



(An Autonomous Institution - AFFILIATED TO ANNA UNIVERSITY, CHENNAI)

S.P.G.Chidambara Nadar - C.Nagammal Campus

S.P.G.C. Nagar, K.Vellakulam – 625 701 (Near VIRUDHUNAGAR).



NAAC – CRITERION 2

Teaching – Learning & Evaluation

2.6.2 Attainment of Programme outcomes and course outcomes are evaluated by the institution during the year 2023-2024

[Proofs]

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| S. No. | Year | Page Number |
|-----------|---|-------------|
| 1 | Proof of Copyright for CO – PO attainment sheet | 1 |
| 2023-2024 | | |
| 2 | 1 st year | 2-30 |
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| 4 | 3 rd year | 45-58 |
| 5 | 4 th year | 59-92 |

12/2/2019

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KAMARAJO

COLLEGE OF ENGINEERING & TECHNOLOGY

(An Autonomous Institution - AFFILIATED TO ANNA UNIVERSITY, CHENNAI)
 B.P.G. Chidambara Nadar - C. Nagarajam Campus
 S.P.O.C. Nagar, K. Velakulam - 625 701 (near VIRUDHUNAGAR)

| | |
|---------------|-----------------|
| Course | B.E |
| Year & Branch | I CIVIL |
| Semester | 2 |
| Staff Name | Dr.B.Kayalvizhi |
| Academic Year | 2023-2024 |
| Regulation | R 2021 |

Please Enter the PO - CO Mapping for the subject.

| | | | |
|---------------|----------------------|-------------|------|
| Cycle Test No | 1 | 2 | 3 |
| Date of Exam | 25.03.24 | 18.05.24 | |
| Subject Name | Professional English | | |
| Subject Code | SH2151 | Course Code | C110 |

| | |
|---|-------------|
| Enter the Internal Target Value | 60 % |
| Enter the University Grade Target Value | B+ |

(Refer Course Beginning Report)

| CO | Course Outcome | P01 | P02 | P03 | P04 | P05 | P06 | P07 | P08 | P09 | P010 | P011 | P012 | PS01 | PS02 |
|--------|--|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|------|
| C110.1 | Compare and contrast products and ideas in technical texts | - | - | - | - | - | - | - | - | - | M | - | - | - | - |
| C110.2 | Identify cause and effects in events, industrial processes through technical texts | - | - | - | - | - | - | - | - | - | M | - | - | - | - |
| C110.3 | Analyse problems in order to arrive at feasible solutions and communicate them orally and in the written format. | - | - | - | - | - | - | - | - | - | M | - | - | - | - |
| C110.4 | Report events and the processes of technical and industrial nature. | - | - | - | - | - | - | - | - | - | M | - | - | - | - |
| C110.5 | Present their opinions in a planned and logical manner, and draft effective resumes in context of job search. | - | - | - | - | - | - | - | - | - | M | - | - | - | - |

| CO No | Course Outcome | Assessment Tools | | | |
|--------|--|------------------|--------------|---|---|
| | | 1 | 2 | 3 | 4 |
| C110.1 | Compare and contrast products and ideas in technical texts | Cycle Test 1 | | | |
| C110.2 | Identify cause and effects in events, industrial processes through technical texts | Cycle Test 1 | | | |
| C110.3 | Analyse problems in order to arrive at feasible solutions and communicate them orally and in the written format. | Cycle Test 2 | | | |
| C110.4 | Report events and the processes of technical and industrial nature. | Cycle Test 2 | | | |
| C110.5 | Present their opinions in a planned and logical manner, and draft effective resumes in context of job search. | | Assignment 1 | | |

| Cycle Test - CO wise Coverage | | | |
|-------------------------------|-----|---|--|
| 1 | 2 | 3 | |
| 100 | | | |
| 100 | | | |
| | 100 | | |
| | 100 | | |
| | | | |

| Assesment Tools (Weightages in %) | | | | | Verified |
|------------------------------------|-----|---|---|--|----------|
| 1 | 2 | 3 | 4 | | |
| 100 | | | | | 100 |
| 100 | | | | | 100 |
| 100 | | | | | 100 |
| 100 | | | | | 100 |
| 0 | 100 | | | | 100 |

| CO NO | Course Outcomes | P01 | P02 | P03 | P04 | P05 | P06 | P07 | P08 | P09 | P010 | P011 | P012 | PS01 | PS02 |
|-------|--|-----|-----|-----|-----|-----|-----|-----|-----|-----|----------|------|------|------|------|
| 1 | Compare and contrast products and ideas in technical texts | - | - | - | - | - | - | - | - | - | 2 | - | - | - | - |
| 2 | Identify cause and effects in events, industrial processes through technical texts | - | - | - | - | - | - | - | - | - | 2 | - | - | - | - |
| 3 | Analyse problems in order to arrive at feasible solutions and communicate them orally and in the written format. | - | - | - | - | - | - | - | - | - | 2 | - | - | - | - |
| 4 | Report events and the processes of technical and industrial nature. | - | - | - | - | - | - | - | - | - | 2 | - | - | - | - |
| 5 | Present their opinions in a planned and logical manner, and draft effective resumes in context of job search. | - | - | - | - | - | - | - | - | - | 2 | - | - | - | - |
| | Average | - | - | - | - | - | - | - | - | - | 2 | - | - | - | - |

Cycle Test 2 Result Analysis

| | |
|--------------------|----------------------|
| Subject Name | Professional English |
| Subject Code | SH2151 |
| Year and Branch | I CIVIL |
| Subject Handled by | Dr.B.Kayalvizhi |



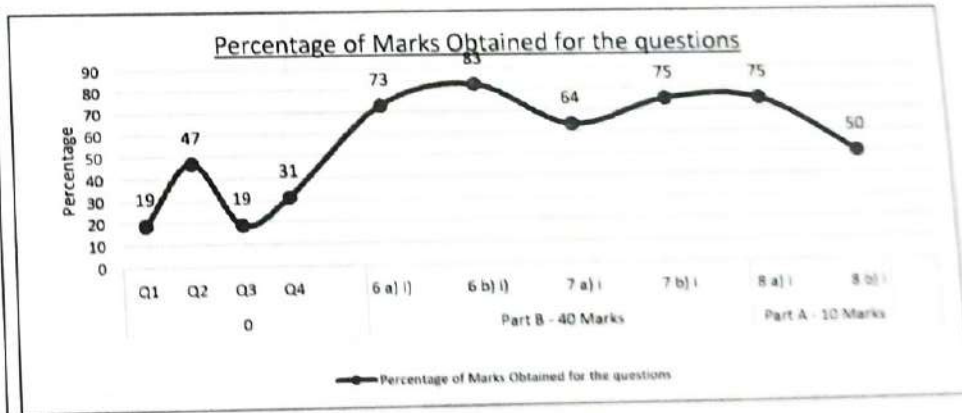
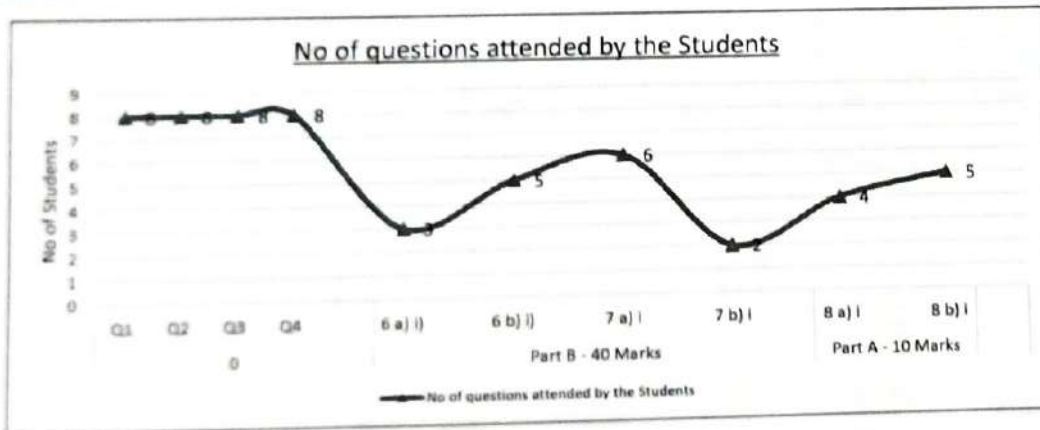
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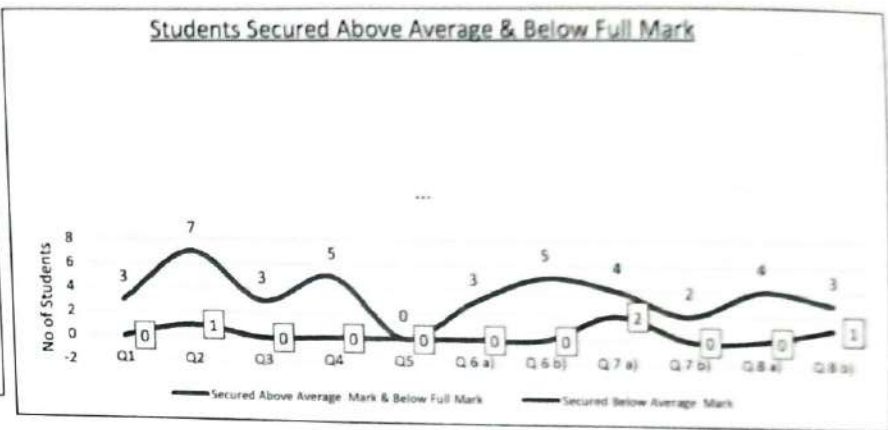
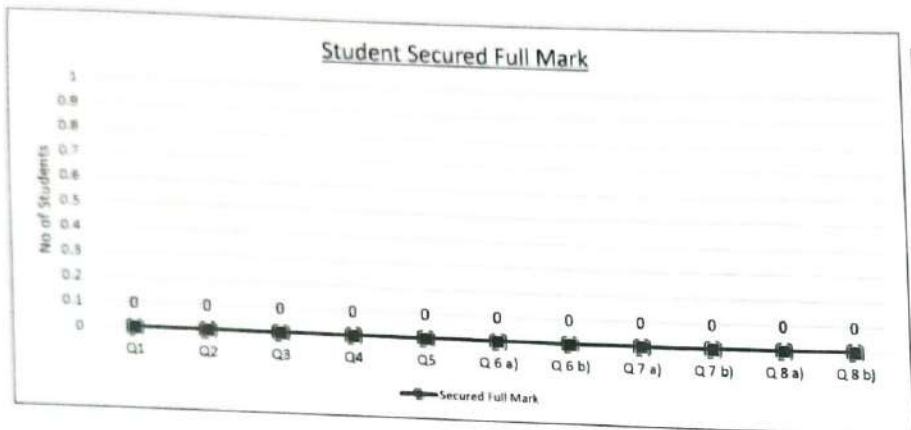
| Unit Test Analysis | No |
|-----------------------|-------|
| Total No of Students | 8 |
| No of Students Pass | 6 |
| No of Students Fail | 2 |
| No of Students Absent | 0 |
| Total Attended | 8 |
| Maximum Mark | 80 |
| Average Mark | 62.13 |

| | |
|--|---------|
| Pass Percentage (Based on Strength) | 75.00 % |
| Pass Percentage (Based on Students Attended) | 75.00 % |

| Mark based Analysis | | | |
|--------------------------|---|-----------------------|---|
| No. of students above 90 | 0 | No. of students 40-49 | 0 |
| No. of students 80-89 | 1 | No. of students 30-39 | 2 |
| No. of students 70-79 | 3 | No. of students 20-29 | 0 |
| No. of students 60-69 | 2 | No. of students 10-19 | 0 |
| No. of students 50-59 | 0 | No. of students 0-9 | 0 |

| Questionwise Analysis | 0 | | | | | Part B - 40 Marks | | | | | | | | Part A - 10 Marks | | | |
|--|------------------|-------|-------|-------|---------|-------------------|----------|---------|----------|-------------------|----------|---------|----------|-------------------|----------|---------|----------|
| | Q1 | Q2 | Q3 | Q4 | Q5 | 6 a) i) | 6 a) ii) | 6 b) i) | 6 b) ii) | 7 a) i) | 7 a) ii) | 7 b) i) | 7 b) ii) | 8 a) i) | 8 a) ii) | 8 b) i) | 8 b) ii) |
| No of questions attended by the Students | 8 | 8 | 8 | 8 | NA | 3 | NA | 5 | NA | 6 | NA | 2 | NA | 4 | NA | 5 | NA |
| No of questions not attended by the Students | 0 | 0 | 0 | 0 | NA | 5 | NA | 3 | NA | 2 | NA | 6 | NA | 4 | NA | 3 | NA |
| Total Marks Secured for the questions | 3 | 7.5 | 3 | 5 | 0 | 35 | 0 | 66 | 0 | 61 | 0 | 24 | 0 | 24 | 0 | 20 | 0 |
| Percentage of Marks Obtained for the questions | 18.75 | 46.88 | 18.75 | 31.25 | NA | 72.92 | NA | 82.50 | NA | 63.54 | NA | 75.00 | NA | 75.00 | NA | 50.00 | NA |
| | Part A - 2 Marks | | | | | Part B - 13 Marks | | | | Part B - 13 Marks | | | | | | | |
| Secured Full Mark | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Secured Above Average Mark & Below Full Mark | 3 | 7 | 3 | 5 | 0 | 3 | 5 | 4 | 2 | 4 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| Secured Below Average Mark | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Secured Zero | 5 | 0 | 5 | 3 | #VALUE! | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |



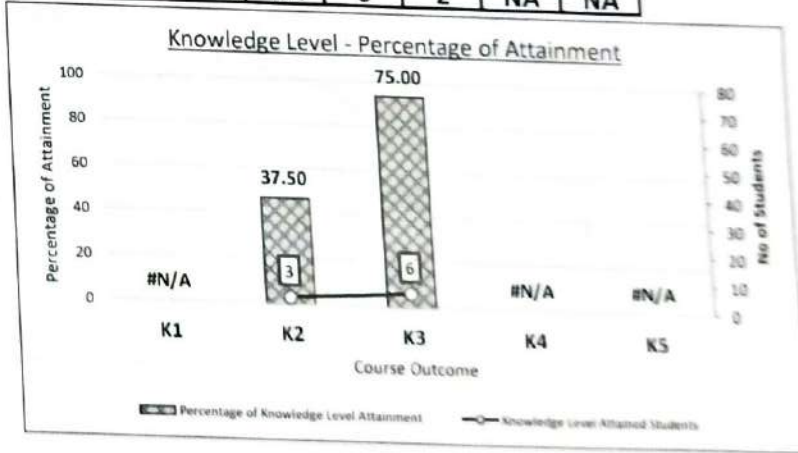
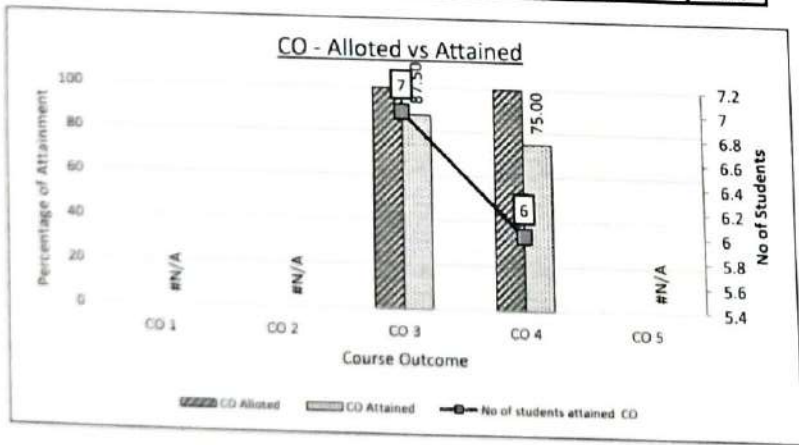


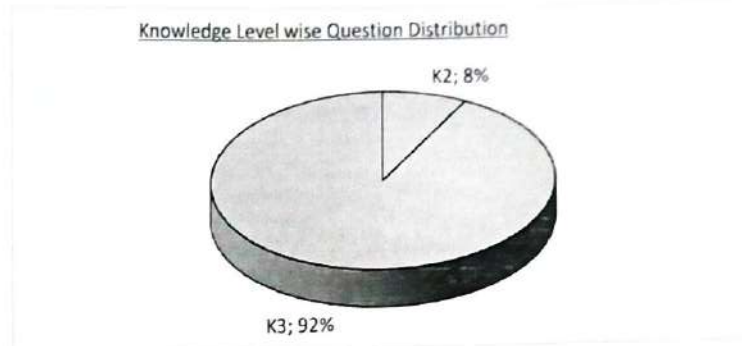
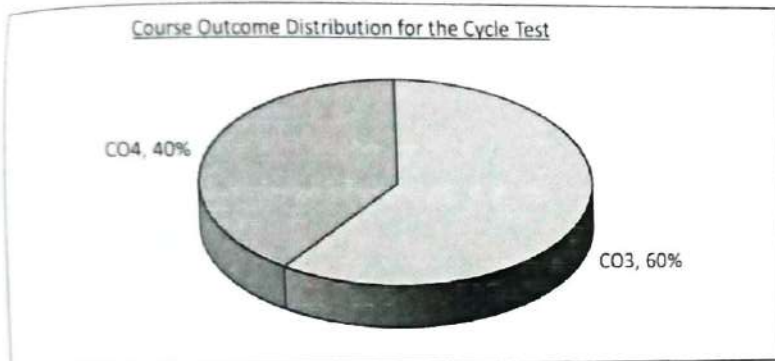
Course Outcome wise Analysis

| Particulars | CO 1 | CO 2 | CO 3 | CO 4 | CO 5 |
|------------------------------|------|------|-------|-------|------|
| Secured Full Mark | NA | NA | 0 | 0 | NA |
| Secured Above Average Mark | NA | NA | 7 | 6 | NA |
| Secured Below Average Mark | NA | NA | 1 | 2 | NA |
| Secured Zero | NA | NA | 0 | 0 | NA |
| CO Alloted | 0 | 0 | 240 | 160 | 0 |
| CO Attained | 0 | 0 | 156 | 92.5 | 0 |
| CO Attained (In Percentage) | NA | NA | 65.00 | 57.81 | NA |
| Maximum per CO | 0 | 0 | 24 | 16 | 0 |
| 60 % Max of CO | 0 | 0 | 14.4 | 9.6 | 0 |
| No of students attained CO | NA | NA | 7 | 6 | NA |
| CO Attainment Percentage | NA | NA | 87.50 | 75.00 | NA |
| Attainment Level | NA | NA | 3 | 2 | NA |

Knowledge Level wise Analysis

| Particulars | K1 | K2 | K3 | K4 | K5 |
|-----------------------------|-----|-------|-------|-----|-----|
| Secured Full Mark | NIL | 0 | 0 | NIL | NIL |
| Secured Above Average Mark | NIL | 3 | 6 | NIL | NIL |
| Secured Below Average Mark | NIL | 5 | 2 | NIL | NIL |
| Secured Zero | NIL | 0 | 0 | NIL | NIL |
| Knowledge Level Alloted | 0 | 32 | 0 | 0 | 0 |
| Knowledge Level Attained | 0 | 10.5 | 0 | 0 | 0 |
| Attainment (In Percentage) | NA | 32.81 | NA | NA | NA |
| Maximum per Knowledge Level | 0 | 2 | 39 | 0 | 0 |
| 60 % Max of K Level | 0 | 1.2 | 23.4 | 0 | 0 |
| No of students attained | NA | 3 | 6 | NA | NA |
| Attainment Percentage | NA | 37.50 | 75.00 | NA | NA |
| Attainment Level | NA | 0 | 2 | NA | NA |





CO -PO - Attainment - Cycle Test 2

| CO | PO 1 | PO 2 | PO 3 | PO 4 | PO 5 | PO 6 | PO 7 | PO 8 | PO 9 | PO 10 | PO 11 | PO 12 | PSO 1 | PSO 2 |
|--------|------|------|------|------|------|------|------|------|------|-------|-------|-------|-------|-------|
| C110.1 | - | - | - | - | - | - | - | - | - | NA | - | - | - | - |
| C110.2 | - | - | - | - | - | - | - | - | - | NA | - | - | - | - |
| C110.3 | - | - | - | - | - | - | - | - | - | 2.00 | - | - | - | - |
| C110.4 | - | - | - | - | - | - | - | - | - | 1.33 | - | - | - | - |
| C110.5 | - | - | - | - | - | - | - | - | - | NA | - | - | - | - |

Note

NA - Not Applicable

Attainment Level 1

60 % Students secured more than Target Value

Attainment Level 2

70 % Students secured more than Target Value

Attainment Level 3

80 % Students secured more than Target Value

Action Plan Report for the Attainment of CO

| CO | Target Value | Actual Attainment | CO Attained ? | Attainment GAP in Percentage | Action Plan to Bridge the Gap |
|--------|---------------------|-------------------|---------------|------------------------------|-------------------------------|
| C110.1 | 60 %of Maximum Mark | NA | NA | NA | |
| C110.2 | 60 %of Maximum Mark | NA | NA | NA | |
| C110.3 | 60 %of Maximum Mark | 87.5 % | Attained | 27.5 % | |
| C110.4 | 60 %of Maximum Mark | 75 % | Attained | 15 % | |
| C110.5 | 60 %of Maximum Mark | NA | NA | NA | |

HoD Remarks

[Signature]
Staff Incharge

[Signature]
Chairperson

[Signature]
HoD

Cycle Test 2 Result Analysis

| | |
|--------------------|-------------------|
| Subject Name | Technical English |
| Subject Code | SH2101 |
| Year and Branch | I-Year & CIVIL |
| Subject Handled by | Dr. B.Kayalvizhi |

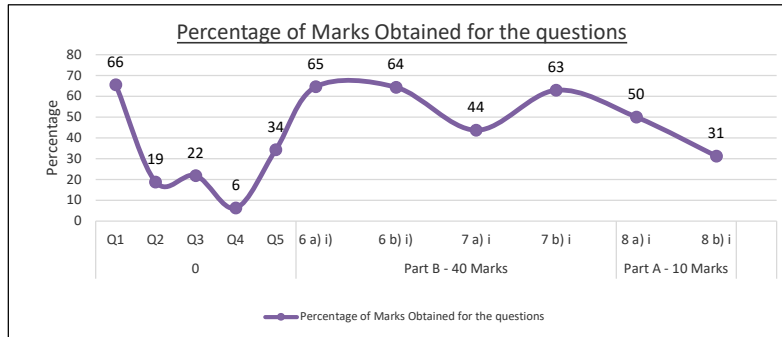
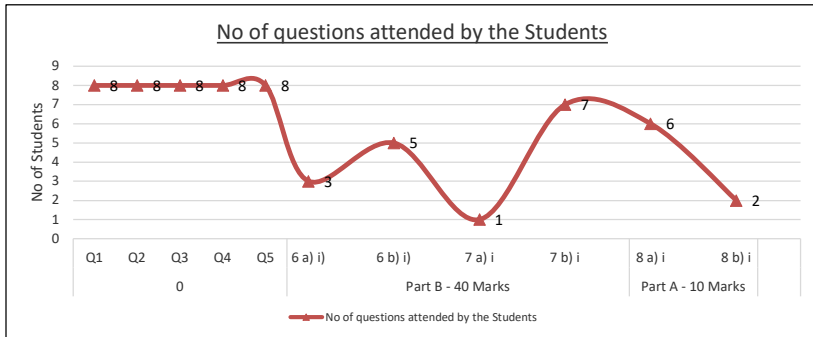


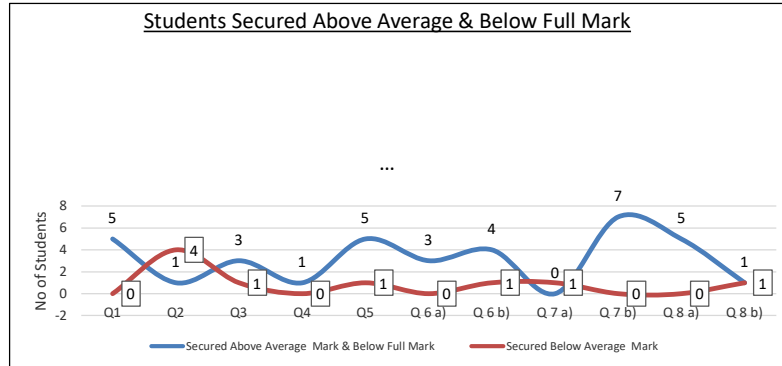
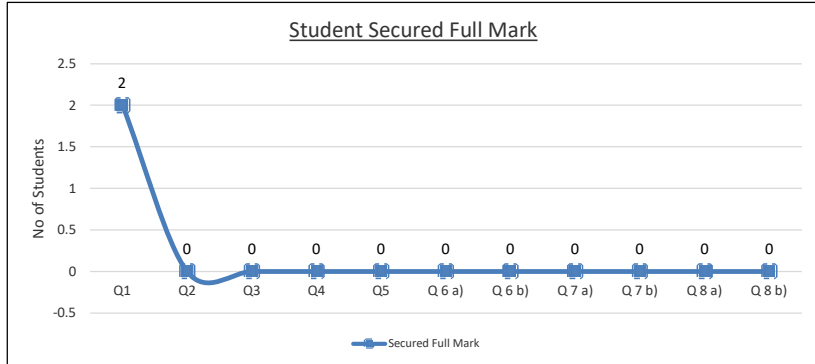
| Unit Test Analysis | No |
|-----------------------|-------|
| Total No of Students | 8 |
| No of Students Pass | 7 |
| No of Students Fail | 1 |
| No of Students Absent | 0 |
| Total Attended | 8 |
| Maximum Mark | 67 |
| Average Mark | 53.13 |

| | |
|---|---------|
| Pass Percentage (Based on Strength) | 87.50 % |
| Pass Percentage (Based on Students Attended) | 87.50 % |

| Mark based Analysis | | | |
|--------------------------|---|-----------------------|---|
| No. of students above 90 | 0 | No. of students 40-49 | 0 |
| No. of students 80-89 | 0 | No. of students 30-39 | 1 |
| No. of students 70-79 | 0 | No. of students 20-29 | 0 |
| No. of students 60-69 | 1 | No. of students 10-19 | 0 |
| No. of students 50-59 | 6 | No. of students 0-9 | 0 |

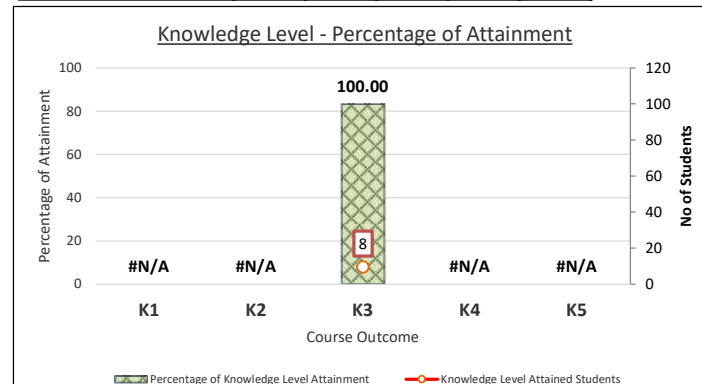
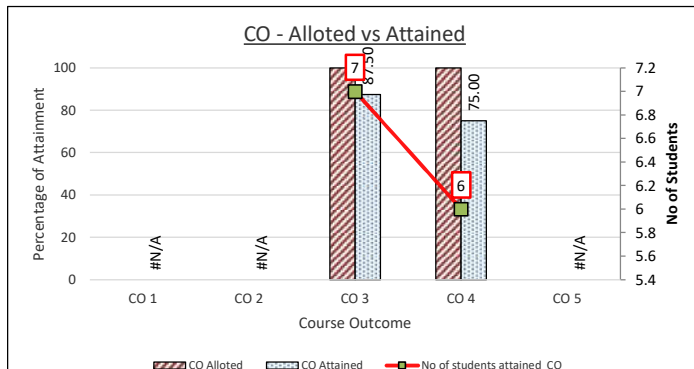
| Questionwise Analysis | 0 | | | | | Part B - 40 Marks | | | | | | | | Part A - 10 Marks | | | |
|--|------------------|-------|-------|------|-------|-------------------|----------|---------|----------|---------|----------|---------|----------|-------------------|----------|---------|----------|
| | Q1 | Q2 | Q3 | Q4 | Q5 | 6 a) i) | 6 a) ii) | 6 b) i) | 6 b) ii) | 7 a) i) | 7 a) ii) | 7 b) i) | 7 b) ii) | 8 a) i) | 8 a) ii) | 8 b) i) | 8 b) ii) |
| No of questions attended by the Students | 8 | 8 | 8 | 8 | 8 | 3 | NA | 5 | NA | 1 | NA | 7 | NA | 6 | NA | 2 | NA |
| No of questions not attended by the Students | 0 | 0 | 0 | 0 | 0 | 5 | NA | 3 | NA | 7 | NA | 1 | NA | 2 | NA | 6 | NA |
| Total Marks Secured for the questions | 10.5 | 3 | 3.5 | 1 | 5.5 | 31 | 0 | 51.5 | 0 | 7 | 0 | 70.5 | 0 | 24 | 0 | 5 | 0 |
| Percentage of Marks Obtained for the questions | 65.63 | 18.75 | 21.88 | 6.25 | 34.38 | 64.58 | NA | 64.38 | NA | 43.75 | NA | 62.95 | NA | 50.00 | NA | 31.25 | NA |
| | Part A - 2 Marks | | | | | Part B - 13 Marks | | | | | | | | Part B - 13 Marks | | | |
| Secured Full Mark | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Secured Above Average Mark & Below Full Mark | 5 | 1 | 3 | 1 | 5 | 3 | 4 | 0 | 7 | 5 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| Secured Below Average Mark | 0 | 4 | 1 | 0 | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Secured Zero | 1 | 3 | 4 | 7 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 |

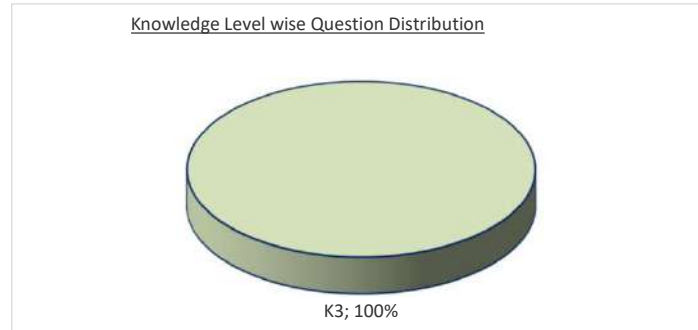
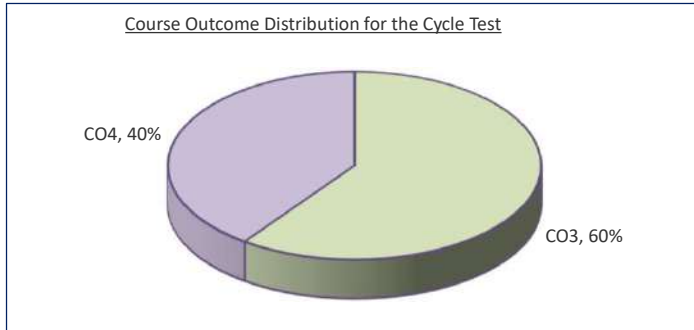




| Course Outcome wise Analysis | | | | | |
|------------------------------|------|------|-------|-------|------|
| Particulars | CO 1 | CO 2 | CO 3 | CO 4 | CO 5 |
| Secured Full Mark | NA | NA | 0 | 0 | NA |
| Secured Above Average Mark | NA | NA | 6 | 4 | NA |
| Secured Below Average Mark | NA | NA | 2 | 4 | NA |
| Secured Zero | NA | NA | 0 | 0 | NA |
| CO Alloted | 0 | 0 | 240 | 160 | 0 |
| CO Attained | 0 | 0 | 128.5 | 84 | 0 |
| CO Attained (In Percentage) | NA | NA | 53.54 | 52.50 | NA |
| Maximum per CO | 0 | 0 | 19.5 | 14 | 0 |
| 60 % Max of CO | 0 | 0 | 11.7 | 8.4 | 0 |
| No of students attained CO | NA | NA | 7 | 6 | NA |
| CO Attainment Percentage | NA | NA | 87.50 | 75.00 | NA |
| Attainment Level | NA | NA | 3 | 2 | NA |

| Knowledge Level wise Analysis | | | | | |
|-------------------------------|-----|-----|--------|-----|-----|
| Particulars | K1 | K2 | K3 | K4 | K5 |
| Secured Full Mark | NIL | NIL | 0 | NIL | NIL |
| Secured Above Average Mark | NIL | NIL | 7 | NIL | NIL |
| Secured Below Average Mark | NIL | NIL | 1 | NIL | NIL |
| Secured Zero | NIL | NIL | 0 | NIL | NIL |
| Knowledge Level Alloted | 0 | 0 | 0 | 0 | 0 |
| Knowledge Level Attained | 0 | 0 | 0 | 0 | 0 |
| Attainment (In Percentage) | NA | NA | NA | NA | NA |
| Maximum per Knowledge Level | 0 | 0 | 28 | 0 | 0 |
| 60 % Max of K Level | 0 | 0 | 16.8 | 0 | 0 |
| No of students attained | NA | NA | 8 | NA | NA |
| Attainment Percentage | NA | NA | 100.00 | NA | NA |
| Attainment Level | NA | NA | 3 | NA | NA |





| CO -PO - Attainment - Cycle Test 2 | | | | | | | | | | | | | | |
|------------------------------------|------|------|------|------|------|------|------|------|------|-------|-------|-------|-------|-------|
| CO | PO 1 | PO 2 | PO 3 | PO 4 | PO 5 | PO 6 | PO 7 | PO 8 | PO 9 | PO 10 | PO 11 | PO 12 | PSO 1 | PSO 2 |
| C101.1 | - | - | - | - | - | - | - | - | - | NA | - | - | - | - |
| C101.2 | - | - | - | - | - | - | - | - | - | NA | - | - | - | - |
| C101.3 | - | - | - | - | - | - | - | - | - | 2.00 | - | - | - | - |
| C101.4 | - | - | - | - | - | - | - | - | - | 0.67 | - | - | - | - |
| C101.5 | - | - | - | - | - | - | - | - | - | NA | - | - | - | - |

