|-------------------------|-------------|-----------------|---|-------------------------|--|---|-------------------------|--|--|
| | | | CO Attainment (%) | CO Attainment level (a) | A- Internal Exam attainment level (0.20*a) | CO Attainment (%) | CO Attainment level (b) | B- University Examinations attainment level (0.80*b) | |
| M.PT /R19. C111 1 | ABPPK (LAB) | CO1 | 100 | 3 | 0.6 | 100 | 3 | 2.4 | 3 |
| | | CO2 | 100 | 3 | 0.6 | 100 | 3 | 2.4 | 3 |
| | | CO3 | 100 | 3 | 0.6 | 100 | 3 | 2.4 | 3 |
| | | CO4 | 100 | 3 | 0.6 | 100 | 3 | 2.4 | 3 |
| | | CO5 | 100 | 3 | 0.6 | 100 | 3 | 2.4 | 3 |
| Overall CO attainment | | | 100 | 3 | 0.6 | 100 | 3 | 2.4 | 3 |



8. Audit Course-1 Value Education (Theory)

| Course code | Course name | Course outcomes | CO attainment from Internal exam assessment | | | CO attainment from University examination | | | CO Attainment (Internal + University exam) A + B |
|------------------------------|-----------------|-----------------|---|-------------------------|---|---|-------------------------|---|---|
| | | | CO Attainment (%) | CO Attainment level (a) | A - Internal Exam attainment level (0.20*a) | CO Attainment (%) | CO Attainment level (b) | B - University Examinations attainment level (0.80*b) | |
| M.PT / R19. C111 5 | Value Education | CO1 | 100 | 3 | 0.6 | 100 | 3 | 2.4 | 3 |
| | | CO2 | 0 | 0 | 0 | 100 | 3 | 2.4 | 2.4 |
| | | CO3 | 80 | 3 | 0.6 | 100 | 3 | 2.4 | 3 |
| | | CO4 | 20 | 0 | 0 | 100 | 3 | 2.4 | 2.4 |
| | | CO5 | 80 | 3 | 0.6 | 100 | 3 | 2.4 | 3 |
| Overall CO attainment | | | 60 | 1.8 | 56 | 1.8 | 0.36 | 2.4 | 2.76 |



M. Pharmacy/ First Year/ II Semester

1. Modern Pharmaceutics-II (Theory)

| Course code | Course name | Course outcomes | CO attainment from Internal exam assessment | | | CO attainment from University examination | | | CO Attainment (Internal + University exam) A + B |
|-----------------------|-------------------------|-----------------|---|-------------------------|---|---|-------------------------|---|---|
| | | | CO Attainment (%) | CO Attainment level (a) | A - Internal Exam attainment level (0.20*a) | CO Attainment (%) | CO Attainment level (b) | B - University Examinations attainment level (0.80*b) | |
| M.P T/ R19. C121 | Modern Pharmaceutics-II | CO1 | 100 | 3 | 0.6 | 100 | 3 | 2.4 | 3 |
| | | CO2 | 100 | 3 | 0.6 | 100 | 3 | 2.4 | 3 |
| | | CO3 | 100 | 3 | 0.6 | 100 | 3 | 2.4 | 3 |
| | | CO4 | 80 | 3 | 0.6 | 100 | 3 | 2.4 | 3 |
| | | CO5 | 80 | 3 | 0.6 | 100 | 3 | 2.4 | 3 |
| Overall CO attainment | | | 92 | 3 | 0.6 | 100 | 3 | 2.4 | 3 |

2. Advanced Drug Delivery Systems (Theory)

| Course code | Course name | Course outcomes | CO attainment from Internal exam assessment | | | CO attainment from University examination | | | CO Attainment (Internal + University exam) A + B |
|-----------------------|--------------------------------|-----------------|---|-------------------------|---|---|-------------------------|---|---|
| | | | CO Attainment (%) | CO Attainment level (a) | A - Internal Exam attainment level (0.20*a) | CO Attainment (%) | CO Attainment level (b) | B - University Examinations attainment level (0.80*b) | |
| M.P T / R19. C122 | Advanced drug delivery systems | CO1 | 83.3 | 3 | 0.6 | 56 | 0 | 0 | 0.6 |
| | | CO2 | 83.3 | 3 | 0.6 | 56 | 0 | 0 | 0.6 |
| | | CO3 | 83.3 | 3 | 0.6 | 56 | 0 | 0 | 0.6 |
| | | CO4 | 66.6 | 1 | 0.2 | 56 | 0 | 0 | 0.2 |
| | | CO5 | 66.6 | 1 | 0.2 | 56 | 0 | 0 | 0.2 |
| Overall CO attainment | | | 76.62 | 2.2 | 0.44 | 56 | 0 | 0 | 0.44 |