Note

NA - Not Applicable

Attainment Level 1

60 % Students secured more than Target Value

Attainment Level 2

70 % Students secured more than Target Value

Attainment Level 3

80 % Students secured more than Target Value

| Action Plan Report for the Attainment of CO | | | | | |
|---|---------------------|-------------------|---------------|------------------------------|-------------------------------|
| CO | Target Value | Actual Attainment | CO Attained ? | Attainment GAP in Percentage | Action Plan to Bridge the Gap |
| C101.1 | 60 %of Maximum Mark | NA | NA | NA | |
| C101.2 | 60 %of Maximum Mark | NA | NA | NA | |
| C101.3 | 60 %of Maximum Mark | 87.5 % | Attained | 27.5 % | |
| C101.4 | 60 %of Maximum Mark | 75 % | Attained | 15 % | |
| C101.5 | 60 %of Maximum Mark | NA | NA | NA | |

HoD Remarks

Staff Incharge

Chairperson

HoD

Cycle Test 3 Result Analysis

| | |
|--------------------|-------------------|
| Subject Name | Technical English |
| Subject Code | SH2101 |
| Year and Branch | I-Year & CIVIL |
| Subject Handled by | Dr. B.Kayalvizhi |

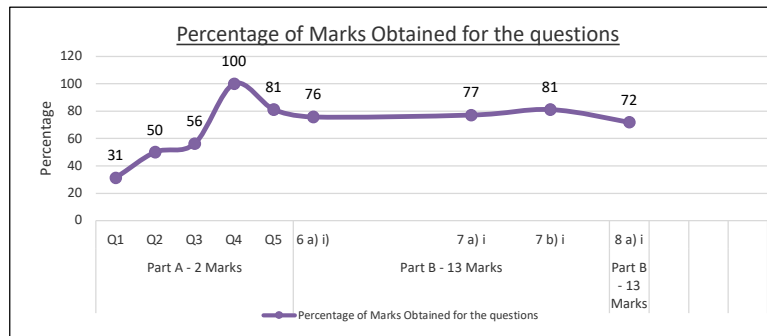
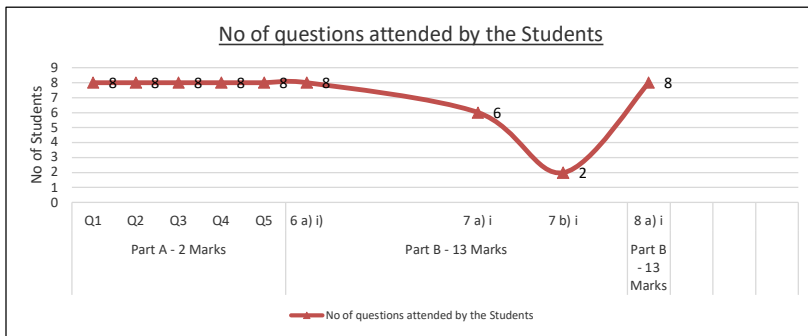


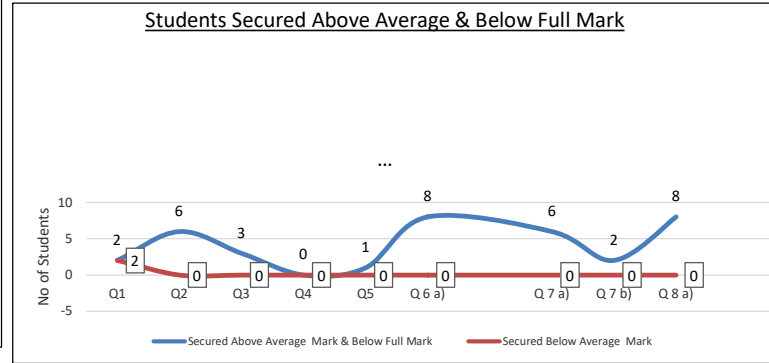
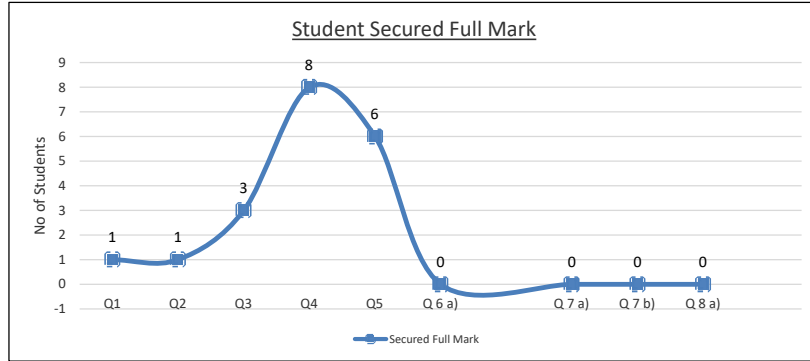
| Unit Test Analysis | No |
|-----------------------|-------|
| Total No of Students | 8 |
| No of Students Pass | 8 |
| No of Students Fail | 0 |
| No of Students Absent | 0 |
| Total Attended | 8 |
| Maximum Mark | 80 |
| Average Mark | 73.50 |

| | |
|--|----------|
| Pass Percentage (Based on Strength) | 100.00 % |
| Pass Percentage (Based on Students Attended) | 100.00 % |

| Mark based Analysis | | | |
|--------------------------|---|-----------------------|---|
| No. of students above 90 | 0 | No. of students 40-49 | 0 |
| No. of students 80-89 | 2 | No. of students 30-39 | 0 |
| No. of students 70-79 | 4 | No. of students 20-29 | 0 |
| No. of students 60-69 | 2 | No. of students 10-19 | 0 |
| No. of students 50-59 | 0 | No. of students 0-9 | 0 |

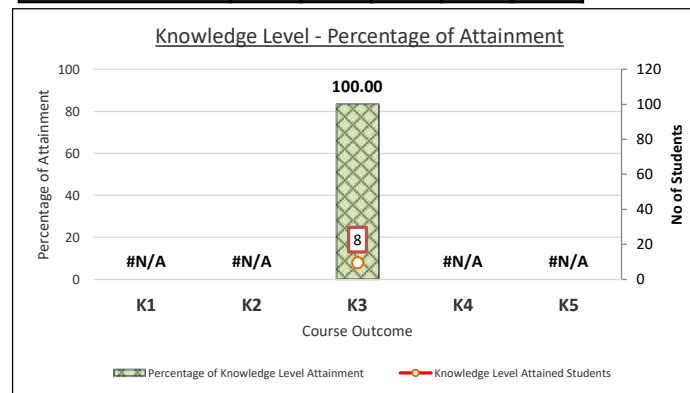
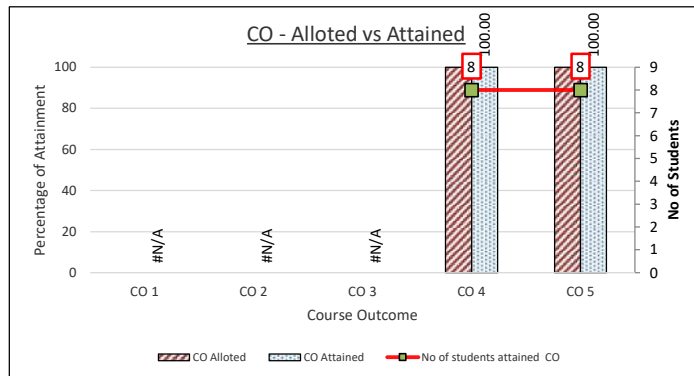
| Questionwise Analysis | Part A - 2 Marks | | | | | Part B - 13 Marks | | | | | | | | Part B - 13 Marks | | | |
|--|------------------|-------|-------|--------|-------|-------------------|----------|---------|----------|---------|----------|---------|----------|-------------------|----------|---------|----------|
| | Q1 | Q2 | Q3 | Q4 | Q5 | 6 a) i) | 6 a) ii) | 6 b) i) | 6 b) ii) | 7 a) i) | 7 a) ii) | 7 b) i) | 7 b) ii) | 8 a) i) | 8 a) ii) | 8 b) i) | 8 b) ii) |
| No of questions attended by the Students | 8 | 8 | 8 | 8 | 8 | 8 | NA | NA | NA | 6 | NA | 2 | NA | 8 | NA | NA | NA |
| No of questions not attended by the Students | 0 | 0 | 0 | 0 | 0 | 0 | NA | NA | NA | 2 | NA | 6 | NA | 0 | NA | NA | NA |
| Total Marks Secured for the questions | 5 | 8 | 9 | 16 | 13 | 97 | 0 | 0 | 0 | 74 | 0 | 26 | 0 | 46 | 0 | 0 | 0 |
| Percentage of Marks Obtained for the questions | 31.25 | 50.00 | 56.25 | 100.00 | 81.25 | 75.78 | NA | NA | NA | 77.08 | NA | 81.25 | NA | 71.88 | NA | NA | NA |
| | Part A - 2 Marks | | | | | Part B - 13 Marks | | | | | | | | Part B - 13 Marks | | | |
| Secured Full Mark | 1 | 1 | 3 | 8 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Secured Above Average Mark & Below Full Mark | 2 | 6 | 3 | 0 | 1 | 8 | 0 | 0 | 6 | 2 | 8 | 0 | 0 | 0 | 0 | 0 | 0 |
| Secured Below Average Mark | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Secured Zero | 3 | 1 | 2 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

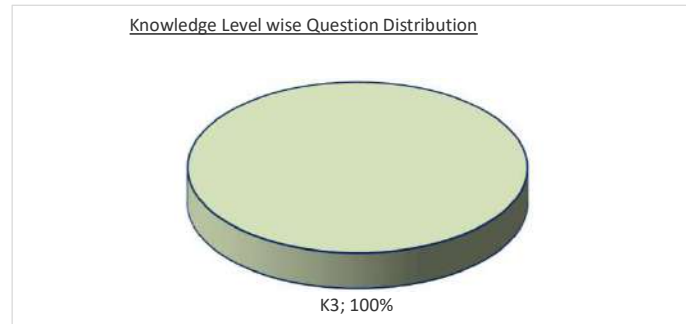
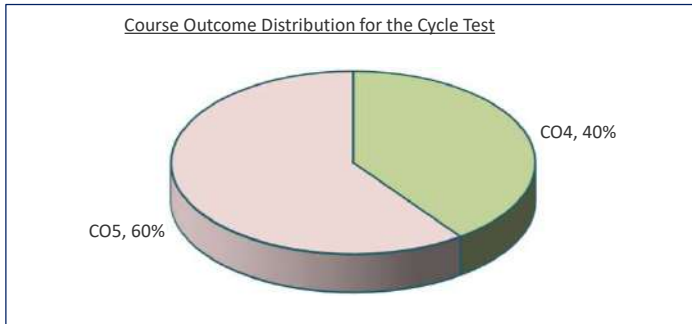




| Course Outcome wise Analysis | | | | | |
|------------------------------|------|------|------|--------|--------|
| Particulars | CO 1 | CO 2 | CO 3 | CO 4 | CO 5 |
| Secured Full Mark | NA | NA | NA | 0 | 0 |
| Secured Above Average Mark | NA | NA | NA | 8 | 8 |
| Secured Below Average Mark | NA | NA | NA | 0 | 0 |
| Secured Zero | NA | NA | NA | 0 | 0 |
| CO Alloted | 0 | 0 | 0 | 160 | 240 |
| CO Attained | 0 | 0 | 0 | 129 | 165 |
| CO Attained (In Percentage) | NA | NA | NA | 80.63 | 68.75 |
| Maximum per CO | 0 | 0 | 0 | 19 | 22.5 |
| 60 % Max of CO | 0 | 0 | 0 | 11.4 | 13.5 |
| No of students attained CO | NA | NA | NA | 8 | 8 |
| CO Attainment Percentage | NA | NA | NA | 100.00 | 100.00 |
| Attainment Level | NA | NA | NA | 3 | 3 |

| Knowledge Level wise Analysis | | | | | |
|-------------------------------|-----|-----|--------|-----|-----|
| Particulars | K1 | K2 | K3 | K4 | K5 |
| Secured Full Mark | NIL | NIL | 0 | NIL | NIL |
| Secured Above Average Mark | NIL | NIL | 8 | NIL | NIL |
| Secured Below Average Mark | NIL | NIL | 0 | NIL | NIL |
| Secured Zero | NIL | NIL | 0 | NIL | NIL |
| Knowledge Level Alloted | 0 | 0 | 0 | 0 | 0 |
| Knowledge Level Attained | 0 | 0 | 0 | 0 | 0 |
| Attainment (In Percentage) | NA | NA | NA | NA | NA |
| Maximum per Knowledge Level | 0 | 0 | 40 | 0 | 0 |
| 60 % Max of K Level | 0 | 0 | 24 | 0 | 0 |
| No of students attained | NA | NA | 8 | NA | NA |
| Attainment Percentage | NA | NA | 100.00 | NA | NA |
| Attainment Level | NA | NA | 3 | NA | NA |





| CO -PO - Attainment - Cycle Test 3 | | | | | | | | | | | | | | |
|------------------------------------|------|------|------|------|------|------|------|------|------|-------|-------|-------|-------|-------|
| CO | PO 1 | PO 2 | PO 3 | PO 4 | PO 5 | PO 6 | PO 7 | PO 8 | PO 9 | PO 10 | PO 11 | PO 12 | PSO 1 | PSO 2 |
| C101.1 | - | - | - | - | - | - | - | - | - | NA | - | - | - | - |
| C101.2 | - | - | - | - | - | - | - | - | - | NA | - | - | - | - |
| C101.3 | - | - | - | - | - | - | - | - | - | NA | - | - | - | - |
| C101.4 | - | - | - | - | - | - | - | - | - | 1.00 | - | - | - | - |
| C101.5 | - | - | - | - | - | - | - | - | - | 2.00 | - | - | - | - |

Note
 NA - Not Applicable
Attainment Level 1
 60 % Students secured more than Target Value
Attainment Level 2
 70 % Students secured more than Target Value
Attainment Level 3
 80 % Students secured more than Target Value

| Action Plan Report for the Attainment of CO | | | | | |
|---|---------------------|-------------------|---------------|------------------------------|-------------------------------|
| CO | Target Value | Actual Attainment | CO Attained ? | Attainment GAP in Percentage | Action Plan to Bridge the Gap |
| C101.1 | 60 %of Maximum Mark | NA | NA | NA | |
| C101.2 | 60 %of Maximum Mark | NA | NA | NA | |
| C101.3 | 60 %of Maximum Mark | NA | NA | NA | |
| C101.4 | 60 %of Maximum Mark | 100 % | Attained | 40 % | |
| C101.5 | 60 %of Maximum Mark | 100 % | Attained | 40 % | |

HoD Remarks

Staff Incharge

Chairperson

HoD



(An Autonomous Institution - AFFILIATED TO ANNA UNIVERSITY, CHENNAI)

S.P.G.Chidambara Nadar - C.Nagammal Campus

S.P.G.C. Nagar, K.Vellakulam – 625 701 (Near VIRUDHUNAGAR).

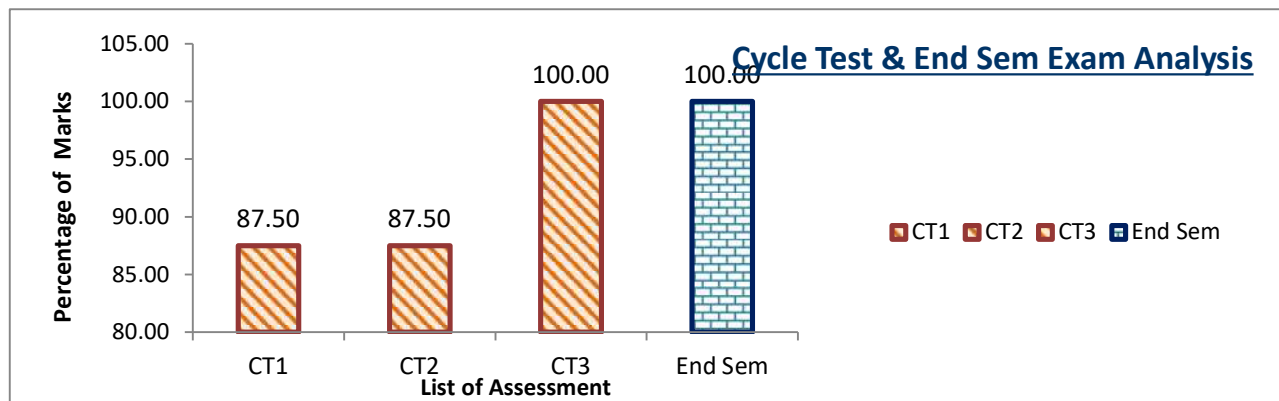
| | |
|--------------------|-------------------|
| Subject Name | Technical English |
| Subject Code | SH2101 |
| Year and Branch | I-Year & CIVIL |
| Subject Handled by | Dr. B.Kayalvizhi |

| | | | |
|---------------|----------|----------|-----------|
| Cycle Test No | 1 | 2 | 3 |
| Date of Exam | 08-11-23 | 01.12.23 | 3.01.2024 |

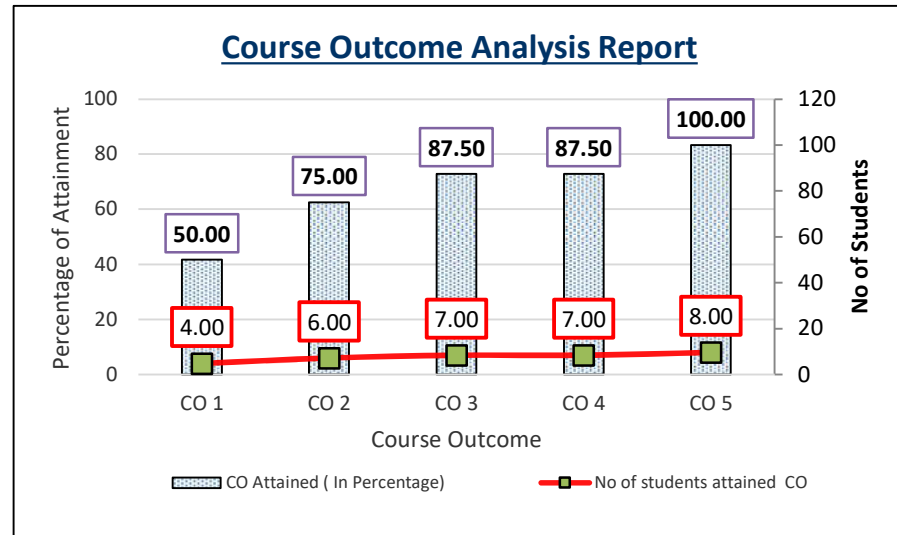
| Exam Analysis | CT1 | CT2 | CT3 | End Sem |
|-----------------------|-------|-------|-------|---------|
| Total No of Students | 8 | 8 | 8 | 8 |
| No of Students Pass | 7 | 7 | 8 | 8 |
| No of Students Fail | 1 | 1 | 0 | 0 |
| No of Students Absent | 0 | 0 | 0 | 0 |
| Total Attended | 8 | 8 | 8 | 8 |
| Maximum Mark/ Grade | 83 | 67 | 80 | A |
| Average Mark/ GPA | 58.88 | 53.13 | 73.50 | 7.13 |

| Assessment Analysis | CT1 | CT2 | CT3 | End Sem Result | |
|--------------------------|-----|-----|-----|----------------|---|
| No. of students above 90 | 0 | 0 | 0 | O --> | 0 |
| No. of students 80-89 | 1 | 0 | 2 | A+ --> | 0 |
| No. of students 70-79 | 1 | 0 | 4 | A --> | 1 |
| No. of students 60-69 | 2 | 1 | 2 | B+ --> | 7 |
| No. of students 50-59 | 3 | 6 | 0 | B --> | 0 |
| No. of students 40-49 | 0 | 0 | 0 | C --> | 0 |
| No. of students 30-39 | 1 | 1 | 0 | U --> | 0 |
| No. of students 20-29 | 0 | 0 | 0 | --> | - |
| No. of students 10-19 | 0 | 0 | 0 | --> | - |
| No. of students 0-9 | 0 | 0 | 0 | --> | - |

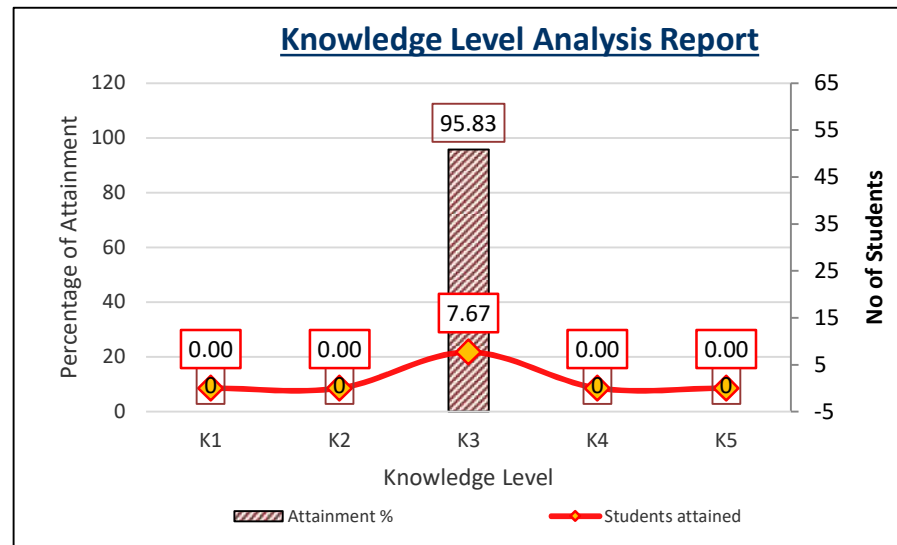
| | | | | |
|--------------------------------------|-------|-------|--------|--------|
| Pass Percentage (Based on Strength) | 87.50 | 87.50 | 100.00 | 100.00 |
| Pass Percentage (Students Attended) | 87.50 | 87.50 | 100.00 | 100.00 |

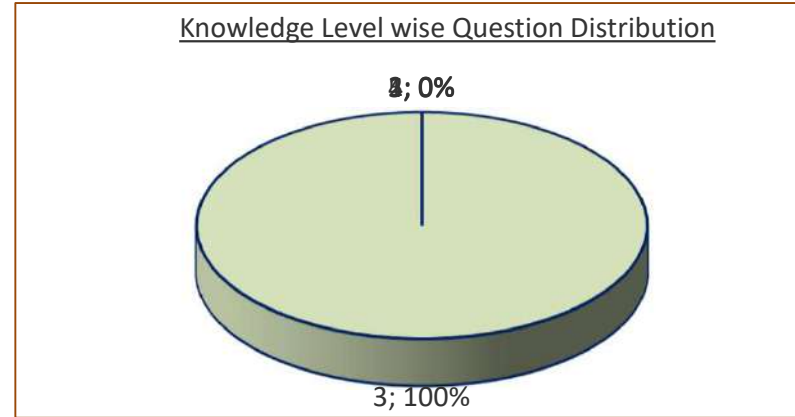
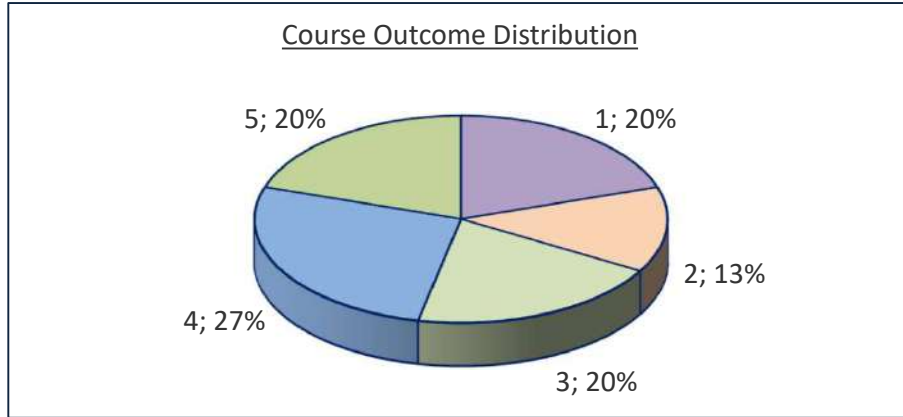


| Overall Course Outcome wise Analysis- Cycle Test | | | | | |
|--|----------|----------|----------|----------|----------|
| Particulars | CO 1 | CO 2 | CO 3 | CO 4 | CO 5 |
| Secured Full Mark | 0 | 0 | 0 | 0 | 0 |
| Secured Above Average Mark | 4 | 6 | 6 | 12 | 8 |
| Secured Below Average Mark | 4 | 2 | 2 | 4 | 0 |
| Secured Zero | 0 | 0 | 0 | 0 | 0 |
| CO Alloted | 240 | 160 | 240 | 320 | 240 |
| CO Alloted (By %) | 100 | 100 | 100 | 100 | 100 |
| CO Attained | 128.5 | 107 | 128.5 | 213 | 165 |
| CO Attained (In Percentage) | 53.54 | 66.88 | 53.54 | 66.56 | 68.75 |
| Maximum per CO | 25 | 16.5 | 19.5 | 33 | 22.5 |
| 60% Max of CO | 15 | 9.9 | 11.7 | 19.8 | 13.5 |
| No of students attained CO | 4 | 6 | 7 | 7 | 8 |
| CO Attainment Percentage | 50 | 75 | 87.5 | 87.5 | 100 |
| Attainment Level | 0 | 2 | 3 | 3 | 3 |



| Knowledge Level wise Analysis | | | | | |
|-------------------------------|-----------|-----------|----------|-----------|-----------|
| Particulars | K1 | K2 | K3 | K4 | K5 |
| Secured Full Mark | NIL | NIL | 0 | NIL | NIL |
| Secured Above | NIL | NIL | 22 | NIL | NIL |
| Secured Below | NIL | NIL | 2 | NIL | NIL |
| Secured Zero | NIL | NIL | 0 | NIL | NIL |
| K Level Alloted | 0 | 0 | 400 | 0 | 0 |
| K Level Attained | 0 | 0 | 235.5 | 0 | 0 |
| Attainment % | NA | NA | 58.875 | NA | NA |
| Maximum per KL | 0 | 0 | 109.5 | 0 | 0 |
| 60% Max | 0 | 0 | 65.7 | 0 | 0 |
| Students attained | NIL | NIL | 7.6667 | NIL | NIL |
| Attainment % | NA | NA | 95.83 | NA | NA |
| Attainment Level | NA | NA | 3 | NA | NA |





| CO -PO - Attainment - All Cycle Test | | | | | | | | | | | | | | |
|--------------------------------------|------|------|------|------|------|------|------|------|------|-------------|-------|-------|-------|-------|
| CO | PO 1 | PO 2 | PO 3 | PO 4 | PO 5 | PO 6 | PO 7 | PO 8 | PO 9 | PO 10 | PO 11 | PO 12 | PSO 1 | PSO 2 |
| C101.1 | - | - | - | - | - | - | - | - | - | 0.00 | - | - | - | - |
| C101.2 | - | - | - | - | - | - | - | - | - | 1.33 | - | - | - | - |
| C101.3 | - | - | - | - | - | - | - | - | - | 2.00 | - | - | - | - |
| C101.4 | - | - | - | - | - | - | - | - | - | 2.00 | - | - | - | - |
| C101.5 | - | - | - | - | - | - | - | - | - | 2.00 | - | - | - | - |
| C101 | - | - | - | - | - | - | - | - | - | 1.47 | - | - | - | - |

| Direct Attainment Level for the course SH2101-Technical English | | | | | | | | | | | | | | |
|---|------|------|------|------|------|------|------|------|------|-------------|-------|-------|-------|-------|
| CO | PO 1 | PO 2 | PO 3 | PO 4 | PO 5 | PO 6 | PO 7 | PO 8 | PO 9 | PO 10 | PO 11 | PO 12 | PSO 1 | PSO 2 |
| End Sem | - | - | - | - | - | - | - | - | - | 2.00 | - | - | - | - |
| Internal | - | - | - | - | - | - | - | - | - | 1.52 | - | - | - | - |
| Direct Attainment | - | - | - | - | - | - | - | - | - | 1.81 | - | - | - | - |

| |
|----------------------|
| Direct Attainment |
| 1.81 |

Staff Incharge

Chairperson

HoD

| CO No | Course Outcomes | Assessment Tools | Weightage (in %) | Course Outcome Contribution to Programme Outcomes & Program Specific Outcome | | | | | | | | | | | | | CO Attainment Level | Attainment Level in % | Target Attained 60 | | | |
|-------------|--|--------------------------|------------------|--|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|---------------------|-----------------------|---------------------|-------|--------------|--------------|
| | | | | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | PO11 | PO12 | PSO1 | | | | PSO2 | | |
| C101.1 | Utilize basic grammatical skills in writing instructions. | Cycle Test 1 | 60 | - | - | - | - | - | - | - | - | - | - | - | 0.00 | - | - | - | - | 0.80 | 26.67 | Not Attained |
| | | Assignment 1 | 40 | - | - | - | - | - | - | - | - | - | - | - | 0.80 | - | - | - | - | | | |
| | | | 0 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | | |
| | | | 0 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | | |
| | CO 1 - Attainment | | | - | - | - | - | - | - | - | - | - | - | 0.80 | - | - | - | - | | | | |
| C101.2 | Apply acquired knowledge of Grammar to prepare paragraphs | Cycle Test 1 | 60 | - | - | - | - | - | - | - | - | - | - | 0.80 | - | - | - | - | 1.60 | 53.33 | Not Attained | |
| | | Assignment 1 | 40 | - | - | - | - | - | - | - | - | - | - | 0.80 | - | - | - | - | | | | |
| | | | 0 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | | | |
| | | | 0 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | | | |
| | CO 2 - Attainment | | | - | - | - | - | - | - | - | - | - | - | 1.60 | - | - | - | - | | | | |
| C101.3 | Develop reading skills by familiarizing with different types of reading strategies | Cycle Test 2 | 100 | - | - | - | - | - | - | - | - | - | - | 1.20 | - | - | - | - | 1.20 | 40.00 | Not Attained | |
| | | | 0 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | | | |
| | | | 0 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | | | |
| | | | 0 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | | | |
| | CO 3 - Attainment | | | - | - | - | - | - | - | - | - | - | - | 1.20 | - | - | - | - | | | | |
| C101.4 | Demonstrate proper usage of grammar in formal writing | Cycle Test 2&3 | 60 | - | - | - | - | - | - | - | - | - | - | 1.20 | - | - | - | - | 2.00 | 66.67 | Attained | |
| | | Assignment 2 | 40 | - | - | - | - | - | - | - | - | - | - | 0.80 | - | - | - | - | | | | |
| | | | 0 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | | | |
| | | | 0 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | | | |
| | CO 4 - Attainment | | | - | - | - | - | - | - | - | - | - | - | 2.00 | - | - | - | - | | | | |
| C101.5 | Make use of communicative English in conversations | Cycle Test 3 | 60 | - | - | - | - | - | - | - | - | - | - | 1.20 | - | - | - | - | 2.00 | 66.67 | Attained | |
| | | Assignment 3 | 40 | - | - | - | - | - | - | - | - | - | - | 0.80 | - | - | - | - | | | | |
| | | | 0 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | | | |
| | | | 0 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | | | |
| | CO 5 - Attainment | | | - | - | - | - | - | - | - | - | - | - | 2.00 | - | - | - | - | | | | |
| C101 | Technical English | All CO Attainment | | The Course Outcome Attainment Level for the subject SH2101-Technical English for the Internal Assessments | | | | | | | | | | | | | 1.52 | 50.67 | Not Attained | | | |

| CO No | Course Outcomes | Internal Assessment Attainment Contributions to Programme Outcomes & Program Specific Outcome | | | | | | | | | | | | | | | | |
|--------|--|---|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|------|---|---|---|
| | | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | PO11 | PO12 | PSO1 | PSO2 | | | |
| C101.1 | Utilize basic grammatical skills in writing instructions. | - | - | - | - | - | - | - | - | - | - | - | - | 0.80 | - | - | - | - |
| C101.2 | Apply acquired knowledge of Grammar to prepare paragraphs | - | - | - | - | - | - | - | - | - | - | - | - | 1.60 | - | - | - | - |
| C101.3 | Develop reading skills by familiarizing with different types of reading strategies | - | - | - | - | - | - | - | - | - | - | - | - | 1.20 | - | - | - | - |
| C101.4 | Demonstrate proper usage of grammar in formal writing | - | - | - | - | - | - | - | - | - | - | - | - | 2.00 | - | - | - | - |
| C101.5 | Make use of communicative English in conversations | - | - | - | - | - | - | - | - | - | - | - | - | 2.00 | - | - | - | - |
| | CO Attainment (Internal Assessment) | - | - | - | - | - | - | - | - | - | - | - | - | 1.52 | - | - | - | - |

Internal Assessment Attainment Level
1.52

| CO No | Course Outcomes | End Semester Examination Attainment Contributions to Programme Outcomes & Program Specific Outcome | | | | | | | | | | | | | | | | |
|--------|--|--|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|------|---|---|---|
| | | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | PO11 | PO12 | PSO1 | PSO2 | | | |
| C101.1 | Utilize basic grammatical skills in writing instructions. | - | - | - | - | - | - | - | - | - | - | - | - | 2.00 | - | - | - | - |
| C101.2 | Apply acquired knowledge of Grammar to prepare paragraphs | - | - | - | - | - | - | - | - | - | - | - | - | 2.00 | - | - | - | - |
| C101.3 | Develop reading skills by familiarizing with different types of reading strategies | - | - | - | - | - | - | - | - | - | - | - | - | 2.00 | - | - | - | - |
| C101.4 | Demonstrate proper usage of grammar in formal writing | - | - | - | - | - | - | - | - | - | - | - | - | 2.00 | - | - | - | - |
| C101.5 | Make use of communicative English in conversations | - | - | - | - | - | - | - | - | - | - | - | - | 2.00 | - | - | - | - |
| | CO Attainment (End Semester Examination) | - | - | - | - | - | - | - | - | - | - | - | - | 2.00 | - | - | - | - |

End Sem Exam Attainment Level
2.00

Over ALL
Direct Attainment Level (60% End Sem + 40% Internal)
1.81

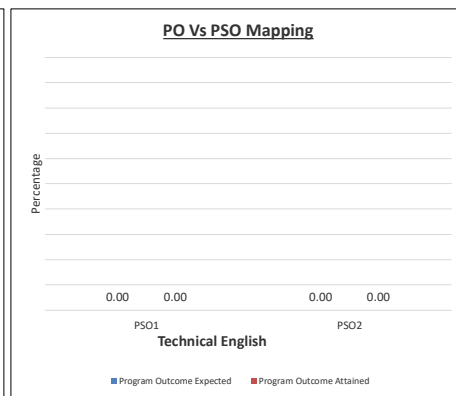
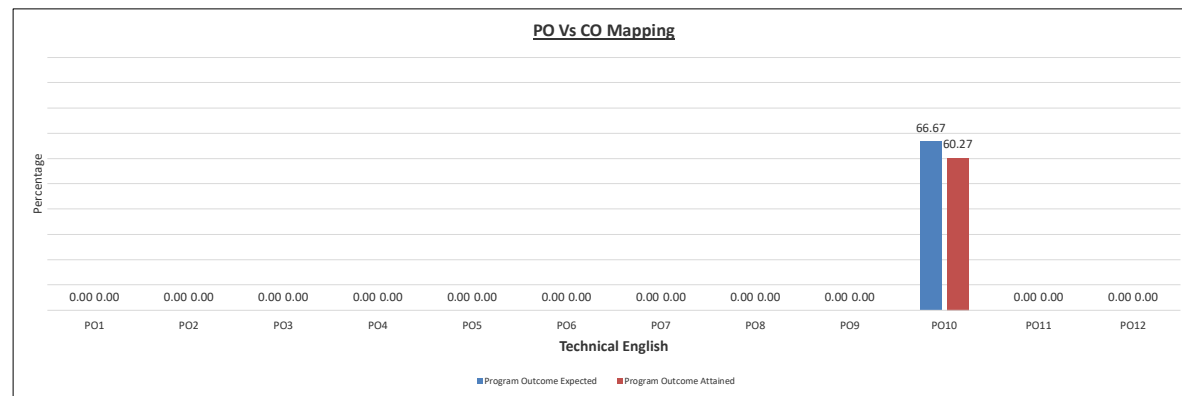
| CO No | Course Outcomes | Assessment Tools | Weightage (in %) | Contribution to Programme Outcomes & Program Specific Outcome | | | | | | | | | | | | | | |
|-------|--|--------------------------|------------------|---|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|------|---|
| | | | | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | PO11 | PO12 | PSO1 | PSO2 | |
| 1 | Utilize basic grammatical skills in writing instructions. | End Semester Result | 60 | - | - | - | - | - | - | - | - | - | - | 1.20 | - | - | - | - |
| | | Internal Assessment | 40 | - | - | - | - | - | - | - | - | - | - | 0.32 | - | - | - | - |
| | | CO 1 - Direct Attainment | | - | - | - | - | - | - | - | - | - | - | 1.52 | - | - | - | - |
| 2 | Apply acquired knowledge of Grammar to prepare paragraphs | End Semester Result | 60 | - | - | - | - | - | - | - | - | - | - | 1.20 | - | - | - | - |
| | | Internal Assessment | 40 | - | - | - | - | - | - | - | - | - | - | 0.64 | - | - | - | - |
| | | CO 2 - Direct Attainment | | - | - | - | - | - | - | - | - | - | - | 1.84 | - | - | - | - |
| 3 | Develop reading skills by familiarizing with different types of reading strategies | End Semester Result | 60 | - | - | - | - | - | - | - | - | - | - | 1.20 | - | - | - | - |
| | | Internal Assessment | 40 | - | - | - | - | - | - | - | - | - | - | 0.48 | - | - | - | - |
| | | CO 3 - Direct Attainment | | - | - | - | - | - | - | - | - | - | - | 1.68 | - | - | - | - |
| 4 | Demonstrate proper usage of grammar in formal writing | End Semester Result | 60 | - | - | - | - | - | - | - | - | - | - | 1.20 | - | - | - | - |
| | | Internal Assessment | 40 | - | - | - | - | - | - | - | - | - | - | 0.80 | - | - | - | - |
| | | CO 4 - Direct Attainment | | - | - | - | - | - | - | - | - | - | - | 2.00 | - | - | - | - |
| 5 | Make use of communicative English in conversations | End Semester Result | 60 | - | - | - | - | - | - | - | - | - | - | 1.20 | - | - | - | - |
| | | Internal Assessment | 40 | - | - | - | - | - | - | - | - | - | - | 0.80 | - | - | - | - |
| | | CO 5 - Direct Attainment | | - | - | - | - | - | - | - | - | - | - | 2.00 | - | - | - | - |

| CO No | Course Outcomes | Direct Attainment of PO vs CO | | | | | | | | | | | | | | | |
|-------------|--|-------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|------|------|-------------|------|------|---|---|
| | | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | PO11 | PO12 | PSO1 | PSO2 | | |
| 1 | Utilize basic grammatical skills in writing instructions. | - | - | - | - | - | - | - | - | - | - | - | 1.52 | - | - | - | - |
| 2 | Apply acquired knowledge of Grammar to prepare paragraphs | - | - | - | - | - | - | - | - | - | - | - | 1.84 | - | - | - | - |
| 3 | Develop reading skills by familiarizing with different types of reading strategies | - | - | - | - | - | - | - | - | - | - | - | 1.68 | - | - | - | - |
| 4 | Demonstrate proper usage of grammar in formal writing | - | - | - | - | - | - | - | - | - | - | - | 2.00 | - | - | - | - |
| 5 | Make use of communicative English in conversations | - | - | - | - | - | - | - | - | - | - | - | 2.00 | - | - | - | - |
| C101 | Technical English | - | - | - | - | - | - | - | - | - | - | - | 1.81 | - | - | - | - |

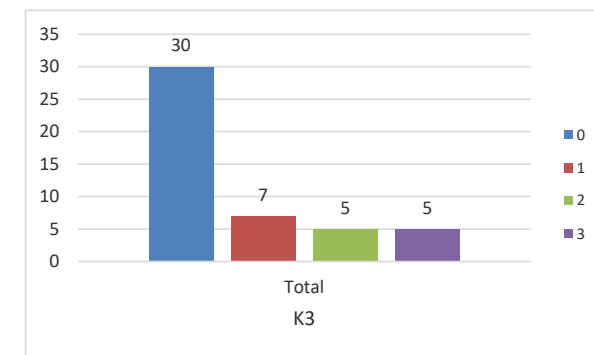
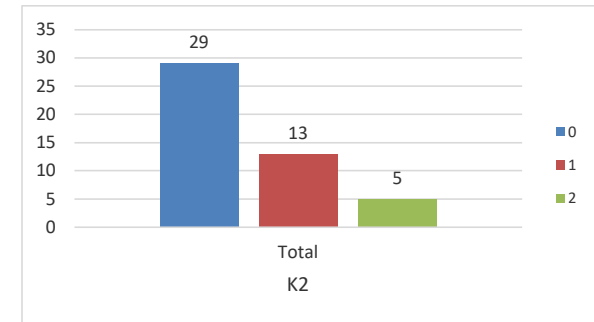
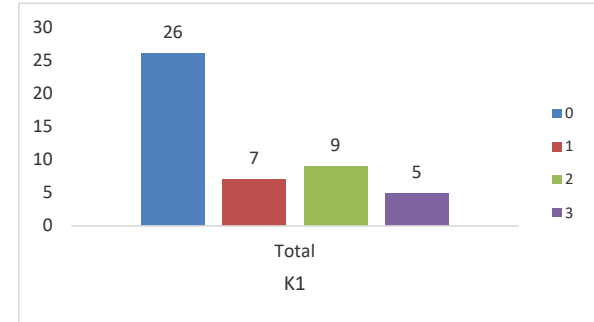
DIRECT ATTAINMENT OF CO

| CO NO | For the Particular Course | For All Pos | Direct Attainment of PO vs CO | | | | | | | | | | | | | | | |
|-------|---------------------------|-------------|-------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|------|---|---|
| | | | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | PO11 | PO12 | PSO1 | PSO2 | | |
| C101 | Technical English | Expected | 2 | - | - | - | - | - | - | - | - | - | - | 2 | - | - | - | - |
| | | Attained | 1.81 | - | - | - | - | - | - | - | - | - | - | - | 1.81 | - | - | - |

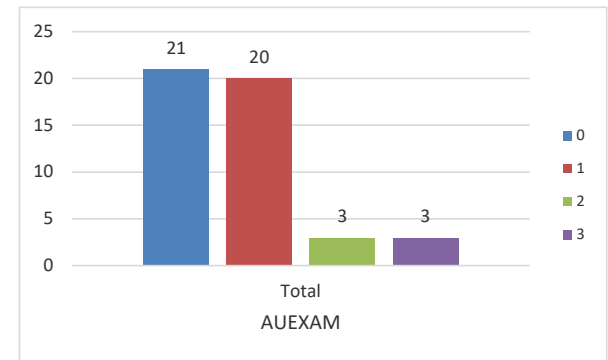
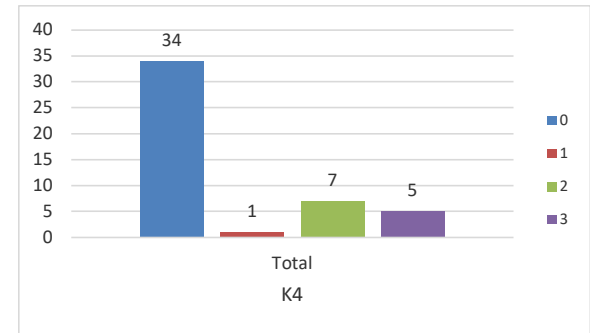
| CO NO | For the Particular Course (in terms of percentage) | Direct Attainment of PO vs CO | | | | | | | | | | | | | | | | |
|-------|---|-------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|-------|-------|---|---|---|
| | | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | PO11 | PO12 | PSO1 | PSO2 | | | |
| C101 | Technical English | Program Outcome Expected | - | - | - | - | - | - | - | - | - | - | - | 66.67 | - | - | - | - |
| | | Program Outcome Attained | - | - | - | - | - | - | - | - | - | - | - | - | 60.27 | - | - | - |



| S.No | Registration No | Roll No | Name | K1 | K2 | K3 | K4 | K5 | Avg | AUEXAM |
|------|-----------------|--------------|----------------|----|----|----|----|----|-----|--------|
| 1 | 23UCI002 | 920423103006 | PAVITHRA U | | | 2 | | | 2 | 2 |
| 2 | 23UCI004 | 920423103008 | VEERAAATHI M | | | 0 | | | 0 | 0 |
| 3 | 23UCI005 | 920423103007 | RISHIVARMA GS | | | 0 | | | 0 | 0 |
| 4 | 23UCI006 | 920423103002 | KISHORE E | | | 0 | | | 0 | 0 |
| 5 | 23UCI007 | 920423103003 | MADHAN KUMAR V | | | 2 | | | 2 | 0 |
| 6 | 23UCI008 | 920423103004 | MANONMANI S | | | 1 | | | 1 | 0 |
| 7 | 23UCI009 | 920423103001 | HARIHARAN G | | | 1 | | | 1 | 0 |
| 8 | 23UCI010 | 920423103005 | NITHYA SRI N M | | | 1 | | | 1 | 0 |
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|---------------|---------------|
| Course | B.E. |
| Year & Branch | II CSE C |
| Semester | 3 |
| Staff Name | Mr. D. Raj |
| Academic Year | 2023-2024 ODD |
| Regulation | R 2021 |

Please Enter the PO - CO Mapping for the subject

| | | | |
|---------------|--------------------------------------|-------------|------------|
| Cycle Test No | 1 | 2 | 3 |
| Date of Exam | 06.09.2023 | 18.10.2023 | 18.11.2023 |
| Subject Name | System Software and Operating System | | |
| Subject Code | CS2203 | Course Code | 21CSC203 |

| | |
|---|------|
| Enter the Internal Target Value | 60 % |
| Enter the University Grade Target Value | B+ |

| CO | Course Outcome | P01 | P02 | P03 | P04 | P05 | P06 | P07 | P08 | P09 | P010 | P011 | P012 | PS01 | PS02 |
|----------------|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|------|
| 21CSC203 .1 | Explain the Different Types of System software and its use. | M | M | L | M | L | - | - | - | - | - | - | L | M | L |
| 21CSC203 .2 | Illustrate the concepts of Process and, threads, CPU Scheduling Algorithms. | M | M | L | M | L | - | - | - | - | - | - | L | M | L |
| 21CSC203 .3 | Explain the Algorithms used for concurrency and dead lock handling. | M | M | L | M | L | - | - | - | - | - | - | L | M | L |
| 21CSC203 .4 | Make the use of Various Memory Management Schemes | M | M | L | M | L | - | - | - | - | - | - | L | M | L |
| 21CSC203 .5 | Demonstrate the concepts of File System. | M | M | L | M | L | - | - | - | - | - | - | L | M | L |

| CO No | Course Outcome | Assessment Tools | | | |
|----------|---|------------------|--------------|---|---|
| | | 1 | 2 | 3 | 4 |
| 21CSC203 | Explain the Different Types of System software and its use. | Cycle Test 1 | Assignment 1 | | |
| 21CSC203 | Illustrate the concepts of Process and, threads, CPU Scheduling Algorithms. | Cycle Test 1 & 2 | | | |
| 21CSC203 | Explain the Algorithms used for concurrency and dead lock handling. | Cycle Test 2 | Assignment 2 | | |
| 21CSC203 | Make the use of Various Memory Management Schemes | Cycle Test 3 | | | |
| 21CSC203 | Demonstrate the concepts of File System. | Cycle Test 3 | Assignment 3 | | |

| Cycle Test - CO wise Coverage | | | |
|-------------------------------|-----|-----|--|
| 1 | 2 | 3 | |
| 100 | | | |
| 50 | 50 | | |
| | 100 | | |
| | | 100 | |
| | | 100 | |

| Assesment Tools (Weightages in %) | | | | | Verified |
|------------------------------------|----|---|---|--|----------|
| 1 | 2 | 3 | 4 | | |
| 60 | 40 | | | | 100 |
| 100 | | | | | 100 |
| 60 | 40 | | | | 100 |
| 100 | | | | | 100 |
| 50 | 40 | | | | 100 |

CEPPO

| CO/PO | Course Outcomes | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | PO11 | PO12 | PO13 | PO14 | |
|-------|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|------|---|
| 1 | Explain the different types of system software and its use | 2 | 2 | 1 | 2 | 1 | | | | | | | | 1 | 2 | 1 |
| 2 | Describe the concepts of Process and threads, CPU Scheduling Algorithms | 2 | 2 | 1 | 2 | 1 | | | | | | | | 1 | 2 | 1 |
| 3 | Explain the Algorithms used for concurrency and dead lock handling | 2 | 2 | 1 | 2 | 1 | | | | | | | | 1 | 2 | 1 |
| 4 | Make the use of various Memory Management Schemes | 2 | 2 | 1 | 2 | 1 | | | | | | | | 1 | 2 | 1 |
| 5 | Demonstrate the concepts of File System | 2 | 2 | 1 | 2 | 1 | | | | | | | | 1 | 2 | 1 |
| | Average | 2 | 2 | 1 | 2 | 1 | | | | | | | | 1 | 2 | 1 |

| CO No | Course Outcomes | Assessment Tech | Weightage (in %) | Course Outcome Contribution to Programme Outcomes & Program Specific Outcome | | | | | | | | | | | | | CO Attainment Level | Assessment Level in % | | | |
|---------|---|-------------------|--|--|------|------|------|------|-----|-----|-----|-----|------|------|------|------|---------------------|-----------------------|-------|--------------|---|
| | | | | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | PO11 | PO12 | PSO1 | | | | PSO2 | |
| 1CSC203 | Explain the Different Types of System software and its use. | Cycle Test 1 | 60 | 0.40 | 0.40 | 0.20 | 0.40 | 0.20 | - | - | - | - | - | - | 0.20 | 0.40 | 0.20 | 0.90 | 30.00 | Not Attained | |
| | | Assignment 1 | 40 | 0.80 | 0.80 | 0.40 | 0.80 | 0.40 | - | - | - | - | - | - | 0.40 | 0.80 | 0.40 | | | | |
| | | | 0 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | | | - |
| | | CO 3 - Attainment | 0 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | | | |
| 1CSC203 | Illustrate the concepts of Process and, threads , CPU Scheduling Algorithms . | Cycle Test 1 & 2 | 100 | 0.40 | 0.40 | 0.20 | 0.40 | 0.20 | - | - | - | - | - | - | 0.60 | 1.20 | 0.60 | 0.30 | 10.00 | Not Attained | |
| | | | 0 | - | - | - | - | - | - | - | - | - | - | - | 0.20 | 0.40 | 0.20 | | | | |
| | | | 0 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | | | |
| | | CO 2 - Attainment | 0 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | | | |
| 1CSC203 | Explain the Algorithms used for concurrency and dead lock handling | Cycle Test 2 | 60 | 0.40 | 0.40 | 0.20 | 0.40 | 0.20 | - | - | - | - | - | - | 0.20 | 0.40 | 0.20 | 0.90 | 30.00 | Not Attained | |
| | | Assignment 2 | 40 | 0.80 | 0.80 | 0.40 | 0.80 | 0.40 | - | - | - | - | - | - | 0.40 | 0.80 | 0.40 | | | | |
| | | | 0 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | | | |
| | | CO 3 - Attainment | 0 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | | | |
| 1CSC203 | Make the use of Various Memory Management Schemes | Cycle Test 3 | 100 | 1.20 | 1.20 | 0.60 | 1.20 | 0.60 | - | - | - | - | - | - | 0.60 | 1.20 | 0.60 | 0.90 | 30.00 | Not Attained | |
| | | | 0 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | | | |
| | | | 0 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | | | |
| | | CO 4 - Attainment | 0 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | | | |
| 1CSC203 | Demonstrate the concepts of File System. | Cycle Test 3 | 60 | 1.20 | 1.20 | 0.60 | 1.20 | 0.60 | - | - | - | - | - | - | 0.60 | 1.20 | 0.60 | 1.50 | 50.00 | Not Attained | |
| | | Assignment 3 | 40 | 0.80 | 0.80 | 0.40 | 0.80 | 0.40 | - | - | - | - | - | - | 0.40 | 0.80 | 0.40 | | | | |
| | | | 0 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | | | |
| | | CO 5 - Attainment | 0 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | | | |
| 1CSC203 | System Software and Operating System | All CO Attainment | The Course Outcome Attainment Level for the subject CS2203-System Software and Operating System for the Internal Assessments | | | | | | | | | | | | | 0.90 | 30.00 | Not Attained | | | |

| CO No | Course Outcomes | Internal Assessment Attainment Contributions to Programme Outcomes & Program Specific Outcome | | | | | | | | | | | | | | |
|---------|---|---|------|------|------|------|-----|-----|-----|-----|------|------|------|------|------|------|
| | | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | PO11 | PO12 | PSO1 | PSO2 | |
| 1CSC203 | Explain the Different Types of System software and its use | 1.20 | 1.20 | 0.60 | 1.20 | 0.60 | - | - | - | - | - | - | - | 0.60 | 1.20 | 0.60 |
| 1CSC203 | Illustrate the concepts of Process and, threads , CPU Scheduling Algorithms . | 0.40 | 0.40 | 0.20 | 0.40 | 0.20 | - | - | - | - | - | - | - | 0.20 | 0.40 | 0.20 |
| 1CSC203 | Explain the Algorithms used for concurrency and dead lock handling | 1.20 | 1.20 | 0.60 | 1.20 | 0.60 | - | - | - | - | - | - | - | 0.60 | 1.20 | 0.60 |
| 1CSC203 | Make the use of Various Memory Management Schemes | 1.20 | 1.20 | 0.60 | 1.20 | 0.60 | - | - | - | - | - | - | - | 0.60 | 1.20 | 0.60 |
| 1CSC203 | Demonstrate the concepts of File System | 2.00 | 2.00 | 1.00 | 2.00 | 1.00 | - | - | - | - | - | - | - | 1.00 | 2.00 | 1.00 |
| | CO Attainment (Internal Assessment) | 1.20 | 1.20 | 0.60 | 1.20 | 0.60 | - | - | - | - | - | - | - | 0.60 | 1.20 | 0.60 |

Internal Assessment Attainment Level
0.90

| CO No | Course Outcomes | End Semester Examination Attainment Contributions to Programme Outcomes & Program Specific Outcome | | | | | | | | | | | | | | |
|---------|---|--|------|------|------|------|-----|-----|-----|-----|------|------|------|------|------|------|
| | | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | PO11 | PO12 | PSO1 | PSO2 | |
| 1CSC203 | Explain the Different Types of System software and its use | 2.00 | 2.00 | 1.00 | 2.00 | 1.00 | - | - | - | - | - | - | - | 1.00 | 2.00 | 1.00 |
| 1CSC203 | Illustrate the concepts of Process and, threads , CPU Scheduling Algorithms . | 2.00 | 2.00 | 1.00 | 2.00 | 1.00 | - | - | - | - | - | - | - | 1.00 | 2.00 | 1.00 |
| 1CSC203 | Explain the Algorithms used for concurrency and dead lock handling | 2.00 | 2.00 | 1.00 | 2.00 | 1.00 | - | - | - | - | - | - | - | 1.00 | 2.00 | 1.00 |
| 1CSC203 | Make the use of Various Memory Management Schemes | 2.00 | 2.00 | 1.00 | 2.00 | 1.00 | - | - | - | - | - | - | - | 1.00 | 2.00 | 1.00 |
| 1CSC203 | Demonstrate the concepts of File System | 2.00 | 2.00 | 1.00 | 2.00 | 1.00 | - | - | - | - | - | - | - | 1.00 | 2.00 | 1.00 |
| | CO Attainment (End Semester Examination) | 2.00 | 2.00 | 1.00 | 2.00 | 1.00 | - | - | - | - | - | - | - | 1.00 | 2.00 | 1.00 |

End Sem Exam Attainment Level
1.50

Over ALL Direct Attainment Level (in %)
(End Sem + 20% Internal)
1.38

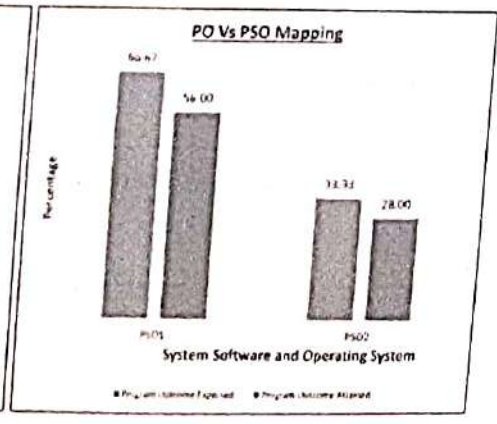
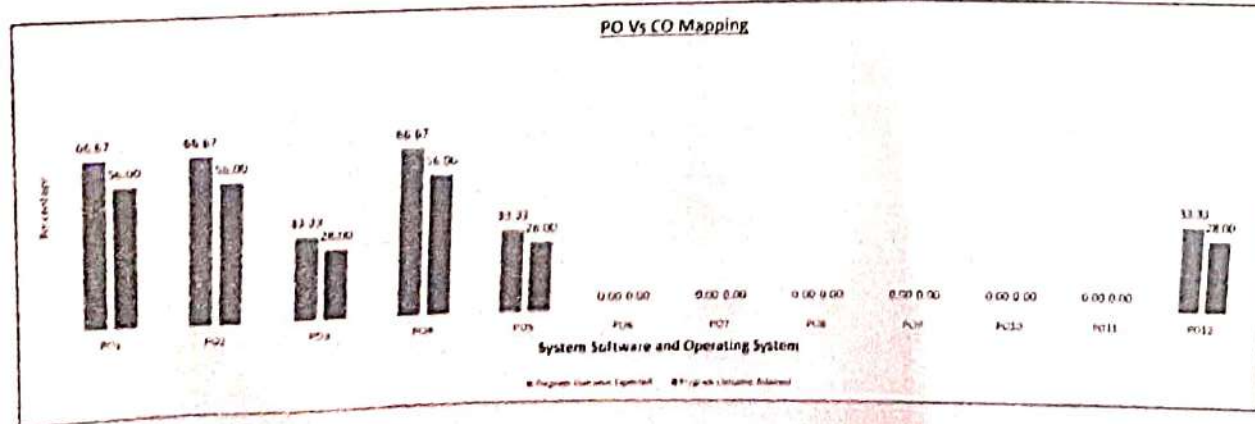
| CO No | Course Outcomes | Assessment Tools | Weightage (in %) | Contribution to Programme Outcomes & Program Specific Outcome | | | | | | | | | | | | | |
|-------|---|--------------------------|------------------|---|------|------|------|------|-----|-----|-----|-----|------|------|------|------|------|
| | | | | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | PO11 | PO12 | PSO1 | PSO2 |
| 1 | Explain the Different Types of System software and its use. | End Semester Result | 60 | 1.20 | 1.20 | 0.60 | 1.20 | 0.60 | - | - | - | - | - | - | - | - | - |
| | | Internal Assessment | 40 | 0.48 | 0.48 | 0.24 | 0.48 | 0.24 | - | - | - | - | - | - | - | - | - |
| | | CO 1 - Direct Attainment | | 1.68 | 1.68 | 0.84 | 1.68 | 0.84 | - | - | - | - | - | - | 0.60 | 1.20 | 0.60 |
| 2 | Illustrate the concepts of Process and, threads , CPU Scheduling Algorithms | End Semester Result | 60 | 1.20 | 1.20 | 0.60 | 1.20 | 0.60 | - | - | - | - | - | - | - | - | - |
| | | Internal Assessment | 40 | 0.16 | 0.16 | 0.08 | 0.16 | 0.08 | - | - | - | - | - | - | - | - | - |
| | | CO 2 - Direct Attainment | | 1.36 | 1.36 | 0.68 | 1.36 | 0.68 | - | - | - | - | - | - | 0.08 | 0.16 | 0.08 |
| 3 | Explain the Algorithms used for concurrency and dead lock handling | End Semester Result | 60 | 1.20 | 1.20 | 0.60 | 1.20 | 0.60 | - | - | - | - | - | - | - | - | - |
| | | Internal Assessment | 40 | 0.48 | 0.48 | 0.24 | 0.48 | 0.24 | - | - | - | - | - | - | - | - | - |
| | | CO 3 - Direct Attainment | | 1.68 | 1.68 | 0.84 | 1.68 | 0.84 | - | - | - | - | - | - | 0.24 | 0.48 | 0.24 |
| 4 | Make the use of Various Memory Management Schemes | End Semester Result | 60 | 1.20 | 1.20 | 0.60 | 1.20 | 0.60 | - | - | - | - | - | - | - | - | - |
| | | Internal Assessment | 40 | 0.48 | 0.48 | 0.24 | 0.48 | 0.24 | - | - | - | - | - | - | - | - | - |
| | | CO 4 - Direct Attainment | | 1.68 | 1.68 | 0.84 | 1.68 | 0.84 | - | - | - | - | - | - | 0.24 | 0.48 | 0.24 |
| 5 | Demonstrate the concepts of File System. | End Semester Result | 60 | 1.20 | 1.20 | 0.60 | 1.20 | 0.60 | - | - | - | - | - | - | - | - | - |
| | | Internal Assessment | 40 | 0.80 | 0.80 | 0.40 | 0.80 | 0.40 | - | - | - | - | - | - | - | - | - |
| | | CO 5 - Direct Attainment | | 2.00 | 2.00 | 1.00 | 2.00 | 1.00 | - | - | - | - | - | - | 0.40 | 0.80 | 0.40 |

| CO No | Course Outcomes | Direct Attainment of PO vs CO | | | | | | | | | | | | | | |
|--------|---|-------------------------------|------|------|------|------|-----|-----|-----|-----|------|------|------|------|------|------|
| | | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | PO11 | PO12 | PSO1 | PSO2 | |
| 1 | Explain the Different Types of System software and its use | 1.68 | 1.68 | 0.84 | 1.68 | 0.84 | - | - | - | - | - | - | - | 0.84 | 1.68 | 0.84 |
| 2 | Illustrate the concepts of Process and, threads , CPU Scheduling Algorithms | 1.36 | 1.36 | 0.68 | 1.36 | 0.68 | - | - | - | - | - | - | - | 0.68 | 1.36 | 0.68 |
| 3 | Explain the Algorithms used for concurrency and dead lock handling | 1.68 | 1.68 | 0.84 | 1.68 | 0.84 | - | - | - | - | - | - | - | 0.84 | 1.68 | 0.84 |
| 4 | Make the use of Various Memory Management Schemes | 1.68 | 1.68 | 0.84 | 1.68 | 0.84 | - | - | - | - | - | - | - | 0.84 | 1.68 | 0.84 |
| 5 | Demonstrate the concepts of File System. | 2.00 | 2.00 | 1.00 | 2.00 | 1.00 | - | - | - | - | - | - | - | 1.00 | 2.00 | 1.00 |
| 1CSC20 | System Software and Operating System | 1.68 | 1.68 | 0.84 | 1.68 | 0.84 | - | - | - | - | - | - | - | 0.84 | 1.68 | 0.84 |