3. Industrial Pharmacy (Theory)

| Course code | Course name | Course outcomes | CO attainment from Internal exam assessment | | | CO attainment from University examination | | | CO Attainment (Internal+ University exam) A + B |
|-----------------------|---------------------|-----------------|---|-------------------------|---|---|-------------------------|---|---|
| | | | CO Attainment (%) | CO Attainment level (a) | A - Internal Exam attainment level (0.20*a) | CO Attainment (%) | CO Attainment level (b) | B - University Examinations attainment level (0.80*b) | |
| M.PT/ R19. C123 | Industrial Pharmacy | CO1 | 100 | 3 | 0.6 | 83.33 | 3 | 2.4 | 3 |
| | | CO2 | 100 | 3 | 0.6 | 83.33 | 3 | 2.4 | 3 |
| | | CO3 | 100 | 3 | 0.6 | 83.33 | 3 | 2.4 | 3 |
| | | CO4 | 100 | 3 | 0.6 | 83.33 | 3 | 2.4 | 3 |
| | | CO5 | 100 | 3 | 0.6 | 83.33 | 3 | 2.4 | 3 |
| Overall CO attainment | | | 100 | 3 | 0.6 | 83.33 | 3 | 2.4 | 3 |

4. Nano Based DDS (Theory)

| Course code | Course name | Course outcomes | CO attainment from Internal exam assessment | | | CO attainment from University examination | | | CO Attainment (Internal+ University exam) A + B |
|-----------------------|----------------|-----------------|---|-------------------------|---|---|-------------------------|---|---|
| | | | CO Attainment (%) | CO Attainment level (a) | A - Internal Exam attainment level (0.20*a) | CO Attainment (%) | CO Attainment level (b) | B - University Examinations attainment level (0.80*b) | |
| M.PT/ R19. C128 | Nano Based DDS | CO1 | 100 | 3 | 0.6 | 100 | 3 | 2.4 | 3 |
| | | CO2 | 100 | 3 | 0.6 | 100 | 3 | 2.4 | 3 |
| | | CO3 | 100 | 3 | 0.6 | 100 | 3 | 2.4 | 3 |
| | | CO4 | 100 | 3 | 0.6 | 100 | 3 | 2.4 | 3 |
| | | CO5 | 100 | 3 | 0.6 | 100 | 3 | 2.4 | 3 |
| Overall CO attainment | | | 100 | 3 | 0.6 | 100 | 3 | 2.4 | 3 |



5. Modern Pharmaceutics-II (Lab)

| Course code | Course name | Course outcomes | CO attainment from Internal exam assessment | | | CO attainment from University examination | | | CO Attainment (Internal+ University exam) A + B |
|-----------------------|-------------------------------|-----------------|---|-------------------------|---|---|-------------------------|---|---|
| | | | CO Attainment (%) | CO Attainment level (a) | A - Internal Exam attainment level (0.20*a) | CO Attainment (%) | CO Attainment level (b) | B - University Examinations attainment level (0.80*b) | |
| M.PT/ R19. C129 | Modern Pharmaceutics-II (LAB) | CO1 | 100 | 3 | 0.6 | 100 | 3 | 2.4 | 3 |
| | | CO2 | 100 | 3 | 0.6 | 100 | 3 | 2.4 | 3 |
| | | CO3 | 100 | 3 | 0.6 | 100 | 3 | 2.4 | 3 |
| | | CO4 | 100 | 3 | 0.6 | 100 | 3 | 2.4 | 3 |
| | | CO5 | 100 | 3 | 0.6 | 100 | 3 | 2.4 | 3 |
| Overall CO attainment | | | 100 | 3 | 0.6 | 100 | 3 | 2.4 | 3 |