DIRECT ATTAINMENT OF CO

| CO NO | For the Particular Course | For All Pos | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | PO11 | PO12 | PSO1 | PSO2 |
|-------|---------------------------|-------------|--------|--------------------------------------|----------|------|------|-----|-----|-----|-----|------|------|------|------|------|
| | | | 1CSC20 | System Software and Operating System | Expected | 1.5 | 2 | 1 | 2 | 1 | - | - | - | - | - | - |
| | | Attained | 1.26 | 1.68 | 0.84 | 1.68 | 0.84 | - | - | - | - | - | - | 0.84 | 1.68 | 0.84 |

| CO NO | For the Particular Course (in terms of percentage) | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | PO11 | PO12 | PSO1 | PSO2 | |
|-------|---|--------------------------|--------------------------------------|--------------------------|-------|-------|-------|-------|-------|-----|------|------|------|-------|-------|-------|
| | | 1CSC20 | System Software and Operating System | Program Outcome Expected | 66.67 | 66.67 | 33.33 | 66.67 | 33.33 | - | - | - | - | - | - | 33.33 |
| | | Program Outcome Attained | 56.00 | 56.00 | 28.00 | 56.00 | 28.00 | - | - | - | - | - | - | 28.00 | 56.00 | 28.00 |



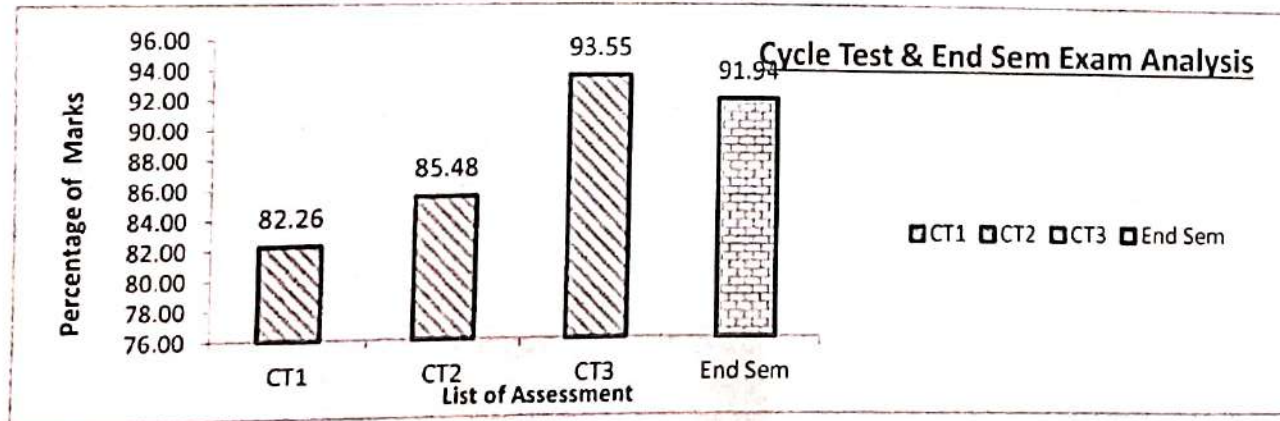
| | |
|--------------------|--------------------------------------|
| Subject Name | System Software and Operating System |
| Subject Code | CS2203 |
| Year and Branch | II CSE C |
| Subject Handled by | Mr. D. Raj |

| | | | |
|---------------|-----------------|------------|------------|
| Cycle Test No | 1 | 2 | 3 |
| Date of Exam | 06.09.2023 3 | 18.10.2023 | 18.11.2023 |

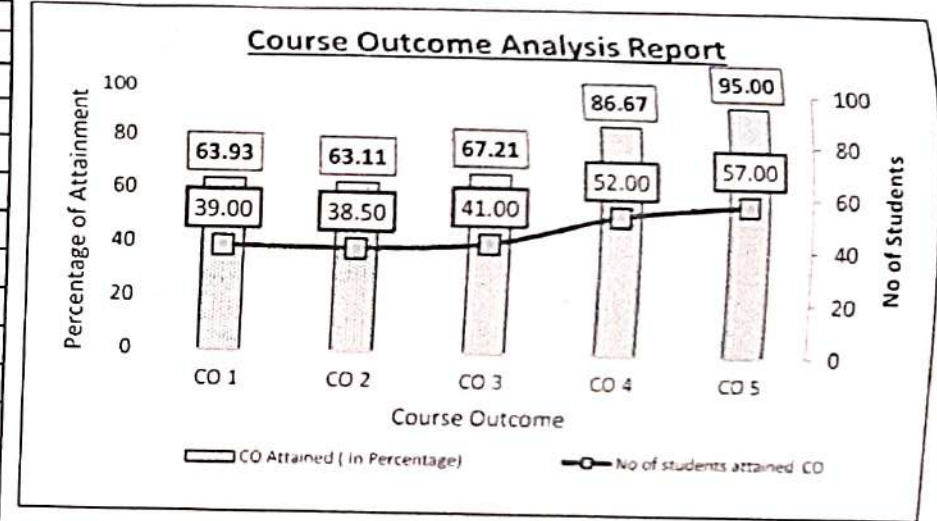
| Exam Analysis | CT1 | CT2 | CT3 | End Sem |
|-----------------------|-------|-------|-------|---------|
| Total No of Students | 62 | 62 | 62 | 62 |
| No of Students Pass | 51 | 53 | 58 | 57 |
| No of Students Fail | 10 | 8 | 2 | 5 |
| No of Students Absent | 1 | 1 | 2 | 0 |
| Total Attended | 61 | 61 | 60 | 62 |
| Maximum Mark/ Grade | 96 | 94 | 98 | A+ |
| Average Mark/ GPA | 62.59 | 62.03 | 82.30 | 6.97 |

| Assessment Analysis | CT1 | CT2 | CT3 | End Sem Result |
|--------------------------|-----|-----|-----|----------------|
| No. of students above 90 | 4 | 3 | 23 | O --> 0 |
| No. of students 80-89 | 12 | 13 | 19 | A+ --> 6 |
| No. of students 70-79 | 8 | 7 | 7 | A --> 29 |
| No. of students 60-69 | 15 | 12 | 4 | B+ --> 15 |
| No. of students 50-59 | 12 | 18 | 5 | B --> 6 |
| No. of students 40-49 | 0 | 1 | 1 | U --> 5 |
| No. of students 30-39 | 4 | 3 | 1 | --> 0 |
| No. of students 20-29 | 1 | 1 | 0 | --> - |
| No. of students 10-19 | 2 | 1 | 0 | --> - |
| No. of students 0-9 | 3 | 2 | 0 | --> - |

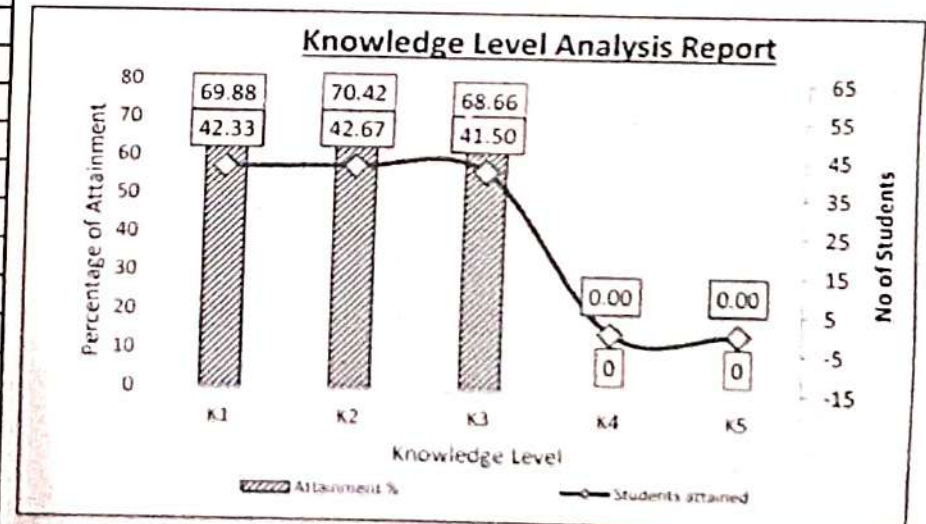
| | | | | |
|--------------------------------------|-------|-------|-------|-------|
| Pass Percentage (Based on Strength) | 82.26 | 85.48 | 93.55 | 91.94 |
| Pass Percentage (Students Attended) | 83.61 | 86.89 | 96.67 | 91.94 |

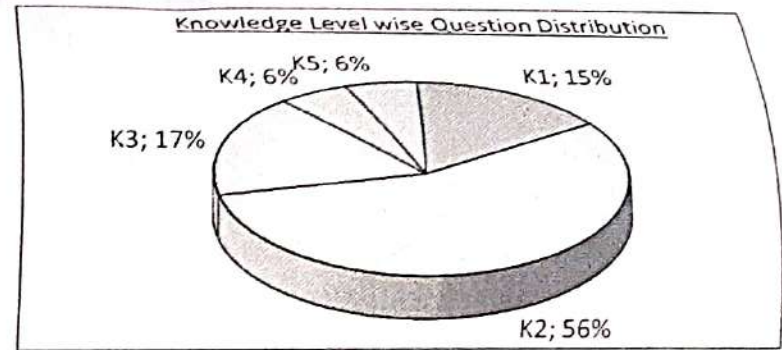
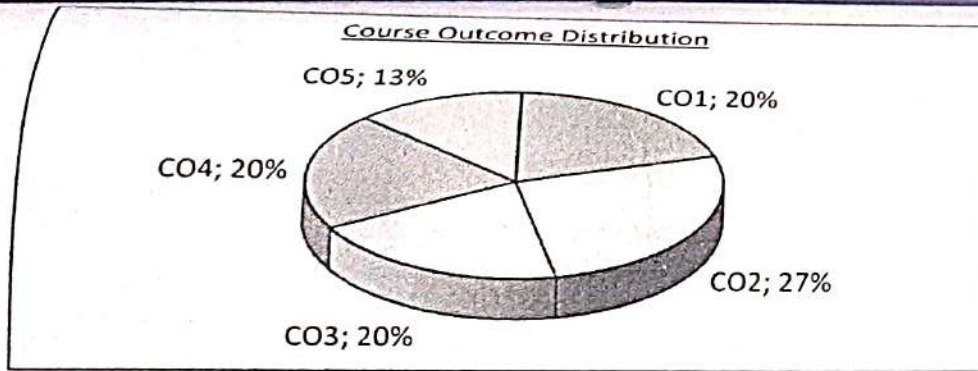


| Overall Course Outcome wise Analysis- Cycle Test | | | | | |
|--|--------|---------|---------|---------|-------|
| Particulars | CO 1 | CO 2 | CO 3 | CO 4 | CO 5 |
| Secured Full Mark | 0 | 8 | 0 | 1 | 2 |
| Secured Above Average | 45 | 84 | 44 | 52 | 56 |
| Secured Below Average | 15 | 28 | 17 | 7 | 2 |
| Secured Zero | 1 | 2 | 0 | 0 | 0 |
| CO Alloted | 1860 | 2480 | 1860 | 1860 | 1240 |
| CO Alloted (By %) | 100 | 100 | 100 | 100 | 100 |
| CO Attained | 1167 | 1573 | 1061 | 1436 | 1033 |
| CO Attained (In Percentage) | 62.74 | 63.43 | 57.04 | 77.2 | 83.31 |
| Maximum per CO | 28 | 40 | 28 | 30 | 20 |
| 60% Max of CO | 16.8 | 24 | 16.8 | 18 | 12 |
| No of students attained | 39 | 38.5 | 41 | 52 | 57 |
| CO Attainment | 63.934 | 63.1148 | 67.2131 | 86.6667 | 95 |
| Attainment Level | 1 | 1 | 1 | 3 | 3 |



| Knowledge Level wise Analysis | | | | | |
|-------------------------------|-------|--------|--------|-----|-----|
| Particulars | K1 | K2 | K3 | K4 | K5 |
| Secured Full Mark | 64 | 0 | 53 | NIL | NIL |
| Secured Above | 74 | 151 | 42 | NIL | NIL |
| Secured Below | 35 | 29 | 15 | NIL | NIL |
| Secured Zero | 9 | 2 | 11 | NIL | NIL |
| K Level Alloted | 1364 | 6820 | 992 | 0 | 0 |
| K Level Attained | 922 | 4629 | 622 | 0 | 0 |
| Attainment % | 67.6 | 67.874 | 62.702 | NA | NA |
| Maximum per Kl | 22 | 106 | 18 | 0 | 0 |
| 60% Max | 13.2 | 63.6 | 10.8 | 0 | 0 |
| Students attained | 42.33 | 42.667 | 41.5 | NIL | NIL |
| Attainment % | 69.88 | 70.42 | 68.66 | NA | NA |
| Attainment Level | 1 | 2 | 1 | NA | NA |





CO -PO - Attainment - All Cycle Test

| CO | PO 1 | PO 2 | PO 3 | PO 4 | PO 5 | PO 6 | PO 7 | PO 8 | PO 9 | PO 10 | PO 11 | PO 12 | PSO 1 | PSO 2 |
|----------|------|------|------|------|------|------|------|------|------|-------|-------|-------|-------|-------|
| Z1CSC203 | 0.67 | 0.67 | 0.33 | 0.67 | 0.33 | - | - | - | - | - | - | 0.33 | 0.67 | 0.33 |
| Z1CSC203 | 0.67 | 0.67 | 0.33 | 0.67 | 0.33 | - | - | - | - | - | - | 0.33 | 0.67 | 0.33 |
| Z1CSC203 | 0.67 | 0.67 | 0.33 | 0.67 | 0.33 | - | - | - | - | - | - | 0.33 | 0.67 | 0.33 |
| Z1CSC203 | 2.00 | 2.00 | 1.00 | 2.00 | 1.00 | - | - | - | - | - | - | 1.00 | 2.00 | 1.00 |
| Z1CSC203 | 2.00 | 2.00 | 1.00 | 2.00 | 1.00 | - | - | - | - | - | - | 1.00 | 2.00 | 1.00 |
| Z1CSC203 | 1.20 | 1.20 | 0.60 | 1.20 | 0.60 | - | - | - | - | - | - | 0.60 | 1.20 | 0.60 |

Direct Attainment Level for the course CS2203-System Software and Operating System

| CO | PO 1 | PO 2 | PO 3 | PO 4 | PO 5 | PO 6 | PO 7 | PO 8 | PO 9 | PO 10 | PO 11 | PO 12 | PSO 1 | PSO 2 |
|-------------------|------|------|------|------|------|------|------|------|------|-------|-------|-------|-------|-------|
| End Sem | 2.00 | 2.00 | 1.00 | 2.00 | 1.00 | - | - | - | - | - | - | 1.00 | 2.00 | 1.00 |
| Internal | 1.20 | 1.20 | 0.60 | 1.20 | 0.60 | - | - | - | - | - | - | 0.60 | 1.20 | 0.60 |
| Direct Attainment | 1.68 | 1.68 | 0.84 | 1.68 | 0.84 | - | - | - | - | - | - | 0.84 | 1.68 | 0.84 |

| |
|-------------------|
| Direct Attainment |
| 1.26 |

[Signature]
Staff Incharge
6/1/24

V. [Signature]
Chairperson

[Signature]
HoD

| | |
|---------------|---------------|
| Course | B.E. |
| Year & Branch | II CSE C |
| Semester | 3 |
| Staff Name | Mr. D. Raj |
| Academic Year | 2023-2024 ODD |
| Regulation | R 2021 |

| | | | |
|---------------|--------------------------------------|-------------|------------|
| Cycle Test No | 1 | 2 | 3 |
| Date of Exam | 06.09.2023 | 18.10.2023 | 18.11.2023 |
| Subject Name | System Software and Operating System | | |
| Subject Code | CS2203 | Course Code | 21CSC203 |

| | |
|---|------|
| Enter the Internal Target Value | 60 % |
| Enter the University Grade Target Value | B+ |

Please Enter the PO - CO Mapping for the subject

| CO | Course Outcome | P01 | P02 | P03 | P04 | P05 | P06 | P07 | P08 | P09 | P010 | P011 | P012 | PS01 | PS02 |
|---------------|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|------|
| 21CSC203 1 | Explain the Different Types of System software and its use. | M | M | L | M | L | - | - | - | - | - | - | L | M | L |
| 21CSC203 2 | Illustrate the concepts of Process and, threads , CPU Scheduling Algorithms . | M | M | L | M | L | - | - | - | - | - | - | L | M | L |
| 21CSC203 3 | Explain the Algorithms used for concurrency and dead lock handling | M | M | L | M | L | - | - | - | - | - | - | L | M | L |
| 21CSC203 4 | Make the use of Various Memory Management Schemes | M | M | L | M | L | - | - | - | - | - | - | L | M | L |
| 21CSC203 5 | Demonstrate the concepts of File System. | M | M | L | M | L | - | - | - | - | - | - | L | M | L |

| CO No | Course Outcome | Assessment Tools | | | |
|----------|---|------------------|--------------|---|---|
| | | 1 | 2 | 3 | 4 |
| 21CSC203 | Explain the Different Types of System software and its use. | Cycle Test 1 | Assignment 1 | | |
| 21CSC203 | Illustrate the concepts of Process and, threads , CPU Scheduling Algorithms . | Cycle Test 1 & 2 | | | |
| 21CSC203 | Explain the Algorithms used for concurrency and dead lock handling | Cycle Test 2 | Assignment 2 | | |
| 21CSC203 | Make the use of Various Memory Management Schemes | Cycle Test 3 | | | |
| 21CSC203 | Demonstrate the concepts of File System. | Cycle Test 3 | Assignment 3 | | |

| Cycle Test - CO wise Coverage | | | |
|-------------------------------|-----|-----|--|
| 1 | 2 | 3 | |
| 100 | | | |
| 50 | 50 | | |
| | 100 | | |
| | | 100 | |
| | | 100 | |

| Assesment Tools (Weightages in %) | | | | |
|------------------------------------|----|---|---|----------|
| 1 | 2 | 3 | 4 | Verified |
| 60 | 40 | | | 100 |
| 100 | | | | 100 |
| 60 | 40 | | | 100 |
| 100 | | | | 100 |
| 60 | 40 | | | 100 |

| CO NO | Course Outcomes | P01 | P02 | P03 | P04 | P05 | P06 | P07 | P08 | P09 | P010 | P011 | P012 | PS01 | PS02 |
|-------|---|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| 1 | Explain the Different Types of System software and its use. | 2 | 2 | 1 | 2 | 1 | - | - | - | - | - | - | 1 | 2 | 1 |
| 2 | Illustrate the concepts of Process and, threads , CPU Scheduling Algorithms . | 2 | 2 | 1 | 2 | 1 | - | - | - | - | - | - | 1 | 2 | 1 |
| 3 | Explain the Algorithms used for concurrency and dead lock handling | 2 | 2 | 1 | 2 | 1 | - | - | - | - | - | - | 1 | 2 | 1 |
| 4 | Make the use of Various Memory Management Schemes | 2 | 2 | 1 | 2 | 1 | - | - | - | - | - | - | 1 | 2 | 1 |
| 5 | Demonstrate the concepts of File System. | 2 | 2 | 1 | 2 | 1 | - | - | - | - | - | - | 1 | 2 | 1 |
| | Average | 2 | 2 | 1 | 2 | 1 | - | - | - | - | - | - | 1 | 2 | 1 |



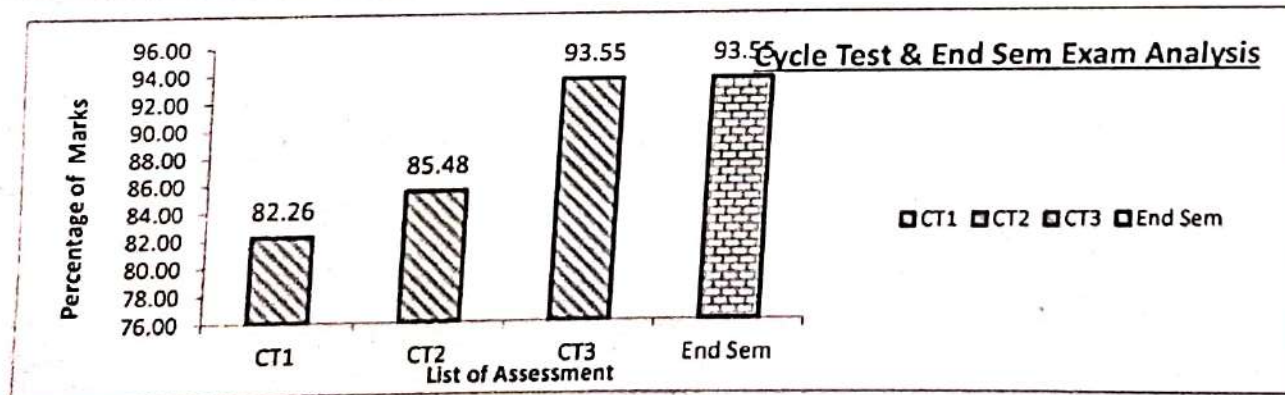
| | |
|--------------------|--------------------------------------|
| Subject Name | System Software and Operating System |
| Subject Code | CS2203 |
| Year and Branch | II CSE C |
| Subject Handled by | Mr. D. Raj |

| | | | |
|---------------|-----------------|------------|------------|
| Cycle Test No | 1 | 2 | 3 |
| Date of Exam | 06.09.2023 3 | 18.10.2023 | 18.11.2023 |

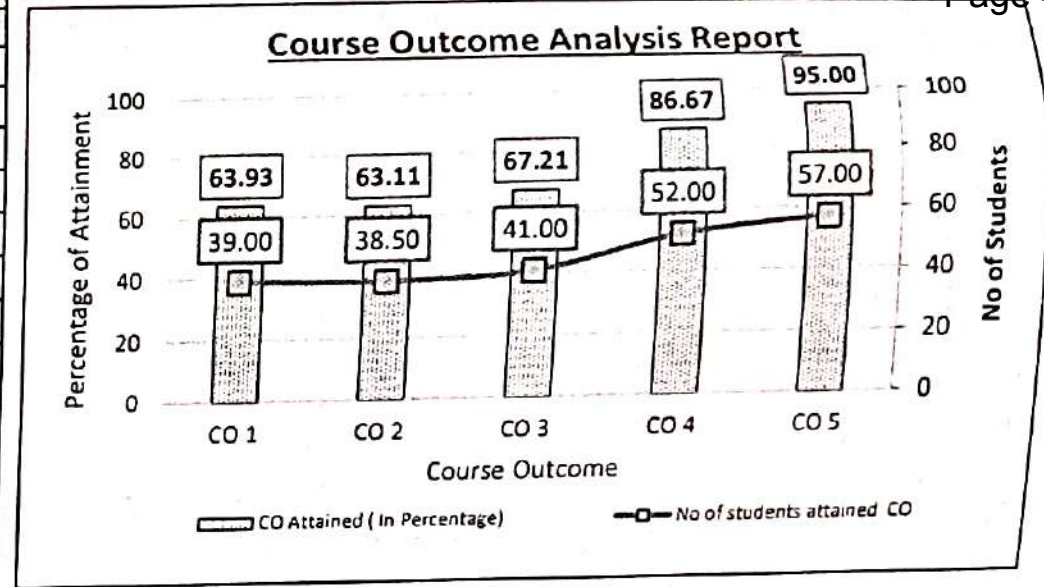
| Exam Analysis | CT1 | CT2 | CT3 | End Sem |
|-----------------------|-------|-------|-------|---------|
| Total No of Students | 62 | 62 | 62 | 62 |
| No of Students Pass | 51 | 53 | 58 | 58 |
| No of Students Fail | 10 | 8 | 2 | 4 |
| No of Students Absent | 1 | 1 | 2 | 0 |
| Total Attended | 61 | 61 | 60 | 62 |
| Maximum Mark/ Grade | 96 | 94 | 98 | A+ |
| Average Mark/ GPA | 62.59 | 62.03 | 82.30 | 7.08 |

| Assessment Analysis | CT1 | CT2 | CT3 | End Sem Result | |
|--------------------------|-----|-----|-----|----------------|----|
| No. of students above 90 | 4 | 3 | 23 | O → | 0 |
| No. of students 80-89 | 12 | 13 | 19 | A+ → | 6 |
| No. of students 70-79 | 8 | 7 | 7 | A → | 29 |
| No. of students 60-69 | 15 | 12 | 4 | B+ → | 16 |
| No. of students 50-59 | 12 | 18 | 5 | B → | 6 |
| No. of students 40-49 | 0 | 1 | 1 | U → | 4 |
| No. of students 30-39 | 4 | 3 | 1 | → | 0 |
| No. of students 20-29 | 1 | 1 | 0 | → | - |
| No. of students 10-19 | 2 | 1 | 0 | → | - |
| No. of students 0-9 | 3 | 2 | 0 | → | - |

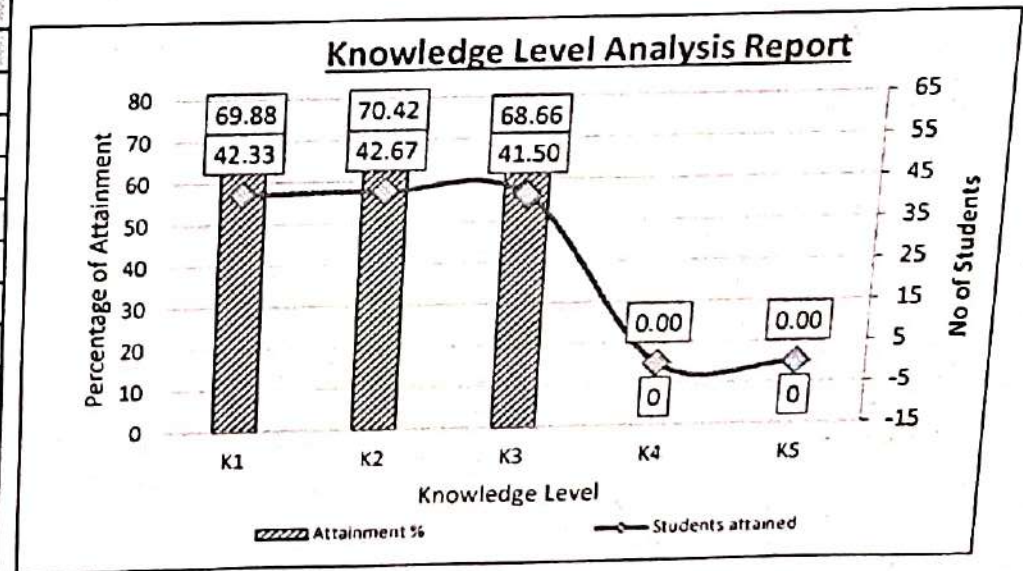
| | | | | |
|-------------------------------------|-------|-------|-------|-------|
| Pass Percentage (Based on Strength) | 82.26 | 85.48 | 93.55 | 93.55 |
| Pass Percentage (Students Attended) | 83.61 | 86.89 | 96.67 | 93.55 |



| Overall Course Outcome wise Analysis- Cycle Test | | | | | |
|--|--------|---------|---------|---------|-------|
| Particulars | CO 1 | CO 2 | CO 3 | CO 4 | CO 5 |
| Secured Full Mark | 0 | 8 | 0 | 1 | 2 |
| Secured Above Average | 45 | 84 | 44 | 52 | 56 |
| Secured Below Average | 15 | 28 | 17 | 7 | 2 |
| Secured Zero | 1 | 2 | 0 | 0 | 0 |
| CO Alloted | 1860 | 2480 | 1860 | 1860 | 1240 |
| CO Alloted (By %) | 100 | 100 | 100 | 100 | 100 |
| CO Attained | 1167 | 1573 | 1061 | 1436 | 1033 |
| CO Attained (In Percentage) | 62.74 | 63.43 | 57.04 | 77.2 | 83.31 |
| Maximum per CO | 28 | 40 | 28 | 30 | 20 |
| 60 % Max of CO | 16.8 | 24 | 16.8 | 18 | 12 |
| No of students attained | 39 | 38.5 | 41 | 52 | 57 |
| CO Attainment | 63.934 | 63.1148 | 67.2131 | 86.6667 | 95 |
| Attainment Level | 1 | 1 | 1 | 3 | 3 |



| Knowledge Level wise Analysis | | | | | |
|-------------------------------|-------|--------|--------|-----|-----|
| Particulars | K1 | K2 | K3 | K4 | K5 |
| Secured Full Mark | 64 | 0 | 53 | NIL | NIL |
| Secured Above | 74 | 151 | 42 | NIL | NIL |
| Secured Below | 35 | 29 | 15 | NIL | NIL |
| Secured Zero | 9 | 2 | 11 | NIL | NIL |
| K Level Alloted | 1364 | 6820 | 992 | 0 | 0 |
| K Level Attained | 922 | 4629 | 622 | 0 | 0 |
| Attainment % | 67.6 | 67.874 | 62.702 | NA | NA |
| Maximum per KL | 22 | 106 | 18 | 0 | 0 |
| 60 % Max | 13.2 | 63.6 | 10.8 | 0 | 0 |
| Students attained | 42.33 | 42.667 | 41.5 | NIL | NIL |
| Attainment % | 69.88 | 70.42 | 68.66 | NA | NA |
| Attainment Level | 1 | 2 | 1 | NA | NA |



| CO No | Course Outcomes | Assessment Tools | Weightage (In %) | Course Outcome Contribution to Programme Outcomes & Program Specific Outcome | | | | | | | | | | | | | CO Attainment Level | Assessment Level in % | Target Attainment 60 (2021) | | |
|---------|---|-------------------|------------------|--|------|------|------|------|-----|-----|-----|-----|------|------|------|------|---------------------|-----------------------|-----------------------------|--------------|---|
| | | | | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | PO11 | PO12 | PSO1 | | | | PSO2 | |
| 1CSC203 | Explain the Different Types of System software and its use. | Cycle Test 1 | 60 | 0.40 | 0.40 | 0.20 | 0.40 | 0.20 | - | - | - | - | - | - | 0.20 | 0.40 | 0.20 | 0.90 | 30.00 | Not Attained | |
| | | Assignment 1 | 40 | 0.80 | 0.80 | 0.40 | 0.80 | 0.40 | - | - | - | - | - | - | 0.40 | 0.80 | 0.40 | | | | |
| | | | 0 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | | | - |
| | | CO 1 - Attainment | 0 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | | | - |
| 2CSC203 | Illustrate the concepts of Process and, threads , CPU Scheduling Algorithms . | Cycle Test 1 & 2 | 100 | 0.40 | 0.40 | 0.20 | 0.40 | 0.20 | - | - | - | - | - | - | 0.20 | 0.40 | 0.20 | 0.30 | 10.00 | Not Attained | |
| | | | 0 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | | | |
| | | | 0 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | | | |
| | | CO 2 - Attainment | 0 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | | | |
| 3CSC203 | Explain the Algorithms used for concurrency and dead lock handling | Cycle Test 2 | 60 | 0.40 | 0.40 | 0.20 | 0.40 | 0.20 | - | - | - | - | - | - | 0.20 | 0.40 | 0.20 | 0.90 | 30.00 | Not Attained | |
| | | Assignment 2 | 40 | 0.80 | 0.80 | 0.40 | 0.80 | 0.40 | - | - | - | - | - | - | 0.40 | 0.80 | 0.40 | | | | |
| | | | 0 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | | | |
| | | CO 3 - Attainment | 0 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | | | |
| 4CSC203 | Make the use of Various Memory Management Schemes | Cycle Test 3 | 100 | 1.20 | 1.20 | 0.60 | 1.20 | 0.60 | - | - | - | - | - | - | 0.60 | 1.20 | 0.60 | 0.90 | 30.00 | Not Attained | |
| | | | 0 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | | | |
| | | | 0 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | | | |
| | | CO 4 - Attainment | 0 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | | | |
| 5CSC203 | Demonstrate the concepts of File System. | Cycle Test 3 | 60 | 1.20 | 1.20 | 0.60 | 1.20 | 0.60 | - | - | - | - | - | - | 0.40 | 0.80 | 0.40 | 1.50 | 50.00 | Not Attained | |
| | | Assignment 3 | 40 | 0.80 | 0.80 | 0.40 | 0.80 | 0.40 | - | - | - | - | - | - | 0.40 | 0.80 | 0.40 | | | | |
| | | | 0 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | | | |
| | | CO 5 - Attainment | 0 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | | | |
| 6CSC203 | System Software and Operating System | All CO Attainment | | The Course Outcome Attainment Level for the subject CS2203-System Software and Operating System for the Internal Assessments | | | | | | | | | | | | | 0.90 | 30.00 | Not Attained | | |

| CO No | Course Outcomes | Internal Assessment Attainment Contributions to Programme Outcomes & Program Specific Outcome | | | | | | | | | | | | | | |
|-------------------------------------|---|---|------|------|------|------|-----|-----|-----|-----|------|------|------|------|------|------|
| | | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | PO11 | PO12 | PSO1 | PSO2 | |
| 1CSC203 | Explain the Different Types of System software and its use. | 1.20 | 1.20 | 0.60 | 1.20 | 0.60 | - | - | - | - | - | - | - | 0.90 | 1.20 | 0.60 |
| 2CSC203 | Illustrate the concepts of Process and, threads , CPU Scheduling Algorithms . | 0.40 | 0.40 | 0.20 | 0.40 | 0.20 | - | - | - | - | - | - | - | 0.20 | 0.40 | 0.20 |
| 3CSC203 | Explain the Algorithms used for concurrency and dead lock handling | 1.20 | 1.20 | 0.60 | 1.20 | 0.60 | - | - | - | - | - | - | - | 0.60 | 1.20 | 0.60 |
| 4CSC203 | Make the use of Various Memory Management Schemes | 1.20 | 1.20 | 0.60 | 1.20 | 0.60 | - | - | - | - | - | - | - | 0.60 | 1.20 | 0.60 |
| 5CSC203 | Demonstrate the concepts of File System. | 2.00 | 2.00 | 1.00 | 2.00 | 1.00 | - | - | - | - | - | - | - | 1.00 | 2.00 | 1.00 |
| CO Attainment (Internal Assessment) | | 1.20 | 1.20 | 0.60 | 1.20 | 0.60 | - | - | - | - | - | - | - | 0.60 | 1.20 | 0.60 |