6. Advanced Drug Delivery Systems (Lab)

| Course code | Course name | Course outcomes | CO attainment from Internal exam assessment | | | CO attainment from University examination | | | CO Attainment (Internal+ University exam) A + B |
|------------------------|-------------|-----------------|---|-------------------------|---|---|-------------------------|---|---|
| | | | CO Attainment (%) | CO Attainment level (a) | A - Internal Exam attainment level (0.20*a) | CO Attainment (%) | CO Attainment level (b) | B - University Examinations attainment level (0.80*b) | |
| M.PT/ R19. C1210 | ADDS (LAB) | CO1 | 100 | 3 | 0.6 | 100 | 3 | 2.4 | 3 |
| | | CO2 | 100 | 3 | 0.6 | 100 | 3 | 2.4 | 3 |
| | | CO3 | 100 | 3 | 0.6 | 100 | 3 | 2.4 | 3 |
| | | CO4 | 100 | 3 | 0.6 | 100 | 3 | 2.4 | 3 |
| | | CO5 | 100 | 3 | 0.6 | 100 | 3 | 2.4 | 3 |
| Overall CO attainment | | | 100 | 3 | 0.6 | 100 | 3 | 2.4 | 3 |



M. Pharmacy/ Second Year/ I Semester

1 Scale Up and Technology Transfer (Theory)

| Course code | Course name | Course outcomes | CO attainment from Internal exam assessment | | | CO attainment from University examination | | | CO Attainment (Internal+ University exam) A + B |
|------------------------------|-------------|-----------------|---|-------------------------|---|---|-------------------------|--|---|
| | | | CO Attainment (%) | CO Attainment level (a) | A - Internal Exam attainment level (0.20*a) | CO Attainment (%) | CO Attainment level (b) | B - University Examination's attainment level (0.80*b) | |
| M.PT / R19. C212 | STT | CO1 | 83.3 | 3 | 0.6 | 83.33 | 3 | 2.4 | 3 |
| | | CO2 | 83.3 | 3 | 0.6 | 83.33 | 3 | 2.4 | 3 |
| | | CO3 | 83.3 | 3 | 0.6 | 83.33 | 3 | 2.4 | 3 |
| | | CO4 | 66.6 | 1 | 0.2 | 83.33 | 3 | 2.4 | 2.6 |
| | | CO5 | 66.6 | 1 | 0.2 | 83.33 | 3 | 2.4 | 2.6 |
| Overall CO attainment | | | 76.62 | 2.2 | 0.44 | 83.33 | 3 | 83.33 | 2.84 |

2. Audits and Regulatory Compliance (Theory)

| Course code | Course name | Course outcomes | CO attainment from Internal exam assessment | | | CO attainment from University examination | | | CO Attainment (Internal + University exam) A + B |
|------------------------------|-----------------------------|-----------------|---|-------------------------|---|---|-------------------------|--|--|
| | | | CO Attainment (%) | CO Attainment level (a) | A - Internal Exam attainment level (0.20*a) | CO Attainment (%) | CO Attainment level (b) | B - University Examination's attainment level (0.80*b) | |
| M.P T/ R19 C218 | Audit Regulatory Compliance | CO1 | 100 | 3 | 0.6 | 83.33 | 3 | 2.4 | 3 |
| | | CO2 | 100 | 3 | 0.6 | 83.33 | 3 | 2.4 | 3 |
| | | CO3 | 100 | 3 | 0.6 | 83.33 | 3 | 2.4 | 3 |
| | | CO4 | 100 | 3 | 0.6 | 83.33 | 3 | 2.4 | 3 |
| | | CO5 | 100 | 3 | 0.6 | 83.33 | 3 | 2.4 | 3 |
| Overall CO attainment | | | 100 | 3 | 0.6 | 83.33 | 3 | 2.4 | 3 |


HOD/ PROGRAMME COORDINATOR

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 HI/BI OF MSME, ISO 9001:2015 CERTIFIED, AMC of PvPI.
 CHEERYAL (V), KEESARA (M), MEDCHAL DIST, TS- 501301.

Table 3: DIRECT ATTAINMENT OF PROGRAMME OUTCOMES OF ALL COURSES

M.PHARMACY (PHARMACEUTICS)

REGULATION R19 / BATCH (2020-2022)

PROGRAMME: M.PHARM (PHARMACEUTICS)

| S.No. | Course Name | Course Code | Overall CO attainment I(A) | (A*B) of courses | | | | | | | | | | |
|-------|--|-------------------|----------------------------|------------------|------|------|------|------|------|------|------|------|------|------|
| | | | | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | PO11 |
| 1 | Modern Pharmaceutics (Th) | M.PT/R19 C111 | 3 | 9 | 3 | 9 | 9 | 3 | 9 | 9 | 3 | 9 | 9 | 9 |
| 2 | Advanced Bio Pharmaceutics and Pharmacokinetics (Th) | M.PT/R19 C112 | 1.28 | 3.84 | 2.56 | 3.84 | 3.84 | 2.56 | 3.84 | 3.84 | 2.56 | 3.84 | 3.84 | 3.84 |
| 3 | Drug Regulatory Affairs(Th) | M.PT/R19 C114 | 3 | 9 | 3 | 9 | 9 | 3 | 9 | 9 | 3 | 9 | 9 | 9 |
| 4 | Research Methodology & IPR(Th) | M.PT/R19 C115 | 2.72 | 7.61 | 4.89 | 8.16 | 7.07 | 7.61 | 7.61 | 7.61 | 7.61 | 8.16 | 8.16 | 8.16 |
| 5 | Stability of Drugs and Dosage Forms (Th) | M.PT/R19 C119 | 2.76 | 8.28 | 8.28 | 8.28 | 8.28 | 8.28 | 8.28 | 8.28 | 8.28 | 8.28 | 8.28 | 8.28 |
| 6 | Modern Pharmaceutics (Lab) | M.PT/R19 C1110 | 3 | 9 | 3 | 9 | 9 | 3 | 9 | 9 | 3 | 9 | 9 | 9 |
| 7 | Advanced Bio Pharmaceutics | M.PT/R19 C1111 | 3 | 8.4 | 6 | 9 | 7.2 | 6 | 8.4 | 8.4 | 6 | 9 | 6 | 9 |



| | | | | | | | | | | | | | | |
|---|---------------------------------------|-------------------|------|------|------|------|------|------|------|------|------|------|------|------|
| | and Pharmacokinetics (Lab) | | | | | | | | | | | | | |
| 8 | Value Education (Th) | M.PT/R19 C1115 | 2.76 | 7.72 | 5.52 | 6.62 | 6.62 | 5.52 | 7.72 | 7.72 | 5.52 | 6.62 | 6.62 | 8.28 |
| 9 | Modern Pharmaceutics-II (Th) | M.PT/R19 C121 | 3 | 8.4 | 6 | 9 | 7.2 | 6 | 8.4 | 8.4 | 6 | 9 | 7.2 | 9 |
| 10 | Advanced drug delivery systems (Th) | M.PT/R19 C122 | 0.44 | 1.23 | 0.79 | 1.32 | 1.14 | 1.23 | 1.23 | 1.23 | 1.23 | 1.32 | 1.32 | 1.32 |
| 11 | Industrial Pharmacy (Th) | M.PT/R19 C123 | 3 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| 12 | Nano Based Drug Delivery Systems(Th) | M.PT/R19 C128 | 3 | 9 | 9 | 9 | 9 | 6 | 9 | 9 | 6 | 9 | 9 | 9 |
| 13 | Modern Pharmaceutics-II (Lab) | M.PT/R19 C129 | 3 | 7.8 | 6 | 9 | 9 | 6 | 7.8 | 7.8 | 6 | 9 | 9 | 9 |
| 14 | Advanced drug delivery systems (Lab) | M.PT/R19 C1210 | 3 | 8.4 | 5.4 | 9 | 7.8 | 8.4 | 8.4 | 8.4 | 8.4 | 9 | 9 | 9 |
| 15 | Scale up and Technology Transfer (Th) | M.PT/R19 C212 | 2.84 | 8.52 | 8.52 | 8.52 | 8.52 | 8.52 | 8.52 | 8.52 | 8.52 | 8.52 | 8.52 | 8.52 |
| 16 | Audit Regulatory Compliances (Th) | M.PT/R19 C218 | 3 | 9 | 3 | 9 | 9 | 3 | 9 | 9 | 3 | 9 | 9 | 9 |
| 17 | Project | M.PT/R19 C222 | 3 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| Average of {(A*B) of all courses} | | | | 7.84 | 5.47 | 7.98 | 7.63 | 5.65 | 7.84 | 7.84 | 5.65 | 7.98 | 7.70 | 8.08 |
| Average correlation values of CO-PO matrix (B) of all courses | | | | 2.9 | 2.0 | 3.0 | 2.8 | 2.1 | 2.9 | 2.9 | 2.1 | 3.0 | 2.9 | 3.0 |
| DIRECT ATTAINMENT | | | | 2.70 | 2.73 | 2.66 | 2.72 | 2.69 | 2.70 | 2.70 | 2.69 | 2.66 | 2.65 | 2.69 |
| DIRECT ATTAINMENT (80%) | | | | 2.16 | 2.18 | 2.12 | 2.17 | 2.15 | 2.16 | 2.16 | 2.15 | 2.12 | 2.12 | 2.15 |