Internal Assessment Attainment Level
0.90

| CO No | Course Outcomes | End Semester Examination Attainment Contributions to Programme Outcomes & Program Specific Outcome | | | | | | | | | | | | | | |
|--|---|--|------|------|------|------|-----|-----|-----|-----|------|------|------|------|------|------|
| | | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | PO11 | PO12 | PSO1 | PSO2 | |
| 1CSC203 | Explain the Different Types of System software and its use | 2.00 | 2.00 | 1.00 | 2.00 | 1.00 | - | - | - | - | - | - | - | 1.30 | 2.00 | 1.00 |
| 2CSC203 | Illustrate the concepts of Process and, threads , CPU Scheduling Algorithms | 2.00 | 2.00 | 1.00 | 2.00 | 1.00 | - | - | - | - | - | - | - | 1.00 | 2.00 | 1.00 |
| 3CSC203 | Explain the Algorithms used for concurrency and dead lock handling | 2.00 | 2.00 | 1.00 | 2.00 | 1.00 | - | - | - | - | - | - | - | 1.00 | 2.00 | 1.00 |
| 4CSC203 | Make the use of Various Memory Management Schemes | 2.00 | 2.00 | 1.00 | 2.00 | 1.00 | - | - | - | - | - | - | - | 1.00 | 2.00 | 1.00 |
| 5CSC203 | Demonstrate the concepts of File System. | 2.00 | 2.00 | 1.00 | 2.00 | 1.00 | - | - | - | - | - | - | - | 1.00 | 2.00 | 1.00 |
| CO Attainment (End Semester Examination) | | 2.00 | 2.00 | 1.00 | 2.00 | 1.00 | - | - | - | - | - | - | - | 1.00 | 2.00 | 1.00 |

End Sem Exam Attainment Level
1.50

Over ALL
Direct Attainment Level (as % of total)
1.38

| CO No | Course Outcomes | Assessment Tools | Weightage (In %) | Contribution to Programme Outcomes & Program Specific Outcome | | | | | | | | | | | | | | | |
|-------|---|--------------------------|------------------|---|------|------|------|------|-----|-----|-----|-----|------|------|------|------|------|------|------|
| | | | | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | PO11 | PO12 | PSO1 | PSO2 | | |
| 1 | Explain the Different Types of System software and its use. | End Semester Result | 60 | 1.20 | 1.20 | 0.60 | 1.20 | 0.60 | - | - | - | - | - | - | - | 0.60 | 1.20 | 0.60 | |
| | | Internal Assessment | 40 | 0.48 | 0.48 | 0.24 | 0.48 | 0.24 | - | - | - | - | - | - | - | - | - | - | 0.24 |
| | | CO 1 - Direct Attainment | | 1.68 | 1.68 | 0.84 | 1.68 | 0.84 | - | - | - | - | - | - | - | - | 0.24 | 0.48 | 0.24 |
| 2 | Illustrate the concepts of Process and, threads , CPU Scheduling Algorithms . | End Semester Result | 60 | 1.20 | 1.20 | 0.60 | 1.20 | 0.60 | - | - | - | - | - | - | - | 0.84 | 1.68 | 0.84 | |
| | | Internal Assessment | 40 | 0.16 | 0.16 | 0.08 | 0.16 | 0.08 | - | - | - | - | - | - | - | 0.60 | 1.20 | 0.60 | |
| | | CO 2 - Direct Attainment | | 1.36 | 1.36 | 0.68 | 1.36 | 0.68 | - | - | - | - | - | - | - | 0.08 | 0.16 | 0.08 | |
| 3 | Explain the Algorithms used for concurrency and dead lock handling | End Semester Result | 60 | 1.20 | 1.20 | 0.60 | 1.20 | 0.60 | - | - | - | - | - | - | - | 0.68 | 1.36 | 0.68 | |
| | | Internal Assessment | 40 | 0.48 | 0.48 | 0.24 | 0.48 | 0.24 | - | - | - | - | - | - | - | 0.60 | 1.20 | 0.60 | |
| | | CO 3 - Direct Attainment | | 1.68 | 1.68 | 0.84 | 1.68 | 0.84 | - | - | - | - | - | - | - | 0.24 | 0.48 | 0.24 | |
| 4 | Make the use of Various Memory Management Schemes | End Semester Result | 60 | 1.20 | 1.20 | 0.60 | 1.20 | 0.60 | - | - | - | - | - | - | - | 0.84 | 1.68 | 0.84 | |
| | | Internal Assessment | 40 | 0.48 | 0.48 | 0.24 | 0.48 | 0.24 | - | - | - | - | - | - | - | 0.60 | 1.20 | 0.60 | |
| | | CO 4 - Direct Attainment | | 1.68 | 1.68 | 0.84 | 1.68 | 0.84 | - | - | - | - | - | - | - | 0.24 | 0.48 | 0.24 | |
| 5 | Demonstrate the concepts of File System. | End Semester Result | 60 | 1.20 | 1.20 | 0.60 | 1.20 | 0.60 | - | - | - | - | - | - | - | 0.84 | 1.68 | 0.84 | |
| | | Internal Assessment | 40 | 0.80 | 0.80 | 0.40 | 0.80 | 0.40 | - | - | - | - | - | - | - | 0.60 | 1.20 | 0.60 | |
| | | CO 5 - Direct Attainment | | 2.00 | 2.00 | 1.00 | 2.00 | 1.00 | - | - | - | - | - | - | - | 0.40 | 0.80 | 0.40 | |

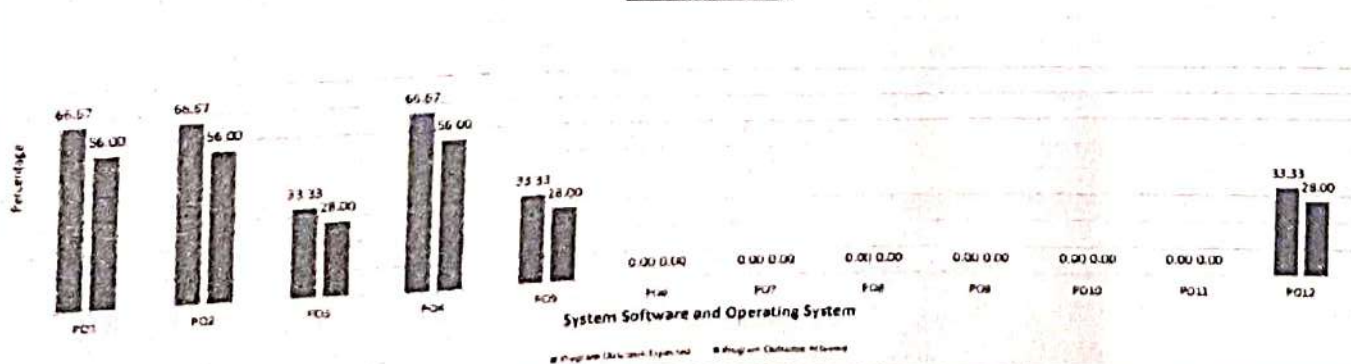
| CO No | Course Outcomes | Direct Attainment of PO vs CO | | | | | | | | | | | | | | |
|--------|---|-------------------------------|------|------|------|------|-----|-----|-----|-----|------|------|------|------|------|------|
| | | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | PO11 | PO12 | PSO1 | PSO2 | |
| 1 | Explain the Different Types of System software and its use. | 1.68 | 1.68 | 0.84 | 1.68 | 0.84 | - | - | - | - | - | - | - | 0.84 | 1.68 | 0.84 |
| 2 | Illustrate the concepts of Process and, threads , CPU Scheduling Algorithms . | 1.36 | 1.36 | 0.68 | 1.36 | 0.68 | - | - | - | - | - | - | 0.68 | 1.36 | 0.68 | |
| 3 | Explain the Algorithms used for concurrency and dead lock handling | 1.68 | 1.68 | 0.84 | 1.68 | 0.84 | - | - | - | - | - | - | 0.84 | 1.68 | 0.84 | |
| 4 | Make the use of Various Memory Management Schemes | 1.68 | 1.68 | 0.84 | 1.68 | 0.84 | - | - | - | - | - | - | 0.84 | 1.68 | 0.84 | |
| 5 | Demonstrate the concepts of File System. | 2.00 | 2.00 | 1.00 | 2.00 | 1.00 | - | - | - | - | - | - | 1.00 | 2.00 | 1.00 | |
| 1CSC20 | System Software and Operating System | 1.68 | 1.68 | 0.84 | 1.68 | 0.84 | - | - | - | - | - | - | 0.84 | 1.68 | 0.84 | |

DIRECT ATTAINMENT OF CO

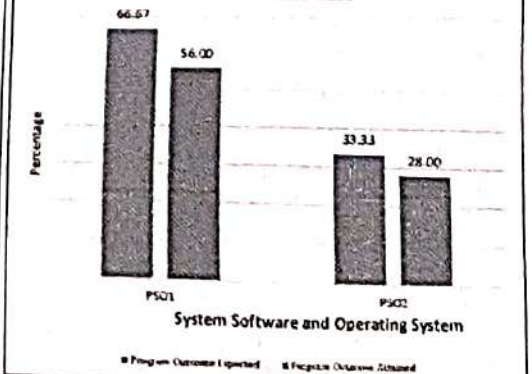
| CO NO | For the Particular Course | For All Pos | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | PO11 | PO12 | PSO1 | PSO2 |
|--------|--------------------------------------|-------------|----------|----------|------|------|------|-----|-----|-----|-----|------|------|------|------|------|
| | | | Expected | Attained | | | | | | | | | | | | |
| 1CSC20 | System Software and Operating System | 1.5 | 2 | 2 | 1 | 2 | 1 | - | - | - | - | - | - | 1 | 2 | 1 |
| | | 1.26 | 1.68 | 1.68 | 0.84 | 1.68 | 0.84 | - | - | - | - | - | - | 0.84 | 1.68 | 0.84 |

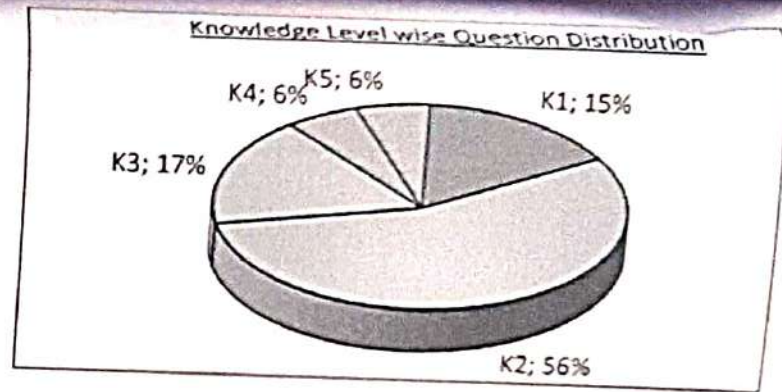
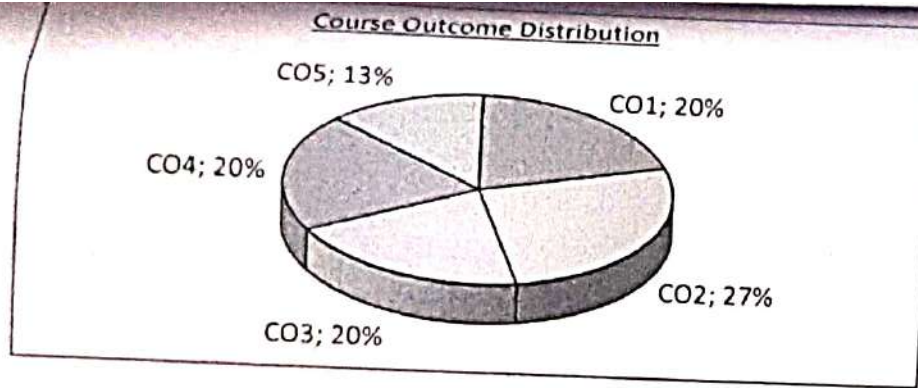
| CO NO | For the Particular Course (In terms of percentage) | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | PO11 | PO12 | PSO1 | PSO2 |
|--------|---|--------------------------|--------------------------|-------|-------|-------|-----|-----|-----|-----|------|------|-------|-------|-------|
| | | Program Outcome Expected | Program Outcome Attained | | | | | | | | | | | | |
| 1CSC20 | System Software and Operating System | 66.67 | 66.67 | 33.33 | 66.67 | 33.33 | - | - | - | - | - | - | 33.33 | 66.67 | 33.33 |
| | | 56.00 | 56.00 | 28.00 | 56.00 | 28.00 | - | - | - | - | - | - | 28.00 | 56.00 | 28.00 |

PO Vs CO Mapping



PO Vs PSO Mapping





CO -PO - Attainment - All Cycle Test

| CO | PO 1 | PO 2 | PO 3 | PO 4 | PO 5 | PO 6 | PO 7 | PO 8 | PO 9 | PO 10 | PO 11 | PO 12 | PSO 1 | PSO 2 |
|----------|------|------|------|------|------|------|------|------|------|-------|-------|-------|-------|-------|
| 21CSC203 | 0.67 | 0.67 | 0.33 | 0.67 | 0.33 | - | - | - | - | - | - | 0.33 | 0.67 | 0.33 |
| 21CSC203 | 0.67 | 0.67 | 0.33 | 0.67 | 0.33 | - | - | - | - | - | - | 0.33 | 0.67 | 0.33 |
| 21CSC203 | 0.67 | 0.67 | 0.33 | 0.67 | 0.33 | - | - | - | - | - | - | 0.33 | 0.67 | 0.33 |
| 21CSC203 | 2.00 | 2.00 | 1.00 | 2.00 | 1.00 | - | - | - | - | - | - | 1.00 | 2.00 | 1.00 |
| 21CSC203 | 2.00 | 2.00 | 1.00 | 2.00 | 1.00 | - | - | - | - | - | - | 1.00 | 2.00 | 1.00 |
| 21CSC203 | 1.20 | 1.20 | 0.60 | 1.20 | 0.60 | - | - | - | - | - | - | 0.60 | 1.20 | 0.60 |

Direct Attainment Level for the course CS2203-System Software and Operating System

| CO | PO 1 | PO 2 | PO 3 | PO 4 | PO 5 | PO 6 | PO 7 | PO 8 | PO 9 | PO 10 | PO 11 | PO 12 | PSO 1 | PSO 2 |
|-------------------|------|------|------|------|------|------|------|------|------|-------|-------|-------|-------|-------|
| End Sem | 2.00 | 2.00 | 1.00 | 2.00 | 1.00 | - | - | - | - | - | - | 1.00 | 2.00 | 1.00 |
| Internal | 1.20 | 1.20 | 0.60 | 1.20 | 0.60 | - | - | - | - | - | - | 0.60 | 1.20 | 0.60 |
| Direct Attainment | 1.68 | 1.68 | 0.84 | 1.68 | 0.84 | - | - | - | - | - | - | 0.84 | 1.68 | 0.84 |

| |
|-------------------|
| Direct Attainment |
| 1.26 |

[Signature]
Staff Incharge

[Signature]
Chairperson

[Signature]
HoD

KAMARAJ
COLLEGE OF ENGINEERING & TECHNOLOGY
 (An Autonomous Institution - AFFILIATED TO ANNA UNIVERSITY, CHENNAI)
 B.P.O. Chikilambur Master - C. Nagarajapuram Campus
 S.P.O.C. Nagar, K. Velurdam - 625 701 (Near VIRUDHUNAGAR)

| | |
|---------------|--------------------|
| Course | B.Tech |
| Year & Branch | III-Year & ADS |
| Semester | 6 |
| Staff Name | Mr.G.Praveen Kumar |
| Academic Year | 2023-2024 |
| Regulation | R 2021 |

| | | | |
|---------------|------------------------|-------------|---------|
| Cycle Test No | 1 | 2 | 3 |
| Date of Exam | 28.02.2024 | | |
| Subject Name | Full Stack Development | | |
| Subject Code | VCS324 | Course Code | 21AD314 |

| | |
|---|------|
| Enter the Internal Target Value | 70 % |
| Enter the University Grade Target Value | B+ |

(Refer Course Beginning Report)

Please Enter the PO - CO Mapping for the subject

| CO | Course Outcome | P01 | P02 | P03 | P04 | P05 | P06 | P07 | P08 | P09 | P010 | P011 | P012 | PS01 | PS02 |
|-----------|--|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|------|
| 21AD314.1 | Illustrate responsive web pages using Bootstrap and JQuery | M | M | M | - | L | - | - | - | L | - | - | L | M | M |
| 21AD314.2 | Explain an AngularJS for web application development | M | M | M | - | L | - | - | - | L | - | - | L | M | M |
| 21AD314.3 | Demonstrate the simple web applications using node | M | M | M | - | M | - | - | - | L | - | - | L | M | M |
| 21AD314.4 | Infer web applications using express and node | M | M | M | - | M | - | - | - | L | - | - | L | M | M |
| 21AD314.5 | Outline the concepts of MongoDB with CURD operations | M | M | M | - | M | - | - | - | L | - | - | L | M | M |

| CO No | Course Outcome | Assessment Tools | | | |
|-----------|--|------------------|--------------|---|---|
| | | 1 | 2 | 3 | 4 |
| 21AD314.1 | Illustrate responsive web pages using Bootstrap and jQuery | Cycle Test 1 | | | |
| 21AD314.2 | Explain an AngularJS for web application development | Cycle Test 1 | | | |
| 21AD314.3 | Demonstrate the simple web applications using node | Cycle Test 2 | | | |
| 21AD314.4 | Infer web applications using express and node | Cycle Test 2 | | | |
| 21AD314.5 | Outline the concepts of MongoDB with CURD operations | | Assignment 1 | | |

| Cycle Test - CO wise Coverage | | | |
|-------------------------------|-----|-----|--|
| 1 | 2 | 3 | |
| 100 | | | |
| 100 | | | |
| | 100 | | |
| | 100 | | |
| | | 100 | |

| Assesment Tools (Weightages in %) | | | | Verified |
|------------------------------------|-----|---|---|----------|
| 1 | 2 | 3 | 4 | |
| 100 | | | | 100 |
| 100 | | | | 100 |
| 100 | | | | 100 |
| 100 | | | | 100 |
| | 100 | | | 100 |

| CO NO | Course Outcomes | P01 | P02 | P03 | P04 | P05 | P06 | P07 | P08 | P09 | P010 | P011 | P012 | PS01 | PS02 |
|-------|--|----------|----------|----------|----------|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| 1 | Illustrate responsive web pages using Bootstrap and jQuery | 2 | 2 | 2 | - | 1 | - | - | - | 1 | - | - | 1 | 2 | 2 |
| 2 | Explain an Angular JS for web application development | 2 | 2 | 2 | - | 1 | - | - | - | 1 | - | - | 1 | 2 | 2 |
| 3 | Demonstrate the simple web applications using node | 2 | 2 | 2 | - | 2 | - | - | - | 1 | - | - | 1 | 2 | 2 |
| 4 | Infer web applications using express and node | 2 | 2 | 2 | - | 2 | - | - | - | 1 | - | - | 1 | 2 | 2 |
| 5 | Outline the concepts of MongoDB with CRUD operations | 2 | 2 | 2 | - | 2 | - | - | - | 1 | - | - | 1 | 2 | 2 |
| | Average | 2 | 2 | 2 | - | 1.6 | - | - | - | 1 | - | - | 1 | 2 | 2 |

Cycle Test 1 Result Analysis

| | |
|--------------------|------------------------|
| Subject Name | Full Stack Development |
| Subject Code | VCS324 |
| Year and Branch | III-Year & ADS |
| Subject Handled by | Mr. G Praveen Kumar |

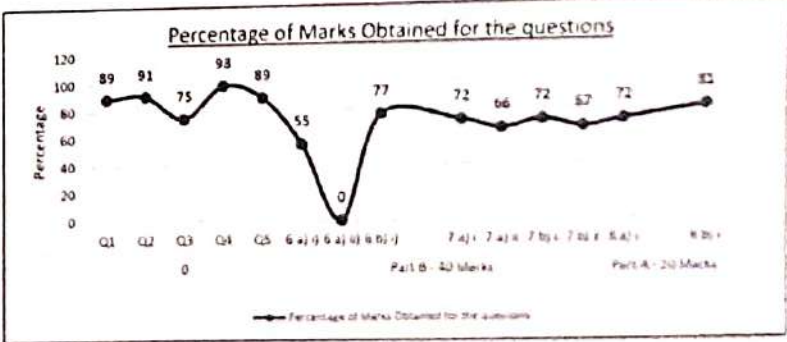
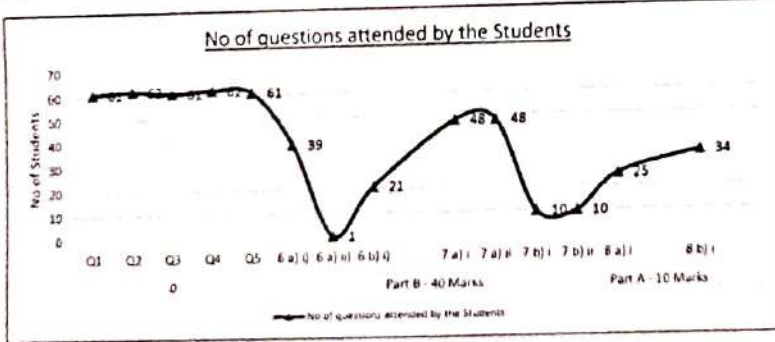
KAMARAJ
COLLEGE OF ENGINEERING & TECHNOLOGY
 (An Autonomous Institution) AFFILIATED TO ANNA UNIVERSITY, CHENNAI
 S.P.G. Chidambara Nader - C. Nagercoil Campus
 S.P.G.C. Nagar, K.Velakulam - 625 701 (Near VIRUDHUNAGAR)

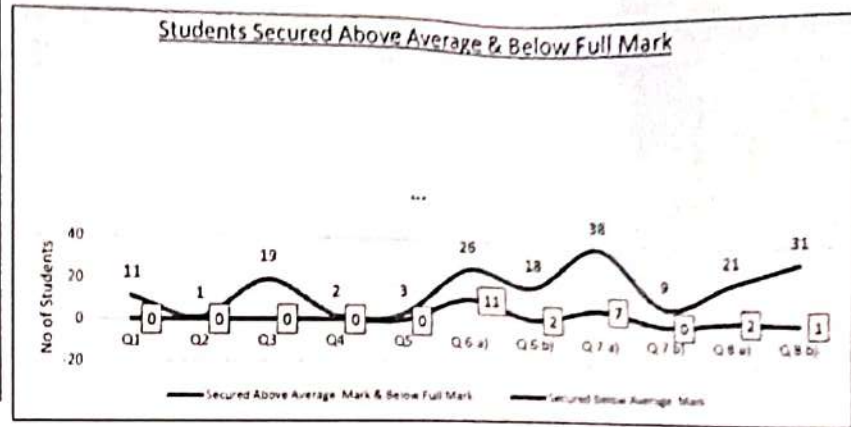
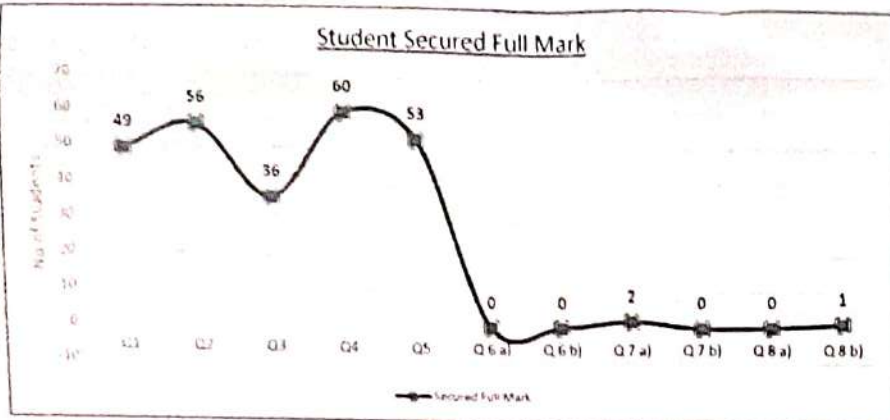
| Unit Test Analysis | No |
|-----------------------|-------|
| Total No of Students | 62 |
| No of Students Pass | 55 |
| No of Students Fail | 7 |
| No of Students Absent | 0 |
| Total Attended | 62 |
| Maximum Mark | 96 |
| Average Mark | 70.06 |

| | |
|--|---------|
| Pass Percentage (Based on Strength) | 88.71 % |
| Pass Percentage (Based on Students Attended) | 88.71 % |

| Mark based Analysis | | | |
|--------------------------|----|-----------------------|---|
| No. of students above 90 | 7 | No. of students 40-49 | 0 |
| No. of students 80-89 | 21 | No. of students 30-39 | 2 |
| No. of students 70-79 | 10 | No. of students 20-29 | 2 |
| No. of students 60-69 | 9 | No. of students 10-19 | 2 |
| No. of students 50-59 | 8 | No. of students 0-9 | 1 |

| Questionwise Analysis | 0 | | | | | Part B - 40 Marks | | | | | | | | Part A - 10 Marks | | | |
|--|------------------|-------|-------|-------|-------|-------------------|----------|---------|----------|-------------------|----------|---------|----------|-------------------|----------|---------|----------|
| | Q1 | Q2 | Q3 | Q4 | Q5 | 6 a) i) | 6 a) ii) | 6 b) i) | 6 b) ii) | 7 a) i) | 7 a) ii) | 7 b) i) | 7 b) ii) | 8 a) i) | 8 a) ii) | 8 b) i) | 8 b) ii) |
| No of questions attended by the Students | 61 | 62 | 61 | 62 | 61 | 39 | 1 | 21 | NA | 48 | 48 | 10 | 10 | 25 | NA | 34 | NA |
| No of questions not attended by the Students | 1 | 0 | 1 | 0 | 1 | 23 | 61 | 41 | NA | 14 | 14 | 52 | 52 | 37 | NA | 28 | NA |
| Total Marks Secured for the questions | 109 | 113 | 91 | 122 | 109 | 345 | 14 | 258 | 0 | 347 | 190 | 72 | 40 | 143 | 0 | 219 | 0 |
| Percentage of Marks Obtained for the questions | 89.34 | 91.13 | 74.59 | 98.39 | 89.34 | 55.29 | #DIV/0! | 76.79 | NA | 72.29 | 65.97 | 72.00 | 66.67 | 71.50 | NA | 80.52 | NA |
| | Part A - 2 Marks | | | | | Part B - 13 Marks | | | | Part A - 10 Marks | | | | | | | |
| Secured Full Mark | 49 | 56 | 36 | 60 | 53 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Secured Above Average Mark & Below Full Mark | 11 | 1 | 19 | 2 | 3 | 26 | 18 | 38 | 0 | 7 | 0 | 0 | 0 | 2 | 0 | 1 | 0 |
| Secured Below Average Mark | 0 | 0 | 0 | 0 | 0 | 11 | 2 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Secured Zero | 1 | 5 | 6 | 0 | 5 | 3 | 1 | 2 | 0 | 2 | 2 | 2 | 2 | 0 | 0 | 0 | 0 |



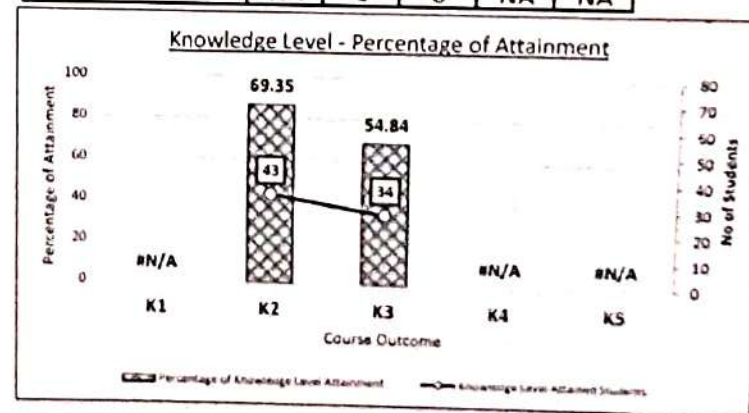
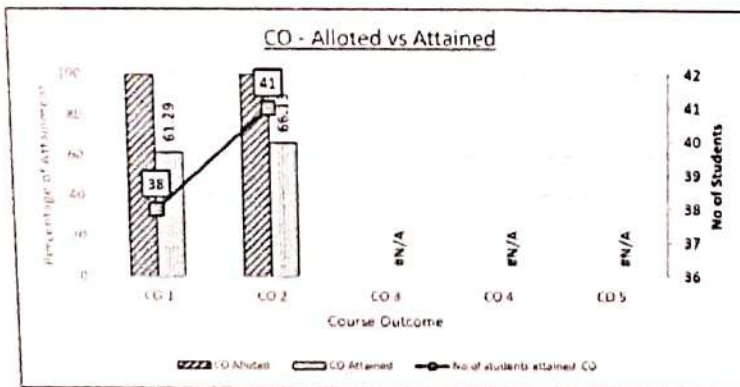


Course Outcome wise Analysis

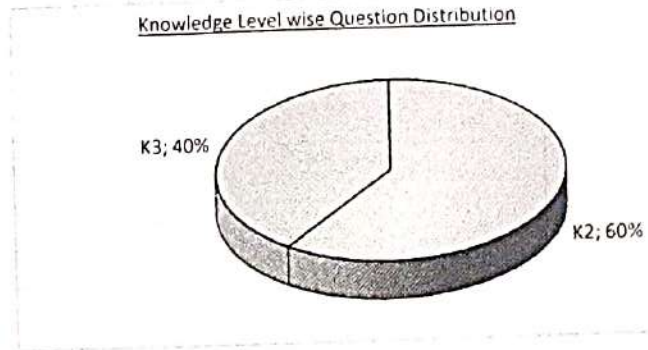
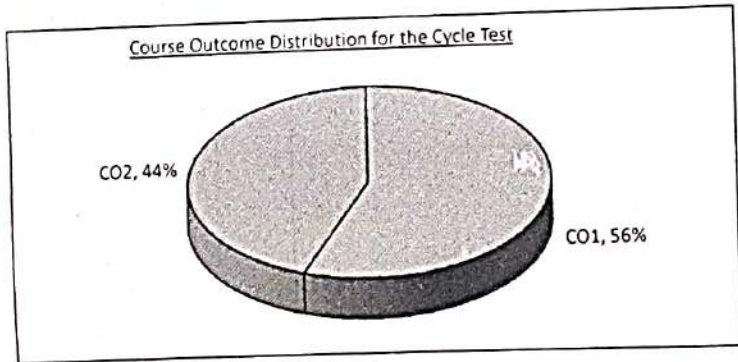
| Particulars | CO 1 | CO 2 | CO 3 | CO 4 | CO 5 |
|------------------------------|-------|-------|------|------|------|
| Secured Full Mark | 0 | 1 | NA | NA | NA |
| Secured Above Average Mark | 50 | 51 | NA | NA | NA |
| Secured Below Average Mark | 11 | 10 | NA | NA | NA |
| Secured Zero | 1 | 0 | NA | NA | NA |
| CO Alloted | 1736 | 1364 | 0 | 0 | 0 |
| CO Attained | 1201 | 971 | 0 | 0 | 0 |
| CO Attained (In Percentage) | 69.18 | 71.19 | NA | NA | NA |
| Maximum per CO | 27 | 22 | 0 | 0 | 0 |
| 70 % Max of CO | 18.9 | 15.4 | 0 | 0 | 0 |
| No of students attained CO | 38 | 41 | NA | NA | NA |
| CO Attainment Percentage | 61.29 | 66.13 | NA | NA | NA |
| Attainment Level | 1 | 1 | NA | NA | NA |

Knowledge Level wise Analysis

| Particulars | K1 | K2 | K3 | K4 | K5 |
|-----------------------------|-----|-------|-------|-----|-----|
| Secured Full Mark | NIL | 0 | 0 | NIL | NIL |
| Secured Above Average Mark | NIL | 50 | 44 | NIL | NIL |
| Secured Below Average Mark | NIL | 8 | 13 | NIL | NIL |
| Secured Zero | NIL | 4 | 5 | NIL | NIL |
| Knowledge Level Alloted | 0 | 1488 | 992 | 0 | 0 |
| Knowledge Level Attained | 0 | 1011 | 617 | 0 | 0 |
| Attainment (In Percentage) | NA | 67.94 | 62.20 | NA | NA |
| Maximum per Knowledge Level | 0 | 23 | 15 | 0 | 0 |
| 70 % Max of K Level | 0 | 16.1 | 10.5 | 0 | 0 |
| No of students attained | NA | 43 | 34 | NA | NA |
| Attainment Percentage | NA | 69.35 | 54.84 | NA | NA |
| Attainment Level | NA | 1 | 0 | NA | NA |



| Cycle Test No | | 1 | | Name | | Part B - 40 Marks | | | | | | | | | | Part A - 10 Marks | | | | Total | Total | |
|---------------|----------|-------------------|---------------------|------|-----|-------------------|-----|-----|--------|---------|--------|---------|--------|---------|--------|-------------------|--------|---------|--------|---------|-------|-----|
| S.No | Roll No | Course Outcome NO | Marks Allotted | Q1 | Q2 | Q3 | Q4 | Q5 | 7 a) i | 7 a) ii | 7 b) i | 7 b) ii | 8 a) i | 8 a) ii | 8 b) i | 8 b) ii | 6 a) i | 6 a) ii | 6 b) i | 6 b) ii | 50 | 100 |
| | | | | CO1 | CO1 | CO2 | CO2 | CO2 | CO1 | NA | CO1 | NA | CO2 | CO2 | CO2 | CO2 | CO1 | NA | CO1 | NA | | |
| | | | | 2 | 2 | 2 | 2 | 2 | 16 | | 16 | | 10 | 6 | 10 | 6 | 8 | | 8 | | | |
| 38 | 21UAD039 | 920421243042 | SANTHOSE.H.M | 2 | 2 | 2 | 2 | 2 | | | 14 | | 9 | 5 | | | | | 7 | | 45 | 90 |
| 39 | 21UAD040 | 920421243006 | DEEPIKA SHRI.N | 2 | 2 | 1 | 2 | 2 | 12 | | | | 9 | 3 | | | 7 | | | | 40 | 80 |
| 40 | 21UAD041 | 920421243060 | YUVA SRI.R | 2 | 2 | 2 | 2 | 2 | 15 | | | | 9 | 6 | | | | | 7 | | 47 | 94 |
| 41 | 21UAD042 | 920421243036 | RAAMPRAV.R | 2 | 2 | 0 | 2 | 2 | 4 | | | | 0 | 0 | | | 5 | | | | 17 | 34 |
| 42 | 21UAD043 | 920421243058 | VIJAYAMADAESHWAR. M | 2 | 2 | 1 | 2 | 2 | 9 | | | | 8 | 5 | | | | | 5 | | 36 | 72 |
| 43 | 21UAD044 | 920421243028 | MOHAMED FARHAN.S | 2 | 2 | 2 | 2 | 0 | | | 13 | | 0 | 5 | | | | | 0 | | 26 | 52 |
| 44 | 21UAD045 | 920421243038 | ROHITH.A | 2 | 2 | 2 | 2 | 2 | 14 | | | | 9 | 5 | | | | | 7 | | 45 | 90 |
| 45 | 21UAD046 | 920421243043 | SANTHOSH KUMAR.S | 2 | 2 | 1 | 2 | 2 | | | 14 | | 4 | 4 | | | | | 5 | | 36 | 72 |
| 46 | 21UAD047 | 920421243018 | KATHIROHN.A.M | 2 | 2 | 1 | 2 | 2 | 14 | | | | 10 | 6 | | | | | 4 | | 43 | 86 |
| 47 | 21UAD048 | 920421243049 | SIVASAARATHI.S | 2 | 2 | 1 | 2 | 2 | | | 6 | | 7 | 6 | | | 7 | | | | 35 | 70 |
| 48 | 21UAD049 | 920421243015 | JANO KODESH.M | 2 | 2 | 2 | 2 | 2 | 14 | | | | 9 | 5 | | | | | 7 | | 45 | 90 |
| 49 | 21UAD050 | 920421243012 | HARINI.R | 2 | 2 | 2 | 2 | 2 | 10 | | | | 9 | 4 | | | 7 | | | | 40 | 80 |
| 50 | 21UAD051 | 920421243029 | MOHAMED FASIDH.M | 2 | 2 | 1 | 2 | 1 | | | 11 | | 6 | 4 | | | | | 5 | | 34 | 68 |
| 51 | 21UAD052 | 920421243048 | SIVA PRAKASH.S | 2 | 2 | 2 | 2 | 2 | 9 | | | | 9 | 5 | | | | | 7 | | 40 | 80 |
| 52 | 21UAD053 | 920421243002 | AHAMED SAHILA | 2 | 2 | 1 | 2 | 2 | | | 0 | | 9 | 5 | | | 7 | | | | 30 | 60 |
| 53 | 21UAD055 | 920421243044 | SHWEATHA AARTHY.S.N | 2 | 2 | 1 | 2 | 2 | | | 14 | | 9 | 5 | | | | | 7 | | 44 | 88 |
| 54 | 21UAD056 | 920421243055 | SYAMALA DEVI.S | 2 | 2 | 1 | 2 | 2 | 14 | | | | | | 5 | 5 | 6 | | | | 39 | 78 |
| 55 | 21UAD057 | 920421243024 | MANIKKAVASAKAR.T | | 1 | | 1 | | 8 | | | | 7 | 3 | | | | | 7 | | 27 | 54 |
| 56 | 21UAD058 | 920421243025 | MARIUMBEI.S | 2 | 2 | 2 | 2 | 2 | 2 | | | | 9 | 2 | | | | | 7 | | 30 | 60 |
| 57 | 21UAD059 | 920421243052 | SRINITHI.S | 2 | 2 | 2 | 2 | 2 | 2 | | | | 5 | 6 | | | 7 | | | | 30 | 60 |
| 58 | 21UAD060 | 920421243009 | GANESA MOORTHY.M | 2 | 2 | 2 | 2 | 2 | | 14 | | | 9 | 5 | | | 7 | | | | 45 | 90 |
| 59 | 21UAD061 | 920421243303 | V.KARUPPASAMY | 1 | 2 | 1 | 2 | 2 | 7 | | | | 8 | 3 | | | 6 | | | | 32 | 64 |
| 60 | 21UAD062 | 920421243302 | V.JENITH JEFSON | 0 | 0 | 0 | 1 | 0 | 0 | | | | | | | | 0 | | | | 1 | 2 |
| 61 | 21UAD063 | 920421243304 | P.PONMANI BOOPATHY | 2 | 2 | 0 | 2 | 2 | 5 | | | | 6 | 6 | | | 6 | | | | 31 | 62 |
| 62 | 21UAD064 | 920421243301 | N.ABIMANYU | 1 | 0 | 0 | 2 | 2 | 0 | | | | | | | | 0 | | | | 5 | 10 |



| CO-PO - Attainment - Cycle Test | | | | | | | | | | | | | | |
|---------------------------------|------|------|------|------|------|------|------|------|------|-------|-------|-------|-------|-------|
| CO | PO 1 | PO 2 | PO 3 | PO 4 | PO 5 | PO 6 | PO 7 | PO 8 | PO 9 | PO 10 | PO 11 | PO 12 | PSO 1 | PSO 2 |
| 21AD314.1 | 0.67 | 0.67 | 0.67 | - | 0.33 | - | - | - | 0.33 | - | - | 0.33 | 0.67 | 0.67 |
| 21AD314.2 | 0.67 | 0.67 | 0.67 | - | 0.33 | - | - | - | 0.33 | - | - | 0.33 | 0.67 | 0.67 |
| 21AD314.3 | NA | NA | NA | - | NA | - | - | - | NA | - | - | NA | NA | NA |
| 21AD314.4 | NA | NA | NA | - | NA | - | - | - | NA | - | - | NA | NA | NA |
| 21AD314.5 | NA | NA | NA | - | NA | - | - | - | NA | - | - | NA | NA | NA |

Note
 NA - Not Applicable

Attainment Level 1
 60 % Students secured more than Target Value

Attainment Level 2
 70 % Students secured more than Target Value

Attainment Level 3
 80 % Students secured more than Target Value

| Action Plan Report for the Attainment of CO | | | | | |
|---|---------------------|-------------------|---------------|------------------------------|--|
| CO | Target Value | Actual Attainment | CO Attained ? | Attainment GAP In Percentage | Action Plan to Bridge the Gap |
| 21AD314.1 | 70 %of Maximum Mark | 61.29 % | Not Attained | -8.71 % | } Programs need to concentrate (Real time problem) |
| 21AD314.2 | 70 %of Maximum Mark | 66.13 % | Not Attained | -3.87 % | |
| 21AD314.3 | 70 %of Maximum Mark | NA | NA | NA | |
| 21AD314.4 | 70 %of Maximum Mark | NA | NA | NA | |
| 21AD314.5 | 70 %of Maximum Mark | NA | NA | NA | |

HoD Remarks

[Signature]
 Staff Incharge

[Signature]
 Chairperson

[Signature]
 HoD

KAMARAJ
COLLEGE OF ENGINEERING & TECHNOLOGY
 (An Autonomous Institution - AFFILIATED TO Anna University, Chennai)
 B.P.O. Chidambaram Road - G. Bagaluram Campus
 S.P.O.S. Stage, V. Vebudam - 625 791 (Near VITVILVUPPAM)

| | |
|---------------|--------------------|
| Course | B.Tech |
| Year & Branch | III-Year & ADS |
| Semester | 6 |
| Staff Name | Mr.G.Praveen Kumar |
| Academic Year | 2023-2024 |
| Regulation | R 2021 |

| | | | |
|---------------|------------------------|-------------|---------|
| Cycle Test No | 1 | 2 | 3 |
| Date of Exam | 28.02.2024 | 03.04.2024 | |
| Subject Name | Full Stack Development | | |
| Subject Code | VC5324 | Course Code | 21AD314 |

| | |
|---|------|
| Enter the Internal Target Value | 70 % |
| Enter the University Grade Target Value | B+ |

(Refer Course Beginning Report)

Please Enter the PO - CO Mapping for the subject.

| CO | Course Outcome | P01 | P02 | P03 | P04 | P05 | P06 | P07 | P08 | P09 | P010 | P011 | P012 | PS01 | PS02 |
|-----------|--|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|------|
| 21AD314.1 | Illustrate responsive web pages using Bootstrap and JQuery | M | M | M | - | L | - | - | - | L | - | - | L | M | M |
| 21AD314.2 | Explain an Angular JS for web application development | M | M | M | - | L | - | - | - | L | - | - | L | M | M |
| 21AD314.3 | Demonstrate the simple web applications using node | M | M | M | - | M | - | - | - | L | - | - | L | M | M |
| 21AD314.4 | Infer web applications using express and node | M | M | M | - | M | - | - | - | L | - | - | L | M | M |
| 21AD314.5 | Outline the concepts of MongoDB with CURD operations | M | M | M | - | M | - | - | - | L | - | - | L | M | M |

| CO No | Course Outcome | Assessment Tools | | | |
|-----------|--|------------------|--------------|---|---|
| | | 1 | 2 | 3 | 4 |
| 21AD314.1 | Illustrate responsive web pages using Bootstrap and JQuery | Cycle Test 1 | | | |
| 21AD314.2 | Explain an Angular JS for web application development | Cycle Test 1 | | | |
| 21AD314.3 | Demonstrate the simple web applications using node | Cycle Test 2 | | | |
| 21AD314.4 | Infer web applications using express and node | Cycle Test 2 | | | |
| 21AD314.5 | Outline the concepts of MongoDB with CURD operations | | Assignment 1 | | |

| Cycle Test - CO wise Coverage | | |
|-------------------------------|-----|-----|
| 1 | 2 | 3 |
| 100 | | |
| 100 | | |
| | 100 | |
| | 100 | |
| | | 100 |

| Assesment Tools (Weightages in %) | | | | Verified |
|------------------------------------|-----|---|---|----------|
| 1 | 2 | 3 | 4 | |
| 100 | | | | 100 |
| 100 | | | | 100 |
| 100 | | | | 100 |
| 100 | | | | 100 |
| | 100 | | | 100 |

| CO NO | Course Outcomes | P01 | P02 | P03 | P04 | P05 | P06 | P07 | P08 | P09 | P010 | P011 | P012 | PS01 | PS02 |
|-------|--|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|------|
| 1 | Illustrate responsive web pages using Bootstrap and JQuery | 2 | 2 | 2 | - | 1 | - | - | - | 1 | - | - | 1 | 2 | 2 |
| 2 | Explain an Angular.JS for web application development | 2 | 2 | 2 | - | 1 | - | - | - | 1 | - | - | 1 | 2 | 2 |
| 3 | Demonstrate the simple web applications using node | 2 | 2 | 2 | - | 2 | - | - | - | 1 | - | - | 1 | 2 | 2 |
| 4 | Infer web applications using express and node | 2 | 2 | 2 | - | 2 | - | - | - | 1 | - | - | 1 | 2 | 2 |
| 5 | Outline the concepts of MongoDB with CURD operations | 2 | 2 | 2 | - | 2 | - | - | - | 1 | - | - | 1 | 2 | 2 |
| | Average | 2 | 2 | 2 | - | 1.6 | - | - | - | 1 | - | - | 1 | 2 | 2 |

| Cycle Test No | | 2 | | Name | | Part A - 10 Marks | | | | | | | | | | Total | Total | | | |
|---------------|-----------------|--------------|--------------------------|------|-----|-------------------|-----|--------|---------|--------|---------|--------|---------|--------|---------|-------|-------|--------|---------|--------|
| S.No | Registration No | Roll No | Course Outcome NO | | | | | 7 a) i | 7 a) ii | 7 b) i | 7 b) ii | 8 a) i | 8 a) ii | 8 b) i | 8 b) ii | | | 6 a) i | 6 a) ii | 6 b) i |
| | | | CO3 | CO3 | CO4 | CO4 | CO4 | CO4 | NA | CO4 | NA | CO4 | NA | CO4 | NA | CO3 | CO3 | CO3 | CO3 | |
| | | | Marks Allotted | 2 | 2 | 2 | 2 | 2 | 15 | | 15 | | 15 | | 15 | | 8 | | 8 | |
| | | | Knowledge Level | K2 | K2 | K2 | K2 | K2 | K3 | NIL | K3 | NIL | K3 | NIL | K3 | NIL | K3 | NIL | K3 | NIL |
| 1 | 21UAD001 | 920421243046 | SIVAKAMI G | 2 | 2 | 2 | 2 | 1 | 14 | | | 15 | | | 7 | | | | 45 | 90 |
| 2 | 21UAD002 | 920421243004 | AKSHAY PIRANAV B | 1 | 2 | 1 | 2 | 2 | | | 13 | | 14 | | 4 | | | | 39 | 78 |
| 3 | 21UAD003 | 920421243054 | SUTHAN V | 1 | 2 | 2 | 2 | 1 | | | 15 | | | 14 | 7 | | | | 44 | 88 |
| 4 | 21UAD004 | 920421243026 | MATHIYAJIN A | 0 | 0 | 1 | 0 | | 0 | | | | | 5 | | | | | 6 | 12 |
| 5 | 21UAD005 | 920421243059 | VISHWANATH P | 2 | 0 | 1 | 0 | 1 | | | 14 | | | 14 | | | 7 | | 39 | 78 |
| 6 | 21UAD006 | 920421243019 | KAVYA P | 2 | 2 | 2 | 2 | 2 | | | 14 | | 14 | | 7 | | | | 45 | 90 |
| 7 | 21UAD007 | 920421243035 | PRAVEEN KUMAR M | 1 | 2 | 1 | 2 | 2 | | | 14 | | | 14 | 4 | | | | 40 | 80 |
| 8 | 21UAD008 | 920421243013 | HARSHINI B | 2 | 0 | 2 | 2 | 2 | | | 14 | | | 15 | 6 | | | | 43 | 86 |
| 9 | 21UAD009 | 920421243053 | SURYA BALAN R | 2 | 2 | 2 | 2 | 1 | | | 14 | | | 14 | 5 | | | | 42 | 84 |
| 10 | 21UAD010 | 920421243003 | AKASH R | 2 | 0 | 2 | 2 | 1 | | | 15 | | | 14 | 5 | | | | 41 | 82 |
| 11 | 21UAD011 | 920421243032 | NIVEDITHA N | 2 | 2 | 1 | 2 | 1 | | | 9 | | | 14 | 5 | | | | 36 | 72 |
| 12 | 21UAD012 | 920421243030 | NANTHA KUMAR M | 1 | 0 | 1 | 2 | 0 | 4 | | | | | | | | | | 8 | 16 |
| 13 | 21UAD013 | 920421243016 | JAYASUDHA S | 1 | 2 | 2 | 2 | 0 | 10 | | | 9 | | | 7 | | | | 33 | 66 |
| 14 | 21UAD014 | 920421243023 | MAHIMA SATTI N | 2 | 2 | 1 | 2 | 1 | 4 | | | 14 | | | 7 | | | | 33 | 66 |
| 15 | 21UAD015 | 920421243001 | ADUIN WISELEY J | 2 | 2 | 1 | 2 | 1 | | | 15 | | 15 | | 7 | | | | 45 | 90 |
| 16 | 21UAD017 | 920421243022 | MADESHWARAN P | 1 | 2 | 0 | 1 | 0 | | | | | 2 | | | | | | 6 | 12 |
| 17 | 21UAD018 | 920421243039 | KOSHAN KUMAR N K | 2 | 0 | 2 | 2 | 1 | | | 14 | | 14 | | 7 | | | | 42 | 84 |
| 18 | 21UAD019 | 920421243045 | SIVA RANJANI R | 2 | 1 | 2 | 2 | 2 | 15 | | | | 15 | | 7 | | | | 46 | 92 |
| 19 | 21UAD020 | 920421243056 | TARUN B | 2 | 2 | 2 | 0 | 2 | 14 | | | | 15 | | 3 | | | | 40 | 80 |
| 20 | 21UAD021 | 920421243011 | HARI HARA SUDHAN P | 2 | 2 | 1 | 2 | 2 | | | 14 | | | 13 | 7 | | | | 43 | 86 |
| 21 | 21UAD022 | 920421243014 | HEMA T | 2 | 2 | 1 | 2 | 2 | 14 | | | 15 | | | | | 7 | | 45 | 90 |
| 22 | 21UAD023 | 920421243021 | LAKSHMIPATHY VENKATESH V | 2 | 0 | 0 | 0 | 0 | 10 | | | 9 | | | 4 | | | | 25 | 50 |
| 23 | 21UAD024 | 920421243008 | DINESH KUMAR S | 1 | 2 | 1 | 2 | 1 | | | 12 | | 13 | | | | 5 | | 37 | 74 |
| 24 | 21UAD025 | 920421243020 | KISHORE KUMAR L | 1 | 2 | 0 | 2 | | | | 9 | | 12 | | 2 | | | | 28 | 56 |
| 25 | 21UAD026 | 920421243047 | SIVANI R | 2 | 2 | 2 | 2 | 2 | | | 15 | | 14 | | 7 | | | | 46 | 92 |
| 26 | 21UAD027 | 920421243005 | ANDALPRIYA C | 2 | 2 | 2 | 2 | 2 | | | 15 | | 14 | | 7 | | | | 46 | 92 |
| 27 | 21UAD028 | 920421243034 | PERIA MAHALAKSHMI M | 2 | 0 | 1 | 2 | 0 | | | 13 | | | 14 | 0 | | | | 32 | 64 |
| 28 | 21UAD029 | 920421243033 | NUTTRENAI V | 2 | 2 | 1 | 0 | 2 | | | 14 | | 15 | | 7 | | | | 43 | 86 |
| 29 | 21UAD030 | 920421243050 | SOWNDARYA A K | 2 | 2 | 2 | 2 | 1 | | | 15 | | 15 | | | | 7 | | 46 | 92 |
| 30 | 21UAD031 | 920421243027 | MOHAMED FAIZAL ALI S | 2 | 0 | 2 | 2 | 2 | 14 | | | | 14 | | 3 | | | | 39 | 78 |
| 31 | 21UAD032 | 920421243057 | VAIDANTH B | 2 | 2 | 2 | 2 | 1 | 12 | | | | | 12 | 5 | | | | 38 | 76 |
| 32 | 21UAD033 | 920421243051 | SRI SHIVANUJAS | 2 | 2 | 2 | 2 | 2 | | | 12 | | | 8 | 7 | | | | 37 | 74 |
| 33 | 21UAD034 | 920421243037 | RAJA LAKSHMI K | 2 | 0 | 0 | 2 | 2 | 2 | | | | 15 | | | | 7 | | 30 | 60 |
| 34 | 21UAD035 | 920421243031 | NHIRANJAN M K | 2 | 0 | 2 | 2 | 1 | | | 15 | | 15 | | 5 | | | | 42 | 84 |
| 35 | 21UAD036 | 920421243007 | DHARANI M | | | | | | | | | | | | | | | | AB | AB |
| 36 | 21UAD037 | 920421243017 | JEYADHEESH N | 1 | 0 | 2 | 2 | 2 | | | 15 | | | 12 | 6 | | | | 40 | 80 |
| 37 | 21UAD038 | 920421243010 | GENGADEVLP | 2 | 2 | 2 | 2 | 2 | | | 7 | | 12 | | 5 | | | | 34 | 68 |

Cycle Test 2 Result Analysis

| | |
|--------------------|------------------------|
| Subject Name | Full Stack Development |
| Subject Code | VCS324 |
| Year and Branch | III-Year & ADS |
| Subject Handled by | Mr.G Praveen Kumar |



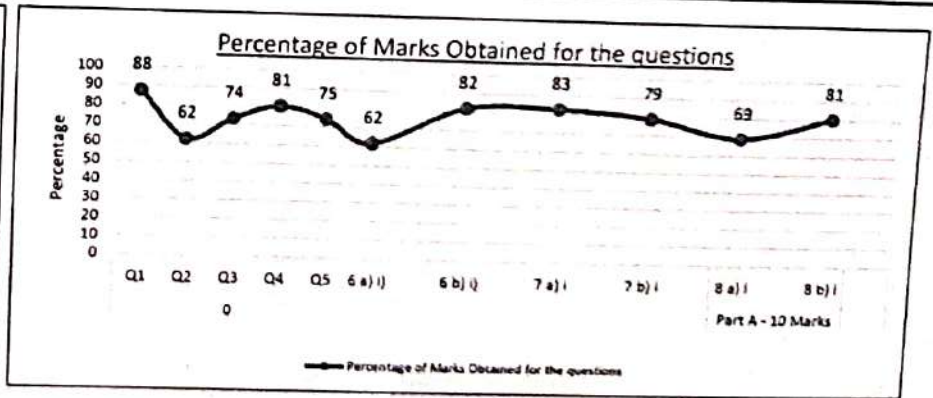
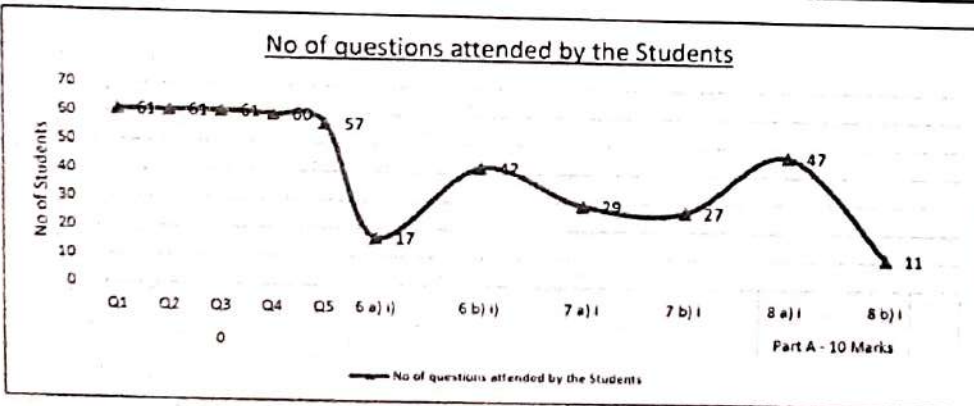
(An Autonomous Institution - AFFILIATED TO ANNA UNIVERSITY, CHENNAI)
 S.P.G.Chidambara Nader - C.Nagammal Campus
 S.P.G.C. Nagar, K.Vellakulam - 625 701 (Near VIRUDHUNAGAR).

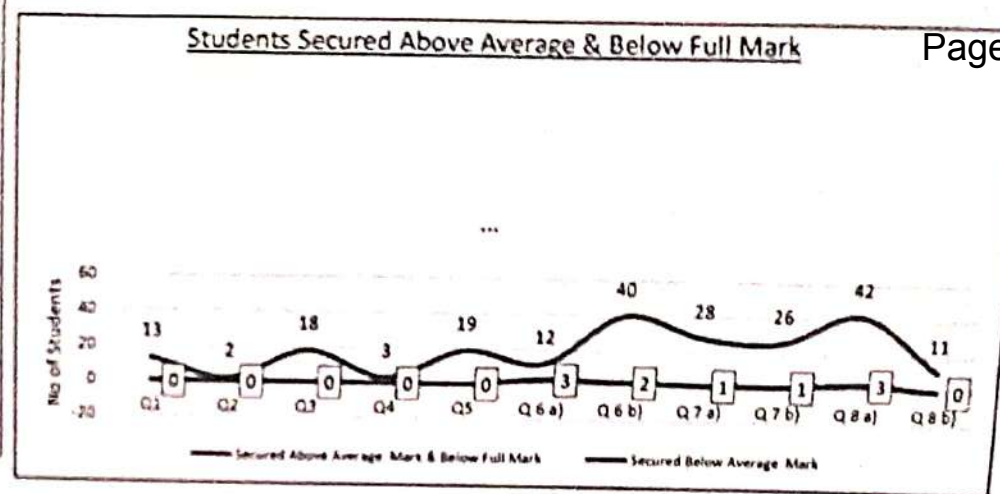
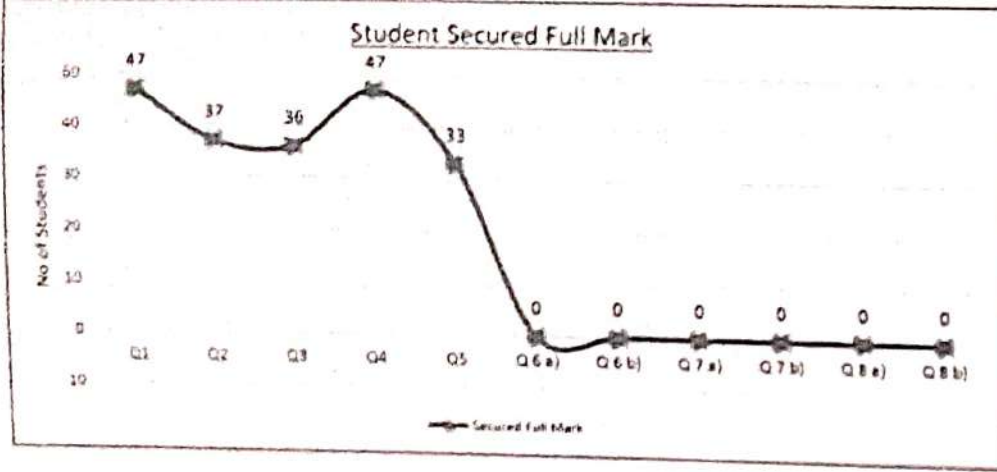
| Unit Test Analysis | No |
|-----------------------|-------|
| Total No of Students | 62 |
| No of Students Pass | 55 |
| No of Students Fail | 6 |
| No of Students Absent | 1 |
| Total Attended | 61 |
| Maximum Mark | 94 |
| Average Mark | 73.25 |

| | |
|--|---------|
| Pass Percentage (Based on Strength) | 88.71 % |
| Pass Percentage (Based on Students Attended) | 90.16 % |

| Mark based Analysis | | | |
|--------------------------|----|-----------------------|---|
| No. of students above 90 | 5 | No. of students 40-49 | 0 |
| No. of students 80-89 | 31 | No. of students 30-39 | 0 |
| No. of students 70-79 | 9 | No. of students 20-29 | 1 |
| No. of students 60-69 | 7 | No. of students 10-19 | 5 |
| No. of students 50-59 | 3 | No. of students 0-9 | 0 |

| Questionwise Analysis | 0 | | | | | Part A - 10 Marks | | | | | | | | Part A - 10 Marks | | | |
|--|------------------|-------|-------|-------|-------|-------------------|----------|---------|----------|---------|----------|---------|----------|-------------------|----------|---------|----------|
| | Q1 | Q2 | Q3 | Q4 | Q5 | 6 a) I) | 6 a) II) | 6 b) I) | 6 b) II) | 7 a) I) | 7 a) II) | 7 b) I) | 7 b) II) | 8 a) I) | 8 a) II) | 8 b) I) | 8 b) II) |
| No of questions attended by the Students | 61 | 61 | 61 | 60 | 57 | 17 | NA | 42 | NA | 29 | NA | 27 | NA | 47 | NA | 11 | NA |
| No of questions not attended by the Students | 0 | 0 | 0 | 1 | 4 | 44 | NA | 19 | NA | 32 | NA | 34 | NA | 14 | NA | 50 | NA |
| Total Marks Secured for the questions | 107 | 76 | 90 | 97 | 85 | 169 | 0 | 553 | 0 | 385 | 0 | 341 | 0 | 260 | 0 | 71 | 0 |
| Percentage of Marks Obtained for the questions | 87.70 | 62.30 | 73.77 | 80.83 | 74.56 | 62.13 | NA | 82.29 | NA | 82.97 | NA | 78.94 | NA | 69.15 | NA | 80.68 | NA |
| | Part A - 2 Marks | | | | | Part B - 13 Marks | | | | | | | | Part B - 13 Marks | | | |
| Secured Full Mark | 47 | 37 | 36 | 47 | 33 | 0 | | | | | | | | 0 | | | 0 |
| Secured Above Average Mark & Below Full Mark | 13 | 2 | 18 | 3 | 19 | 12 | | | | | | | | 40 | | | 28 |
| Secured Below Average Mark | 0 | 0 | 0 | 0 | 0 | 3 | | | | | | | | 2 | | | 28 |
| Secured Zero | 1 | 22 | 7 | 10 | 5 | 2 | | | | | | | | 0 | | | 1 |



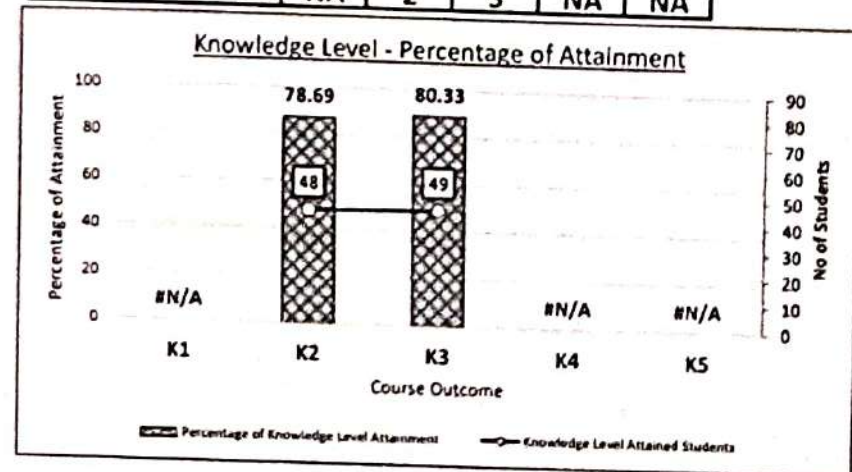
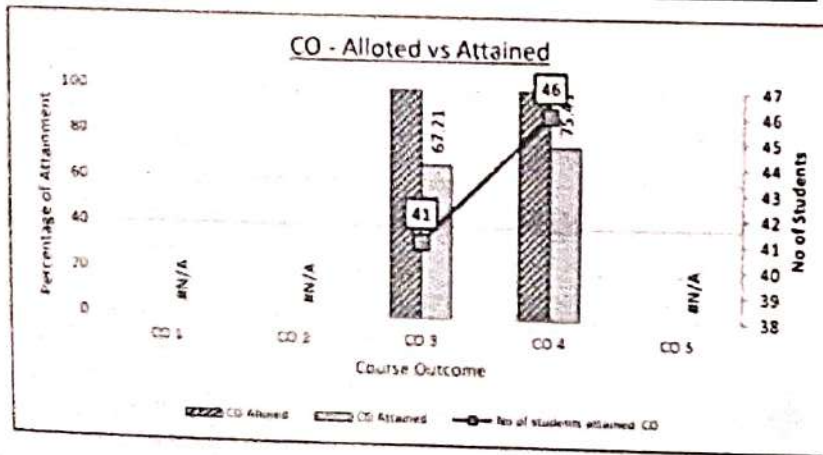