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Table 4: INDIRECT ATTAINMENT OF PROGRAMME OUTCOMES OF ALL COURSES

M.PHARMACY (PHARMACEUTICS)

REGULATION R19 / BATCH (2020-2022)

PROGRAMME: M.PHARMACY (PHARMACEUTICS)

| Batch | Total Students | Survey Details | Total No of Surveys | P O 1 | P O 2 | P O 3 | P O 4 | P O 5 | P O 6 | P O 7 | P O 8 | P O 9 | P O 10 | P O 11 |
|---------------------------|----------------|----------------|---------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|
| 2020-22 | 5 | PES | 5 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| Indirect attainment level | | | | 2 | 2 | 1.4 | 2 | 2 | 1.8 | 1.2 | 1.5 | 1.2 | 2 | 1.5 |
| 2020-22 | 5 | AS | 5 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| Indirect attainment level | | | | 1.5 | 1.5 | 2 | 2 | 2 | 2 | 2 | 1.5 | 2 | 1.5 | 1.5 |
| 2020-22 | 4 | ES | 4 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| Indirect attainment level | | | | 2.7 | 1.7 | 1.3 | 1.7 | 0.7 | 1.7 | 2.0 | 1.0 | 0.7 | 0.7 | 0.0 |


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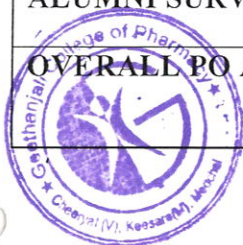
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Table 5: OVERALL PO ATTAINMENT OF PROGRAMME OUTCOMES OF ALL
COURSES

M.PHARMACY (PHARMACEUTICS)
REGULATION R19 / BATCH (2020-2022)

| PO ATTAINMENT | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | PO11 |
|-------------------------|------|------|------|------|------|------|------|------|------|------|------|
| DIRECT ATTAINMENT (80%) | 2.16 | 2.18 | 2.12 | 2.17 | 2.15 | 2.16 | 2.16 | 2.15 | 2.12 | 2.12 | 2.15 |
| PROG EXIT SURVEY (10%) | 0.2 | 0.2 | 0.14 | 0.2 | 0.2 | 0.18 | 0.12 | 0.15 | 0.12 | 0.2 | 0.15 |
| EMPLOYER SURVEY (05%) | 0.13 | 0.08 | 0.06 | 0.08 | 0.03 | 0.08 | 0.1 | 0.05 | 0.03 | 0.03 | 0 |
| ALUMNI SURVEY (05%) | 0.07 | 0.07 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.07 | 0.1 | 0.07 | 0.07 |
| OVERALL PO ATTAINMENT | 2.56 | 2.53 | 2.42 | 2.55 | 2.48 | 2.52 | 2.48 | 2.42 | 2.37 | 2.42 | 2.37 |




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**Table 6: EVALUATION OF ATTAINMENT OF PO'S OF ALL COURSES
M.PHARMACY (PHARMACEUTICS)
REGULATION R19 / BATCH (2020-2022)**

| PO | ELOA | ALOA |
|------|------|------|
| PO1 | 3 | 2.56 |
| PO2 | 3 | 2.53 |
| PO3 | 3 | 2.42 |
| PO4 | 3 | 2.55 |
| PO5 | 3 | 2.48 |
| PO6 | 3 | 2.52 |
| PO7 | 3 | 2.48 |
| PO8 | 3 | 2.42 |
| PO9 | 3 | 2.37 |
| PO10 | 3 | 2.42 |
| PO11 | 3 | 2.37 |



Note: Expected level of attainment (ELOA); Actual level of attainment (ALOA)


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