Course Outcome wise Analysis

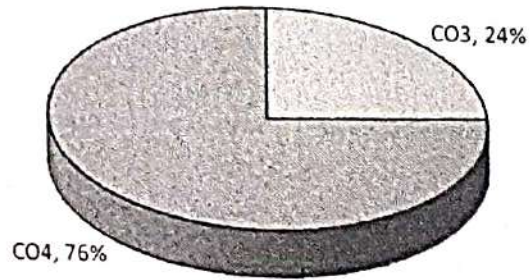
| Particulars | CO 1 | CO 2 | CO 3 | CO 4 | CO 5 |
|------------------------------|------|------|-------|-------|------|
| Secured Full Mark | NA | NA | 0 | 0 | NA |
| Secured Above Average Mark | NA | NA | 53 | 54 | NA |
| Secured Below Average Mark | NA | NA | 8 | 7 | NA |
| Secured Zero | NA | NA | 0 | 0 | NA |
| CO Alloted | 0 | 0 | 744 | 2356 | 0 |
| CO Attained | 0 | 0 | 514 | 1720 | 0 |
| CO Attained (In Percentage) | NA | NA | 69.09 | 73.01 | NA |
| Maximum per CO | 0 | 0 | 11 | 36 | 0 |
| 70 % Max of CO | 0 | 0 | 7.7 | 25.2 | 0 |
| No of students attained CO | NA | NA | 41 | 46 | NA |
| CO Attainment Percentage | NA | NA | 67.21 | 75.41 | NA |
| Attainment Level | NA | NA | 1 | 2 | NA |

Knowledge Level wise Analysis

| Particulars | K1 | K2 | K3 | K4 | K5 |
|-----------------------------|-----|-------|-------|-----|-----|
| Secured Full Mark | NIL | 6 | 0 | NIL | NIL |
| Secured Above Average Mark | NIL | 50 | 54 | NIL | NIL |
| Secured Below Average Mark | NIL | 5 | 5 | NIL | NIL |
| Secured Zero | NIL | 0 | 2 | NIL | NIL |
| Knowledge Level Alloted | 0 | 620 | 0 | 0 | 0 |
| Knowledge Level Attained | 0 | 455 | 0 | 0 | 0 |
| Attainment (In Percentage) | NA | 73.39 | NA | NA | NA |
| Maximum per Knowledge Level | 0 | 10 | 37 | 0 | 0 |
| 70 % Max of K Level | 0 | 7 | 25.9 | 0 | 0 |
| No of students attained | NA | 48 | 49 | NA | NA |
| Attainment Percentage | NA | 78.69 | 80.33 | NA | NA |
| Attainment Level | NA | 2 | 3 | NA | NA |



Course Outcome Distribution for the Cycle Test



Knowledge Level wise Question Distribution



| CO-PO - Attainment - Cycle Test 2 | | | | | | | | | | | | | | |
|-----------------------------------|------|------|------|------|------|------|------|------|------|-------|-------|-------|-------|-------|
| CO | PO 1 | PO 2 | PO 3 | PO 4 | PO 5 | PO 6 | PO 7 | PO 8 | PO 9 | PO 10 | PO 11 | PO 12 | PSO 1 | PSO 2 |
| 21AD314.1 | NA | NA | NA | - | NA | - | - | - | NA | - | - | NA | NA | NA |
| 21AD314.2 | NA | NA | NA | - | NA | - | - | - | NA | - | - | NA | NA | NA |
| 21AD314.3 | 0.67 | 0.67 | 0.67 | - | 0.67 | - | - | - | 0.33 | - | - | 0.33 | 0.67 | 0.67 |
| 21AD314.4 | 1.33 | 1.33 | 1.33 | - | 1.33 | - | - | - | 0.67 | - | - | 0.67 | 1.33 | 1.33 |
| 21AD314.5 | NA | NA | NA | - | NA | - | - | - | NA | - | - | NA | NA | NA |

Note

NA - Not Applicable

Attainment Level 1

60 % Students secured more than Target Value

Attainment Level 2

70 % Students secured more than Target Value

Attainment Level 3

80 % Students secured more than Target Value

Action Plan Report for the Attainment of CO

| CO | Target Value | Actual Attainment | CO Attained ? | Attainment GAP in Percentage | Action Plan to Bridge the Gap |
|-----------|---------------------|-------------------|---------------|------------------------------|--------------------------------|
| 21AD314.1 | 70 %of Maximum Mark | NA | NA | NA | |
| 21AD314.2 | 70 %of Maximum Mark | NA | NA | NA | |
| 21AD314.3 | 70 %of Maximum Mark | 67.21 % | Not Attained | -2.79 % | Need to Solve Complex Programs |
| 21AD314.4 | 70 %of Maximum Mark | 75.41 % | Attained | 5.41 % | |
| 21AD314.5 | 70 %of Maximum Mark | NA | NA | NA | |

HoD Remarks

Co attainment to be improved.

[Signature]
Staff Incharge

[Signature]
Chairperson

[Signature]
HoD

| | |
|---------------|-----------------------------|
| Course | B.E |
| Year & Branch | IV & Mechanical Engineering |
| Semester | 7 |
| Staff Name | B.K.Parthipan |
| Academic Year | 2023 - 2024 |
| Regulation | R 2020 |

Please Enter the PQ - CO Mapping for the subject

| | | | |
|---------------|--------------------------|-------------|----------|
| Cycle Test No | 1 | 2 | 3 |
| Date of Exam | 02.09.23 | 17.10.23 | 16.11.23 |
| Subject Name | Total Quality Management | | |
| Subject Code | GE2201 | Course Code | 20C435 |

| | |
|---|------|
| Enter the Internal Target Value | 60 % |
| Enter the University Grade Target Value | B |

| CO | Course Outcome | P01 | P02 | P03 | P04 | P05 | P06 | P07 | P08 | P09 | P010 | P011 | P012 | PS01 | PS02 |
|----------|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|------|
| 20C435.1 | Ability to apply TQM concepts in a selected enterprise | - | - | - | - | - | M | M | M | H | H | M | M | L | M |
| 20C435.2 | Ability to apply TQM principles in a selected enterprise | - | - | - | - | - | M | M | M | H | H | M | M | L | M |
| 20C435.3 | Ability to understand Taguchi techniques, Performance Measures, QFD, HOQ | - | - | - | - | - | M | M | M | H | H | M | M | L | M |
| 20C435.4 | Ability to understand Six Sigma and apply Traditional tools, New tools, Benchmarking. | - | - | - | - | - | M | M | M | H | H | M | M | L | M |
| 20C435.5 | To confirm quality standards and implementing QMS in business organization | - | - | - | - | - | M | M | M | H | H | M | M | L | M |

| CO No | Course Outcome | Assessment Tools | | | |
|----------|---|------------------|--------------|---|---|
| | | 1 | 2 | 3 | 4 |
| 20C435.1 | Ability to apply TQM concepts in a selected enterprise | Cycle Test 1 | Assignment 1 | | |
| 20C435.2 | Ability to apply TQM principles in a selected enterprise. | Cycle Test 1 | | | |
| 20C435.3 | Ability to understand Taguchi techniques, Performance Measures, QFD, HOQ | Cycle Test 2 | Assignment 2 | | |
| 20C435.4 | Ability to understand Six Sigma and apply Traditional tools, New tools, Benchmarking. | Cycle Test 2 & 3 | | | |
| 20C435.5 | To confirm quality standards and implementing QMS in business organization | Cycle Test 3 | Assignment 3 | | |

| Cycle Test - CO wise Coverage | | | |
|-------------------------------|-----|-----|--|
| 1 | 2 | 3 | |
| 100 | | | |
| 100 | | | |
| | 100 | | |
| | 50 | 50 | |
| | | 100 | |

| Assesment Tools (Weightages in %) | | | | |
|-----------------------------------|----|---|---|----------|
| 1 | 2 | 3 | 4 | Verified |
| 60 | 40 | | | 100 |
| 100 | | | | 100 |
| 60 | 40 | | | 100 |
| 100 | | | | 100 |
| 60 | 40 | | | 100 |

| CO NO | Course Outcomes | P01 | P02 | P03 | P04 | P05 | P06 | P07 | P08 | P09 | P010 | P011 | P012 | PS01 | PS02 |
|-------|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|------|
| 1 | Ability to apply TQM concepts in a selected enterprise | - | - | - | - | - | 2 | 2 | 2 | 3 | 3 | 2 | 2 | 1 | 2 |
| 2 | Ability to apply TQM principles in a selected enterprise. | - | - | - | - | - | 2 | 2 | 2 | 3 | 3 | 2 | 2 | 1 | 2 |
| 3 | Ability to understand Taguchi techniques, Performance Measures, QFD, HOQ | - | - | - | - | - | 2 | 2 | 2 | 3 | 3 | 2 | 2 | 1 | 2 |
| 4 | Ability to understand Six Sigma and apply Traditional tools, New tools, Benchmarking. | - | - | - | - | - | 2 | 2 | 2 | 3 | 3 | 2 | 2 | 1 | 2 |
| 5 | To confirm quality standards and implementing QMS in business organization | - | - | - | - | - | 2 | 2 | 2 | 3 | 3 | 2 | 2 | 1 | 2 |
| | Average | - | - | - | - | - | 2 | 2 | 2 | 3 | 3 | 2 | 2 | 1 | 2 |

KAMARAJ

COLLEGE OF ENGINEERING & TECHNOLOGY

B.P.G. Chidambaram Road - C. Nagarajapuram Campus,
S.P.O.C. Nagar, K. Vellakulam - 625 701, Near Virudhunagar, Madurai District.
Accredited by NAAC with "A" Grade

| | |
|---------------|-----------------------------|
| Course | B.E |
| Year & Branch | IV & Mechanical Engineering |
| Semester | 7 |
| Staff Name | B.K.Parthipan |
| Academic Year | 2023 - 2024 |
| Regulation | R 2020 |

Please Enter the PO - CO Mapping for the subject

| | | | |
|---------------|--------------------------|-------------|--------|
| Cycle Test No | 1 | 2 | 3 |
| Date of Exam | 02.09.23 | | |
| Subject Name | Total Quality Management | | |
| Subject Code | GE2201 | Course Code | 20C435 |

| | |
|---|-------------|
| Enter the Internal Target Value | 60 % |
| Enter the University Grade Target Value | B |

| CO | Course Outcome | P01 | P02 | P03 | P04 | P05 | P06 | P07 | P08 | P09 | P010 | P011 | P012 | PS01 | PS02 |
|----------|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|------|
| 20C435.1 | Ability to apply TQM concepts in a selected enterprise | - | - | - | - | - | M | M | M | H | H | M | M | L | M |
| 20C435.2 | Ability to apply TQM principles in a selected enterprise. | - | - | - | - | - | M | M | M | H | H | M | M | L | M |
| 20C435.3 | Ability to understand Taguchi techniques, Performance Measures, QFD, HOQ | - | - | - | - | - | M | M | M | H | H | M | M | L | M |
| 20C435.4 | Ability to understand Six Sigma and apply Traditional tools, New tools, Benchmarking. | - | - | - | - | - | M | M | M | H | H | M | M | L | M |
| 20C435.5 | To confirm quality standards and implementing QMS in business organization | - | - | - | - | - | M | M | M | H | H | M | M | L | M |

| CO No | Course Outcome | Assessment Tools | | | |
|----------|--|------------------|--------------|---|---|
| | | 1 | 2 | 3 | 4 |
| 20C435.1 | Ability to apply TQM concepts in a selected enterprise | Cycle Test 1 | Assignment 1 | | |
| 20C435.2 | Ability to apply TQM principles in a selected enterprise. | Cycle Test 1 | | | |
| 20C435.3 | Ability to understand Taguchi techniques, Performance Measures, QFD, HOQ | Cycle Test 2 | Assignment 2 | | |
| 20C435.4 | Ability to understand Six Sigma and apply Traditional tools, New tools, Benchmarking | Cycle Test 2 & 3 | | | |
| 20C435.5 | To confirm quality standards and implementing QMS in business organization | Cycle Test 3 | Assignment 3 | | |

| Cycle Test - CO wise Coverage | | |
|-------------------------------|-----|-----|
| 1 | 2 | 3 |
| 100 | | |
| 100 | | |
| | 100 | |
| | 50 | 50 |
| | | 100 |

| Assesment Tools (Weightages in %) | | | | Verified |
|------------------------------------|----|---|---|----------|
| 1 | 2 | 3 | 4 | |
| 60 | 40 | | | 100 |
| 100 | | | | 100 |
| 60 | 40 | | | 100 |
| 100 | | | | 100 |
| 60 | 40 | | | 100 |

| CO NO | Course Outcomes | P01 | P02 | P03 | P04 | P05 | P06 | P07 | P08 | P09 | P010 | P011 | P012 | PS01 | PS02 |
|-------|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|------|
| 1 | Ability to apply TQM concepts in a selected enterprise | - | - | - | - | - | 2 | 2 | 2 | 3 | 3 | 2 | 2 | 1 | 2 |
| 2 | Ability to apply TQM principles in a selected enterprise. | - | - | - | - | - | 2 | 2 | 2 | 3 | 3 | 2 | 2 | 1 | 2 |
| 3 | Ability to understand Taguchi techniques, Performance Measures, QFD, HOQ | - | - | - | - | - | 2 | 2 | 2 | 3 | 3 | 2 | 2 | 1 | 2 |
| 4 | Ability to understand Six Sigma and apply Traditional tools, New tools, Benchmarking. | - | - | - | - | - | 2 | 2 | 2 | 3 | 3 | 2 | 2 | 1 | 2 |
| 5 | To confirm quality standards and implementing QMS in business organization | - | - | - | - | - | 2 | 2 | 2 | 3 | 3 | 2 | 2 | 1 | 2 |
| | Average | - | - | - | - | - | 2 | 2 | 2 | 3 | 3 | 2 | 2 | 1 | 2 |

| Cycle Test No | | 1 | Name | Part A -10 Marks | | | | | Part C - 32 Marks | | | | | | | | Part B - 8 Marks | | | | Total | Total | |
|---------------|----------|-----------------------|------|-------------------|-----|-----|-----|-----|-------------------|--------|---------|--------|---------|--------|---------|--------|------------------|--------|---------|--------|-------|-------|---------|
| S.No | Roll No | | | Course Outcome NO | Q1 | Q2 | Q3 | Q4 | Q5 | 7 a) i | 7 a) ii | 7 b) i | 7 b) ii | 8 a) i | 8 a) ii | 8 b) i | 8 b) ii | 6 a) i | 6 a) ii | 6 b) i | | | 6 b) ii |
| | | | | Marks Allotted | CO1 | CO1 | CO1 | CO2 | CO2 | CO1 | NA | CO1 | NA | CO2 | NA | CO2 | NA | CO1 | NA | CO1 | | | NA |
| | | | | Knowledge Level | K2 | K2 | K3 | K2 | K3 | 16 | | 16 | | 16 | | 16 | | 8 | | 8 | | | |
| 1 | 20UME001 | SAKTHIVEL.K | 1 | 1 | 1 | | | 14 | | | | | | 14 | | | | 7 | | 38 | 76 | | |
| 2 | 20UME002 | RAHUL.K | | 1 | | 1 | | 12 | | | | | | 12 | | | | 6 | | 32 | 64 | | |
| 3 | 20UME003 | LOGESH.A | 1 | | | | | 13 | | | | | | 13 | | | | 7 | | 34 | 68 | | |
| 4 | 20UME004 | RAJA SRINIVAS.M | 1 | | | 1 | | 12 | | | | | | 12 | | | | 6 | | 32 | 64 | | |
| 5 | 20UME005 | SANTHOSH.V | 1 | | 2 | | | 12 | | | | | | 13 | | | | 6 | | 34 | 68 | | |
| 6 | 20UME006 | VUAY.D | 2 | 2 | 2 | 1 | | 12 | | | | | | 10 | | | | 6 | | 35 | 70 | | |
| 7 | 20UME007 | HARISH.S | 2 | 1 | | 1 | 2 | | | 6 | | | | 8 | | | | 6 | | 26 | 52 | | |
| 8 | 20UME008 | DHANUSH KUMAR.M | | | | | | | | | | | | | | | | | | AB | AB | | |
| 9 | 20UME009 | ALPHONSE SAM ANTO.G | 2 | 1 | 1 | | 1 | 12 | | | | | | 10 | | | | 6 | | 33 | 66 | | |
| 10 | 20UME010 | SHANMUGASUNDARAM.M | 1 | | | | | | | | | | | | | | | | | 1 | 2 | | |
| 11 | 20UME011 | VIGNESH.L | 1 | | | | | 12 | | | | | | | | | | | | 31 | 62 | | |
| 12 | 20UME012 | MANOJ KUMAR.M | 1 | 1 | 1 | 1 | 1 | | | | | | | 12 | | | | 6 | | 31 | 62 | | |
| 13 | 20UME013 | ARULMURUGAN.K | 1 | 1 | | | | | | 10 | | | | 10 | | | | 6 | | 31 | 62 | | |
| 14 | 20UME014 | NAVANEETHA KRISHNAN.P | 1 | | | 1 | | 12 | | 2 | | | | 10 | | | | 6 | | 20 | 40 | | |
| 15 | 20UME015 | ANANTHA KANNAN.K | 1 | 1 | | 1 | | | | | | | | 12 | | | | 6 | | 32 | 64 | | |
| 16 | 20UME016 | JAIDEEP KUMAR.K | 1 | 1 | | 1 | 1 | 12 | | | | | | 12 | | | | 6 | | 21 | 42 | | |
| 17 | 20UME017 | SHYAM.M.DA | 1 | | 2 | 1 | 1 | 13 | | | | | | 12 | | | | 6 | | 34 | 68 | | |
| 18 | 20UME018 | MAREESWARAN.R | 1 | 1 | | 1 | | 10 | | | | | | 13 | | | | 7 | | 38 | 76 | | |
| 19 | 20UME019 | JEEVA.K | 1 | 1 | 1 | 1 | | 13 | | | | | | 12 | | | | 7 | | 32 | 64 | | |
| 20 | 20UME020 | BALAMANIKANDAN.V | 2 | 1 | 2 | 1 | 2 | 12 | | | | | | 13 | | | | 6 | | 36 | 72 | | |
| 21 | 20UME021 | BHARATH.M | 2 | 2 | 2 | | 2 | 14 | | | | | | 12 | | | | 6 | | 38 | 76 | | |
| 22 | 20UME022 | SAIKISHORE.K | 1 | 1 | | 1 | | 12 | | | | 14 | | | | 7 | | | | 43 | 86 | | |
| 23 | 20UME023 | SIVAGURU.U | 1 | | 1 | 1 | | 13 | | | | | | | | | | 6 | | 34 | 68 | | |
| 24 | 20UME024 | SIVARAJ.K | 1 | | | | | | | | | | | 13 | | 7 | | | | 36 | 72 | | |
| 25 | 20UME025 | SHYAM GANESH.V | 1 | 1 | 1 | 1 | 1 | 12 | | 12 | | | | 12 | | | | 6 | | 31 | 62 | | |
| 26 | 20UME026 | SHANMUGAPRIYAN.A.G | 1 | 1 | | | | 12 | | | | | | 12 | | | | 6 | | 35 | 70 | | |
| 27 | 20UME027 | KALAI SELVAN.R | | | | | | 9 | | | | | | 12 | | | | 6 | | 32 | 64 | | |
| 28 | 20UME028 | HARIHARAN.N | | 1 | | 1 | 1 | | | | | | | 10 | | 6 | | | | 25 | 50 | | |
| 29 | 20UME029 | THANGARAJ.T | 1 | | | 1 | 1 | 10 | | 6 | | | | | | | | 6 | | 15 | 30 | | |
| 30 | 20UME030 | HARISURIYA.M | 1 | 1 | 1 | | | 12 | | | | | | 8 | | | | 6 | | 27 | 54 | | |
| 31 | 20UME031 | PREM KUMAR.V.V | 1 | 1 | | | 1 | 9 | | | | | | 12 | | | | 6 | | 33 | 66 | | |
| 32 | 20UME032 | PRAVEEN.C | 1 | | 1 | 1 | 1 | | | | | | | 9 | | | | 6 | | 27 | 54 | | |
| 33 | 20UME033 | SILAMPARASAN.P | 1 | | 1 | | 1 | 14 | | | | | | 10 | | | | 6 | | 20 | 40 | | |
| 34 | 20UME034 | SATHISHKUMAR.D | 1 | 1 | 2 | | 2 | 10 | | | | | | 14 | | | | 7 | | 38 | 76 | | |
| 35 | 20UME036 | KARTHIGAI SELVAN.R | 2 | 2 | 2 | 2 | 2 | 10 | | | | | | 4 | | | | 5 | | 25 | 50 | | |
| 36 | 20UME037 | THIRUMALAI RAJ.K | | | | | | 12 | | | | | | 15 | | | | 8 | | 43 | 86 | | |
| 37 | 20UME038 | NAGENDRAN.J | | | | | | | | | | | | 12 | | | | 6 | | 30 | 60 | | |

AB AB

Cycle Test 1 Result Analysis

| | |
|--------------------|-----------------------------|
| Subject Name | Total Quality Management |
| Subject Code | GE2201 |
| Year and Branch | IV & Mechanical Engineering |
| Subject Handled by | B.K.Parrthipan |

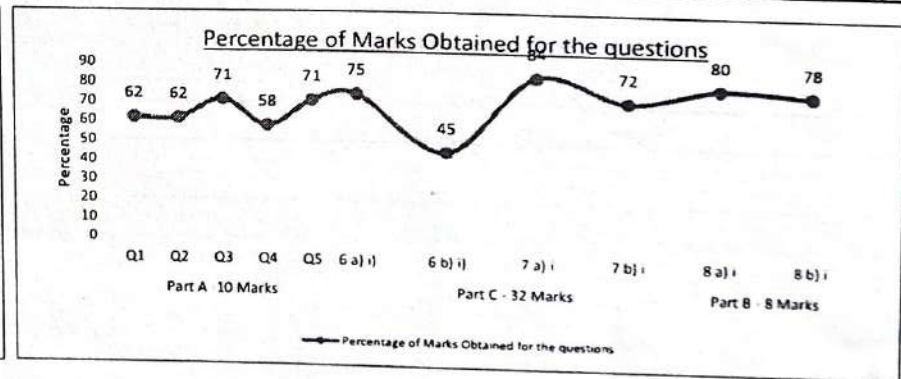
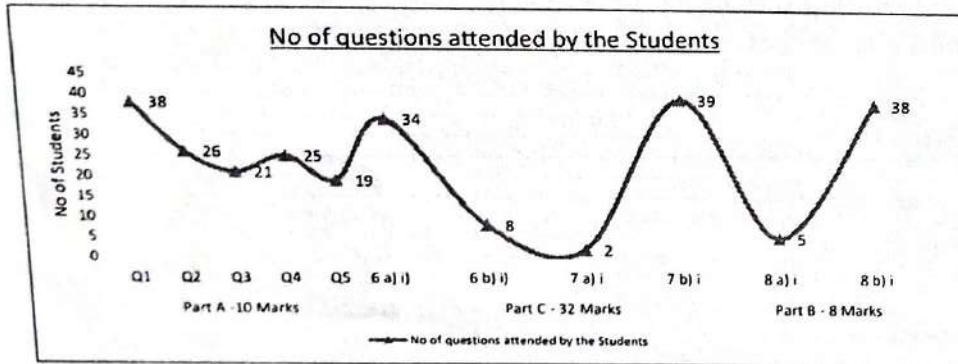


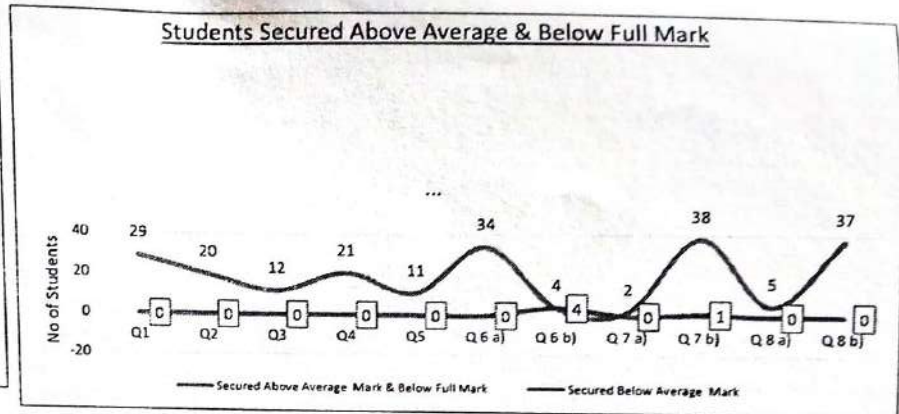
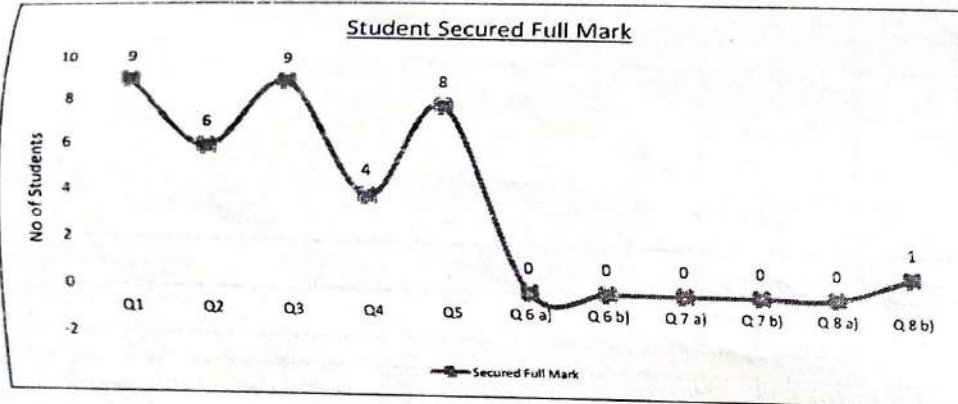
| Unit Test Analysis | No |
|-----------------------|-------|
| Total No of Students | 48 |
| No of Students Pass | 39 |
| No of Students Fail | 6 |
| No of Students Absent | 3 |
| Total Attended | 45 |
| Maximum Mark | 90 |
| Average Mark | 61.16 |

| | |
|--|---------|
| Pass Percentage (Based on Strength) | 81.25 % |
| Pass Percentage (Based on Students Attended) | 86.67 % |

| Mark based Analysis | | | |
|--------------------------|----|-----------------------|---|
| No. of students above 90 | 0 | No. of students 40-49 | 3 |
| No. of students 80-89 | 4 | No. of students 30-39 | 1 |
| No. of students 70-79 | 10 | No. of students 20-29 | 0 |
| No. of students 60-69 | 17 | No. of students 10-19 | 0 |
| No. of students 50-59 | 8 | No. of students 0-9 | 2 |

| Questionwise Analysis | Part A - 10 Marks | | | | | Part C - 32 Marks | | | | | | | | Part B - 8 Marks | | | |
|--|-------------------|-------|-------|-------|-------|-------------------|----------|---------|----------|-------------------|----------|---------|----------|------------------|----------|---------|----------|
| | Q1 | Q2 | Q3 | Q4 | Q5 | 6 a) i) | 6 a) ii) | 6 b) i) | 6 b) ii) | 7 a) i) | 7 a) ii) | 7 b) i) | 7 b) ii) | 8 a) i) | 8 a) ii) | 8 b) i) | 8 b) ii) |
| No of questions attended by the Students | 38 | 26 | 21 | 25 | 19 | 34 | NA | 8 | NA | 2 | NA | 39 | NA | 5 | NA | 38 | NA |
| No of questions not attended by the Students | 7 | 19 | 24 | 20 | 26 | 11 | NA | 37 | NA | 43 | NA | 6 | NA | 40 | NA | 7 | NA |
| Total Marks Secured for the questions | 47 | 32 | 30 | 29 | 27 | 406 | 0 | 58 | 0 | 27 | 0 | 452 | 0 | 32 | 0 | 236 | 0 |
| Percentage of Marks Obtained for the questions | 61.84 | 61.54 | 71.43 | 58.00 | 71.05 | 74.63 | NA | 45.31 | NA | 84.38 | NA | 72.44 | NA | 80.00 | NA | 77.63 | NA |
| | Part A - 2 Marks | | | | | Part B - 13 Marks | | | | Part B - 13 Marks | | | | | | | |
| Secured Full Mark | 9 | 6 | 9 | 4 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| Secured Above Average Mark & Below Full Mark | 29 | 20 | 12 | 21 | 11 | 34 | 4 | 2 | 38 | 5 | 37 | 0 | 0 | 0 | 0 | 0 | 0 |
| Secured Below Average Mark | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Secured Zero | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |



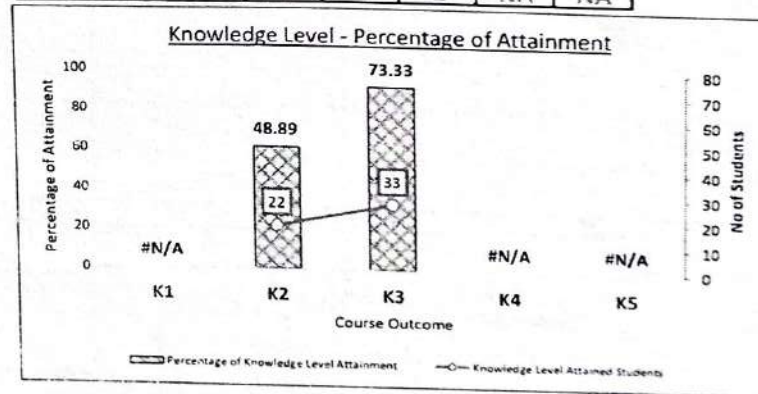
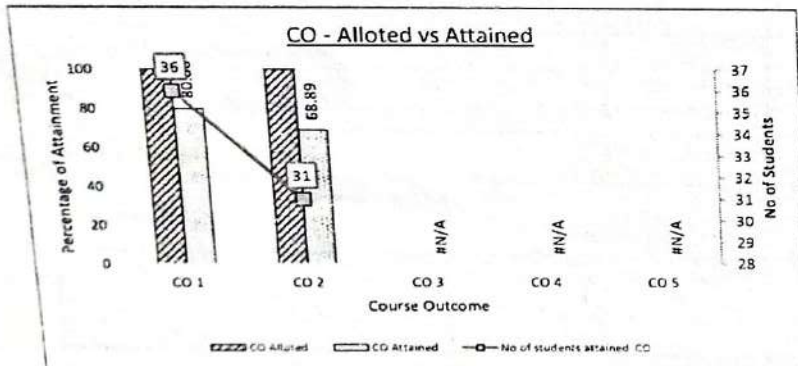


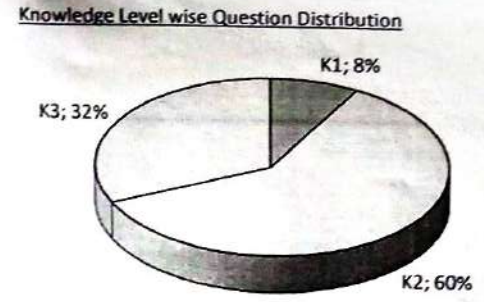
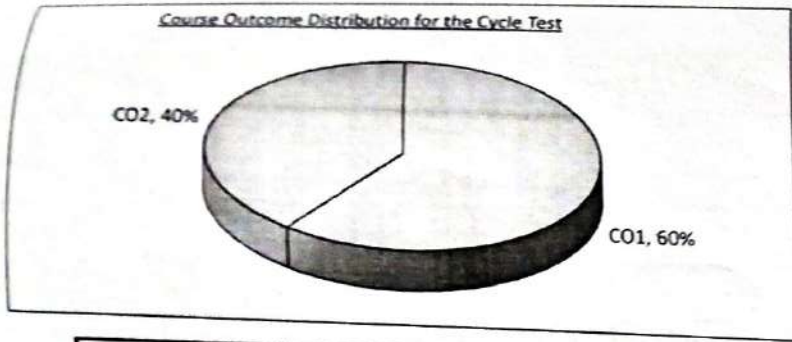
Course Outcome wise Analysis

| Particulars | CO 1 | CO 2 | CO 3 | CO 4 | CO 5 |
|------------------------------|-------|-------|------|------|------|
| Secured Full Mark | 0 | 0 | NA | NA | NA |
| Secured Above Average Mark | 39 | 40 | NA | NA | NA |
| Secured Below Average Mark | 6 | 3 | NA | NA | NA |
| Secured Zero | 0 | 2 | NA | NA | NA |
| CO Alloted | 1440 | 960 | 0 | 0 | 0 |
| CO Attained | 841 | 535 | 0 | 0 | 0 |
| CO Attained (In Percentage) | 58.40 | 55.73 | NA | NA | NA |
| Maximum per CO | 27 | 19 | 0 | 0 | 0 |
| 60 % Max of CO | 16.2 | 11.4 | 0 | 0 | 0 |
| No of students attained CO | 36 | 31 | NA | NA | NA |
| CO Attainment Percentage | 80.00 | 68.89 | NA | NA | NA |
| Attainment Level | 2 | 1 | NA | NA | NA |

Knowledge Level wise Analysis

| Particulars | K1 | K2 | K3 | K4 | K5 |
|-----------------------------|-----|-------|-------|-----|-----|
| Secured Full Mark | NIL | 1 | 0 | NIL | NIL |
| Secured Above Average Mark | NIL | 39 | 37 | NIL | NIL |
| Secured Below Average Mark | NIL | 4 | 7 | NIL | NIL |
| Secured Zero | NIL | 1 | 1 | NIL | NIL |
| Knowledge Level Alloted | 0 | 672 | 1728 | 0 | 0 |
| Knowledge Level Attained | 0 | 376 | 1000 | 0 | 0 |
| Attainment (In Percentage) | NA | 55.95 | 57.87 | NA | NA |
| Maximum per Knowledge Level | 0 | 14 | 32 | 0 | 0 |
| 60 % Max of K Level | 0 | 8.4 | 19.2 | 0 | 0 |
| No of students attained | NA | 22 | 33 | NA | NA |
| Attainment Percentage | NA | 48.89 | 73.33 | NA | NA |
| Attainment Level | NA | 0 | 2 | NA | NA |





CO-PO - Attainment - Cycle Test 1

| CO | PO 1 | PO 2 | PO 3 | PO 4 | PO 5 | PO 6 | PO 7 | PO 8 | PO 9 | PO 10 | PO 11 | PO 12 | PSO 1 | PSO 2 |
|----------|------|------|------|------|------|------|------|------|------|-------|-------|-------|-------|-------|
| 20C435.1 | - | - | - | - | - | 1.33 | 1.33 | 1.33 | 2.00 | 2.00 | 1.33 | 1.33 | 0.67 | 1.33 |
| 20C435.2 | - | - | - | - | - | 0.67 | 0.67 | 0.67 | 1.00 | 1.00 | 0.67 | 0.67 | 0.33 | 0.67 |
| 20C435.3 | - | - | - | - | - | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 20C435.4 | - | - | - | - | - | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 20C435.5 | - | - | - | - | - | NA | NA | NA | NA | NA | NA | NA | NA | NA |

Note
 NA - Not Applicable
Attainment Level 1
 60 % Students secured more than Target Value
Attainment Level 2
 70 % Students secured more than Target Value
Attainment Level 3
 80 % Students secured more than Target Value

Action Plan Report for the Attainment of CO

| CO | Target Value | Actual Attainment | CO Attained ? | Attainment GAP in Percentage | Action Plan to Bridge the Gap |
|----------|---------------------|-------------------|---------------|------------------------------|-------------------------------|
| 20C435.1 | 60 %of Maximum Mark | 80 % | Attained | 20 % | — |
| 20C435.2 | 60 %of Maximum Mark | 68.89 % | Attained | 8.89 % | — |
| 20C435.3 | 60 %of Maximum Mark | NA | NA | NA | |
| 20C435.4 | 60 %of Maximum Mark | NA | NA | NA | |
| 20C435.5 | 60 %of Maximum Mark | NA | NA | NA | |

HoD Remarks

B.K. Parthasarathy
 Staff Incharge

P. Chintamani
 Chairperson

S. Srinivasan
 HoD

Cycle Test 2 Result Analysis

| | |
|--------------------|-----------------------------|
| Subject Name | Total Quality Management |
| Subject Code | GE2201 |
| Year and Branch | IV & Mechanical Engineering |
| Subject Handled by | B.K.Parrthipan |

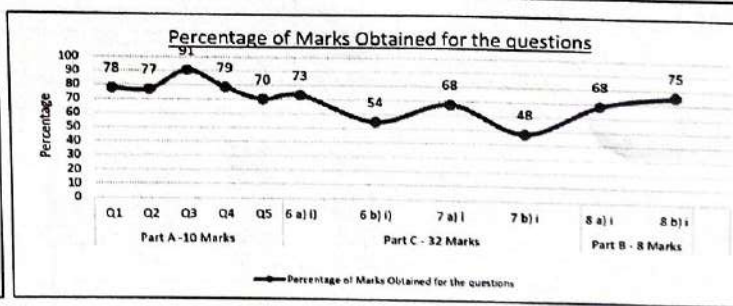
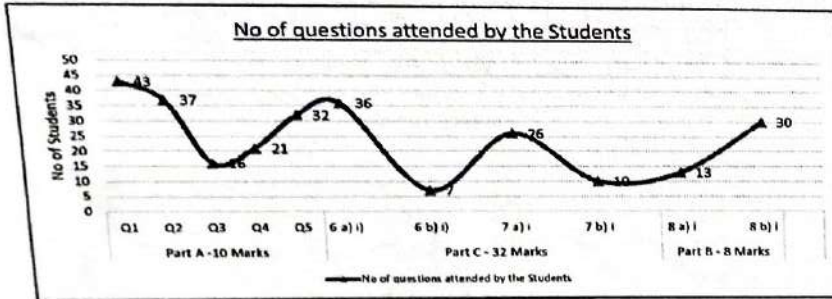
KAMARAJ
COLLEGE OF ENGINEERING & TECHNOLOGY
 S.P.G.Chittambara Nader - G. Maganamal Campus,
 S.P.G.C. Nagar, K. Vellakulam - 625 701, Near Virudhunagar, Madurai District.
 Accredited by NAAC with "A" Grade

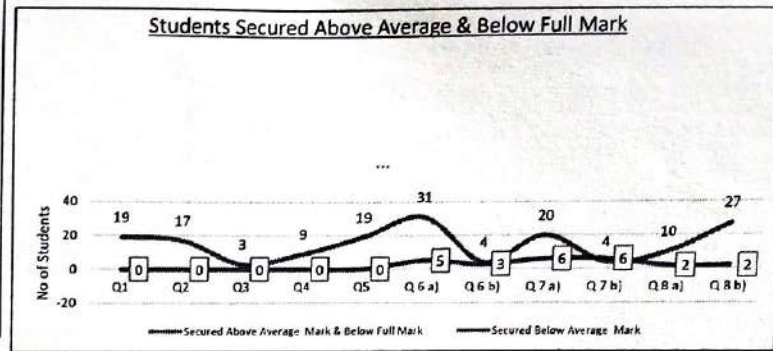
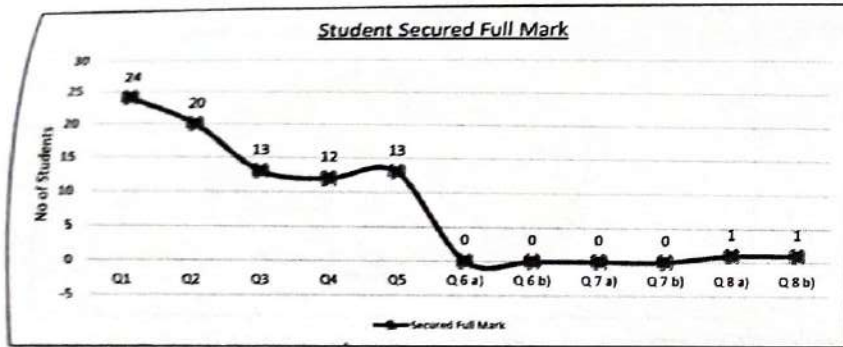
| Unit Test Analysis | No |
|-----------------------|-------|
| Total No of Students | 48 |
| No of Students Pass | 36 |
| No of Students Fail | 11 |
| No of Students Absent | 1 |
| Total Attended | 47 |
| Maximum Mark | 94 |
| Average Mark | 56.30 |

| | |
|--|---------|
| Pass Percentage (Based on Strength) | 75.00 % |
| Pass Percentage (Based on Students Attended) | 76.60 % |

| Mark based Analysis | | | |
|--------------------------|----|-----------------------|---|
| No. of students above 90 | 3 | No. of students 40-49 | 0 |
| No. of students 80-89 | 6 | No. of students 30-39 | 4 |
| No. of students 70-79 | 7 | No. of students 20-29 | 2 |
| No. of students 60-69 | 5 | No. of students 10-19 | 3 |
| No. of students 50-59 | 15 | No. of students 0-9 | 2 |

| Questionwise Analysis | Part A - 10 Marks | | | | | Part C - 32 Marks | | | | | | | | Part B - 8 Marks | | | |
|--|-------------------|-------|-------|-------|-------|-------------------|----------|---------|----------|-------------------|----------|---------|----------|------------------|----------|---------|----------|
| | Q1 | Q2 | Q3 | Q4 | Q5 | 6 a) i) | 6 a) ii) | 6 b) i) | 6 b) ii) | 7 a) i) | 7 a) ii) | 7 b) i) | 7 b) ii) | 8 a) i) | 8 a) ii) | 8 b) i) | 8 b) ii) |
| No of questions attended by the Students | 43 | 37 | 16 | 21 | 32 | 36 | NA | 7 | NA | 26 | NA | 10 | NA | 13 | NA | 30 | NA |
| No of questions not attended by the Students | 4 | 10 | 31 | 26 | 15 | 11 | NA | 40 | NA | 21 | NA | 37 | NA | 34 | NA | 17 | NA |
| Total Marks Secured for the questions | 67 | 57 | 29 | 33 | 45 | 422 | 0 | 61 | 0 | 281 | 0 | 76 | 0 | 71 | 0 | 181 | 0 |
| Percentage of Marks Obtained for the questions | 77.91 | 77.03 | 90.63 | 78.57 | 70.31 | 73.26 | NA | 54.46 | NA | 67.55 | NA | 47.50 | NA | 68.27 | NA | 75.42 | NA |
| | Part A - 2 Marks | | | | | Part B - 13 Marks | | | | Part B - 13 Marks | | | | | | | |
| Secured Full Mark | 24 | 20 | 13 | 12 | 13 | 0 | | | | 0 | | | | | | | |
| Secured Above Average Mark & Below Full Mark | 19 | 17 | 3 | 9 | 19 | 31 | | | | 4 | | | | | | | |
| Secured Below Average Mark | 0 | 0 | 0 | 0 | 0 | 5 | | | | 3 | | | | | | | |
| Secured Zero | 0 | 0 | 0 | 0 | 0 | 0 | | | | 0 | | | | | | | |



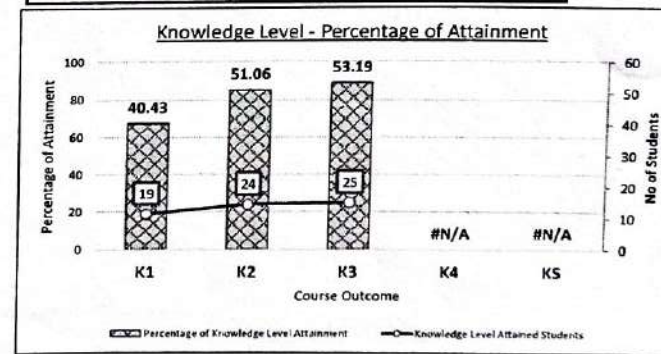
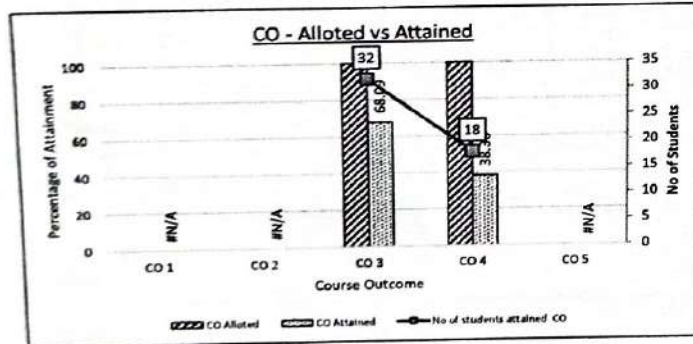


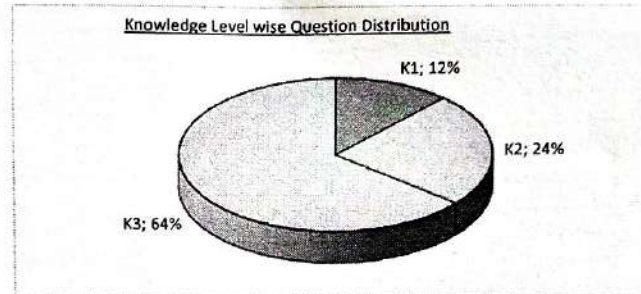
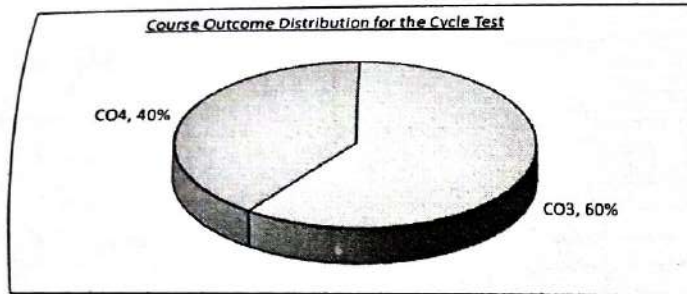
Course Outcome wise Analysis

| Particulars | CO 1 | CO 2 | CO 3 | CO 4 | CO 5 |
|------------------------------|------|------|-------|-------|------|
| Secured Full Mark | NA | NA | 0 | 0 | NA |
| Secured Above Average Mark | NA | NA | 38 | 22 | NA |
| Secured Below Average Mark | NA | NA | 9 | 22 | NA |
| Secured Zero | NA | NA | 0 | 3 | NA |
| CO Alloted | 0 | 0 | 1440 | 960 | 0 |
| CO Attained | 0 | 0 | 888 | 435 | 0 |
| CO Attained (In Percentage) | NA | NA | 61.67 | 45.31 | NA |
| Maximum per CO | 0 | 0 | 28 | 19 | 0 |
| 60 % Max of CO | 0 | 0 | 16.8 | 11.4 | 0 |
| No of students attained CO | NA | NA | 32 | 18 | NA |
| CO Attainment Percentage | NA | NA | 68.09 | 38.30 | NA |
| Attainment Level | NA | NA | 1 | 0 | NA |

Knowledge Level wise Analysis

| Particulars | K1 | K2 | K3 | K4 | K5 |
|-----------------------------|-------|-------|-------|-----|-----|
| Secured Full Mark | 7 | 1 | 0 | NIL | NIL |
| Secured Above Average Mark | 19 | 34 | 28 | NIL | NIL |
| Secured Below Average Mark | 18 | 11 | 17 | NIL | NIL |
| Secured Zero | 3 | 1 | 2 | NIL | NIL |
| Knowledge Level Alloted | 288 | 575 | 0 | 0 | 0 |
| Knowledge Level Attained | 141 | 342 | 0 | 0 | 0 |
| Attainment (In Percentage) | 48.96 | 59.38 | NA | NA | NA |
| Maximum per Knowledge Level | 6 | 12 | 30 | 0 | 0 |
| 60 % Max of K Level | 3.6 | 7.2 | 18 | 0 | 0 |
| No of students attained | 19 | 24 | 25 | NA | NA |
| Attainment Percentage | 40.43 | 51.06 | 53.19 | NA | NA |
| Attainment Level | 0 | 0 | 0 | NA | NA |





| CO-PO - Attainment - Cycle Test 2 | | | | | | | | | | | | | | |
|-----------------------------------|------|------|------|------|------|------|------|------|------|-------|-------|-------|-------|-------|
| CO | PO 1 | PO 2 | PO 3 | PO 4 | PO 5 | PO 6 | PO 7 | PO 8 | PO 9 | PO 10 | PO 11 | PO 12 | PSO 1 | PSO 2 |
| 20C435.1 | - | - | - | - | - | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 20C435.2 | - | - | - | - | - | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 20C435.3 | - | - | - | - | - | 0.67 | 0.67 | 0.67 | 1.00 | 1.00 | 0.67 | 0.67 | 0.33 | 0.67 |
| 20C435.4 | - | - | - | - | - | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 20C435.5 | - | - | - | - | - | NA | NA | NA | NA | NA | NA | NA | NA | NA |

Note

NA - Not Applicable

Attainment Level 1

60 % Students secured more than Target Value

Attainment Level 2

70 % Students secured more than Target Value

Attainment Level 3

80 % Students secured more than Target Value

| Action Plan Report for the Attainment of CO | | | | | |
|---|----------------------|-------------------|---------------|------------------------------|-------------------------------|
| CO | Target Value | Actual Attainment | CO Attained ? | Attainment GAP in Percentage | Action Plan to Bridge the Gap |
| 20C435.1 | 60 % of Maximum Mark | NA | NA | NA | |
| 20C435.2 | 60 % of Maximum Mark | NA | NA | NA | |
| 20C435.3 | 60 % of Maximum Mark | 68.09 % | Attained | 8.09 % | |
| 20C435.4 | 60 % of Maximum Mark | 38.3 % | Not Attained | -21.7 % | Peer enabled learning |
| 20C435.5 | 60 % of Maximum Mark | NA | NA | NA | |

HoD Remarks

B. P. Singh
Staff in charge

P. Dabhi
Chairperson

S. Singh
HoD
20/10/23

Cycle Test 3 Result Analysis

| | |
|--------------------|-----------------------------|
| Subject Name | Total Quality Management |
| Subject Code | GE2201 |
| Year and Branch | IV & Mechanical Engineering |
| Subject Handled by | B.K.Parrthipan |

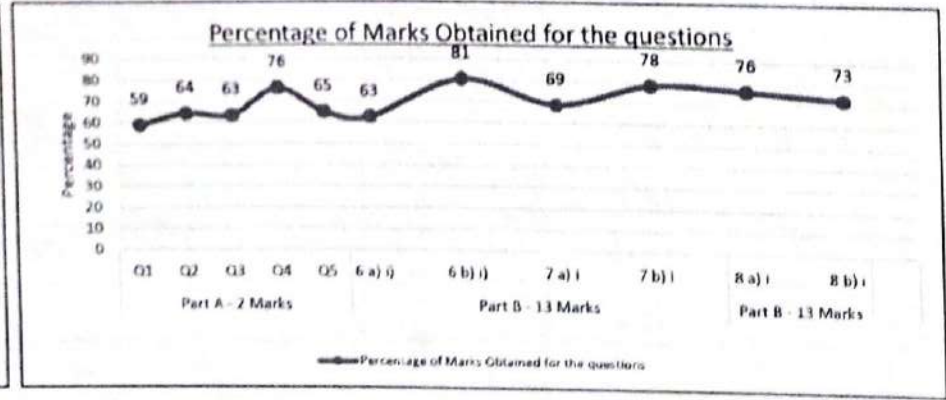
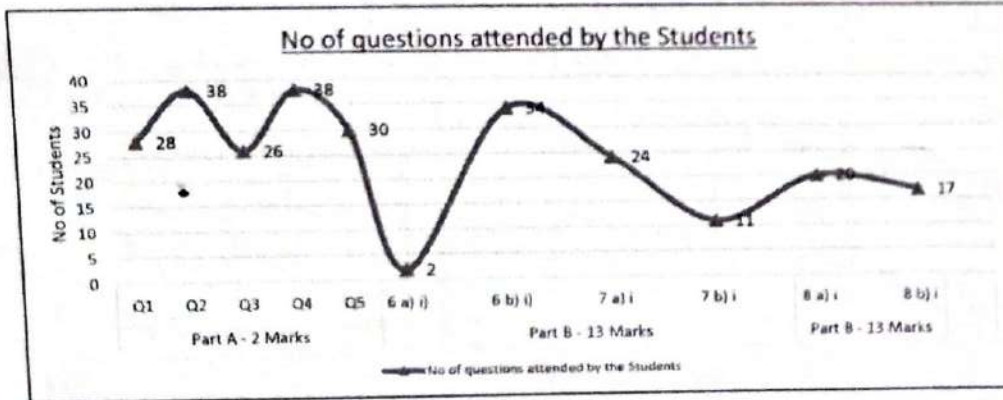


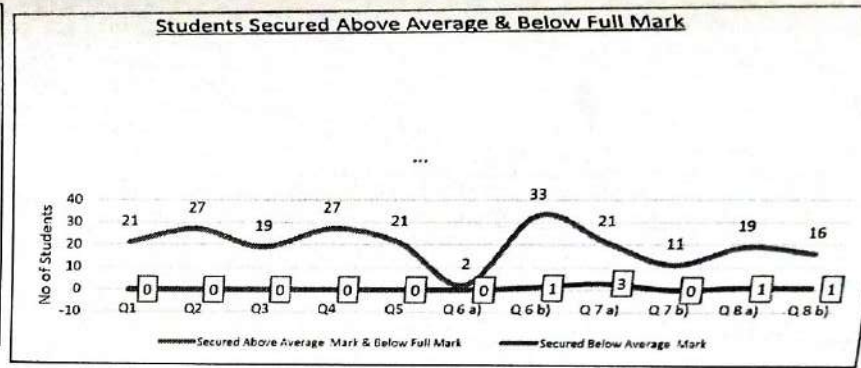
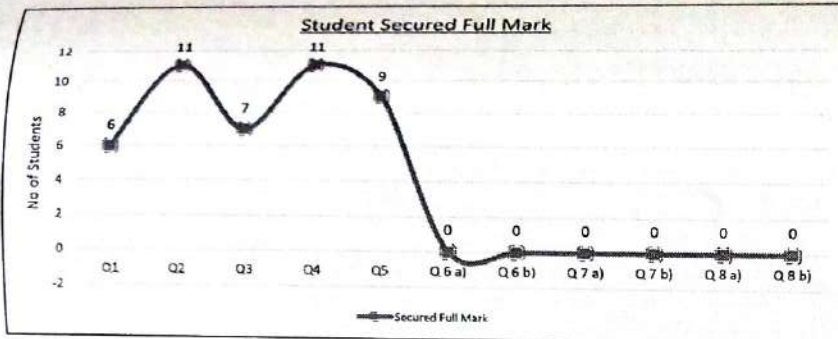
| Unit Test Analysis | No |
|-----------------------|-------|
| Total No of Students | 48 |
| No of Students Pass | 35 |
| No of Students Fail | 3 |
| No of Students Absent | 10 |
| Total Attended | 38 |
| Maximum Mark | 90 |
| Average Mark | 68.11 |

| | |
|--|---------|
| Pass Percentage (Based on Strength) | 72.92 % |
| Pass Percentage (Based on Students Attended) | 92.11 % |

| Mark based Analysis | | | |
|--------------------------|----|-----------------------|---|
| No. of students above 90 | 0 | No. of students 40-49 | 0 |
| No. of students 80-89 | 13 | No. of students 30-39 | 2 |
| No. of students 70-79 | 9 | No. of students 20-29 | 0 |
| No. of students 60-69 | 4 | No. of students 10-19 | 1 |
| No. of students 50-59 | 9 | No. of students 0-9 | 0 |

| Questionwise Analysis | Part A - 2 Marks | | | | | Part B - 13 Marks | | | | | | | | Part B - 13 Marks | | | |
|--|------------------|-------|-------|-------|-------|-------------------|----------|---------|----------|---------|----------|---------|----------|-------------------|----------|---------|----------|
| | Q1 | Q2 | Q3 | Q4 | Q5 | 6 a) i) | 6 a) ii) | 6 b) i) | 6 b) ii) | 7 a) i) | 7 a) ii) | 7 b) i) | 7 b) ii) | 8 a) i) | 8 a) ii) | 8 b) i) | 8 b) ii) |
| No of questions attended by the Students | 28 | 38 | 26 | 38 | 30 | 2 | NA | 34 | NA | 24 | NA | 11 | NA | 20 | NA | 17 | NA |
| No of questions not attended by the Students | 10 | 0 | 12 | 0 | 8 | 36 | NA | 4 | NA | 14 | NA | 27 | NA | 18 | NA | 21 | NA |
| Total Marks Secured for the questions | 33 | 49 | 33 | 58 | 39 | 20 | 0 | 439 | 0 | 264 | 0 | 138 | 0 | 122 | 0 | 99 | 0 |
| Percentage of Marks Obtained for the questions | 58.93 | 64.47 | 63.46 | 76.32 | 65.00 | 62.50 | NA | 80.70 | NA | 68.75 | NA | 78.41 | NA | 76.25 | NA | 72.79 | NA |
| | Part A - 2 Marks | | | | | Part B - 13 Marks | | | | | | | | Part B - 13 Marks | | | |
| Secured Full Mark | 6 | 11 | 7 | 11 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Secured Above Average Mark & Below Full Mark | 21 | 27 | 19 | 27 | 21 | 2 | 33 | 21 | 11 | 19 | 16 | 1 | 1 | 1 | 1 | 1 | 1 |
| Secured Below Average Mark | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Secured Zero | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |



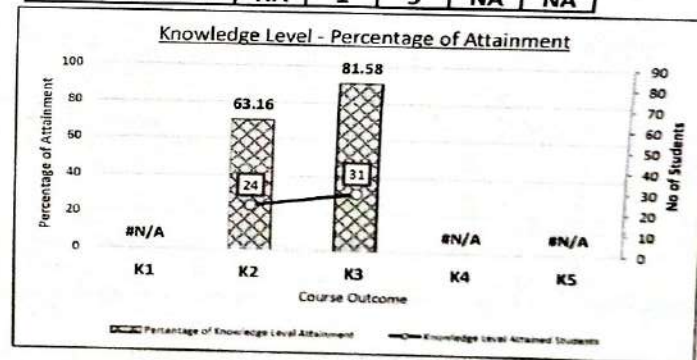
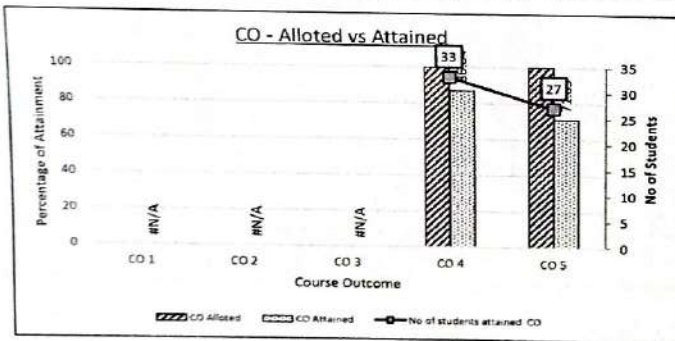


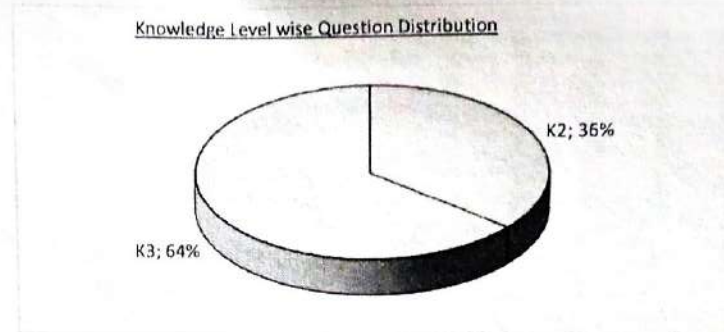
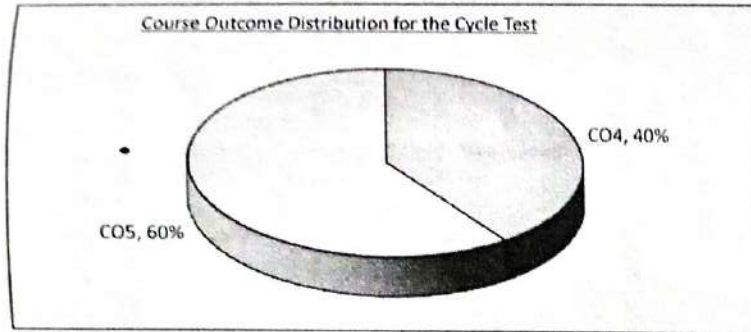
Course Outcome wise Analysis

| Particulars | CO 1 | CO 2 | CO 3 | CO 4 | CO 5 |
|------------------------------|------|------|------|-------|-------|
| Secured Full Mark | NA | NA | NA | 0 | 0 |
| Secured Above Average Mark | NA | NA | NA | 34 | 31 |
| Secured Below Average Mark | NA | NA | NA | 4 | 7 |
| Secured Zero | NA | NA | NA | 0 | 0 |
| CO Alloted | 0 | 0 | 0 | 960 | 1440 |
| CO Attained | 0 | 0 | 0 | 541 | 753 |
| CO Attained (In Percentage) | NA | NA | NA | 56.35 | 52.29 |
| Maximum per CO | 0 | 0 | 0 | 18 | 27 |
| 60 % Max of CO | 0 | 0 | 0 | 10.8 | 16.2 |
| No of students attained CO | NA | NA | NA | 33 | 27 |
| CO Attainment Percentage | NA | NA | NA | 86.84 | 71.05 |
| Attainment Level | NA | NA | NA | 3 | 2 |

Knowledge Level wise Analysis

| Particulars | K1 | K2 | K3 | K4 | K5 |
|-----------------------------|-----|-------|-------|-----|-----|
| Secured Full Mark | NIL | 0 | 0 | NIL | NIL |
| Secured Above Average Mark | NIL | 31 | 33 | NIL | NIL |
| Secured Below Average Mark | NIL | 7 | 3 | NIL | NIL |
| Secured Zero | NIL | 0 | 2 | NIL | NIL |
| Knowledge Level Alloted | 0 | 864 | 0 | 0 | 0 |
| Knowledge Level Attained | 0 | 433 | 0 | 0 | 0 |
| Attainment (In Percentage) | NA | 50.12 | NA | NA | NA |
| Maximum per Knowledge Level | 0 | 17 | 30 | 0 | 0 |
| 60 % Max of K Level | 0 | 10.2 | 18 | 0 | 0 |
| No of students attained | NA | 24 | 31 | NA | NA |
| Attainment Percentage | NA | 63.16 | 81.58 | NA | NA |
| Attainment Level | NA | 1 | 3 | NA | NA |





| CO -PO - Attainment - Cycle Test 3 | | | | | | | | | | | | | | |
|------------------------------------|------|------|------|------|------|------|------|------|------|-------|-------|-------|-------|-------|
| CO | PO 1 | PO 2 | PO 3 | PO 4 | PO 5 | PO 6 | PO 7 | PO 8 | PO 9 | PO 10 | PO 11 | PO 12 | PSO 1 | PSO 2 |
| 20C435.1 | - | - | - | - | - | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 20C435.2 | - | - | - | - | - | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 20C435.3 | - | - | - | - | - | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 20C435.4 | - | - | - | - | - | 1.00 | 1.00 | 1.00 | 1.50 | 1.50 | 1.00 | 1.00 | 0.50 | 1.00 |
| 20C435.5 | - | - | - | - | - | 1.33 | 1.33 | 1.33 | 2.00 | 2.00 | 1.33 | 1.33 | 0.67 | 1.33 |

Note
 NA - Not Applicable
Attainment Level 1
 60 % Students secured more than Target Value
Attainment Level 2
 70 % Students secured more than Target Value
Attainment Level 3
 80 % Students secured more than Target Value

| Action Plan Report for the Attainment of CO | | | | | |
|---|----------------------|-------------------|---------------|------------------------------|-------------------------------|
| CO | Target Value | Actual Attainment | CO Attained ? | Attainment GAP in Percentage | Action Plan to Bridge the Gap |
| 20C435.1 | 60 % of Maximum Mark | NA | NA | NA | |
| 20C435.2 | 60 % of Maximum Mark | NA | NA | NA | |
| 20C435.3 | 60 % of Maximum Mark | NA | NA | NA | |
| 20C435.4 | 60 % of Maximum Mark | 86.84 % | Attained | 26.84 % | |
| 20C435.5 | 60 % of Maximum Mark | 71.05 % | Attained | 11.05 % | |

HoD Remarks

B. Parthasarathy
 Staff Incharge

R. Raju
 Chairperson

S. Thyagarajan
 HoD
 24/11/23

KAMARAJ

COLLEGE OF ENGINEERING & TECHNOLOGY



(An Autonomous Institution - AFFILIATED TO ANNA UNIVERSITY, CHENNAI)

S.P.G.Chidambara Nadar - C.Nagammal Campus

S.P.G.C. Nagar, K.Vellakulam – 625 701 (Near VIRUDHUNAGAR).

Academic Year : 2023-2024

Department : MECHANICAL ENGINEERING

Year : 4

Subject code:GE1671

Subject Name:Total Quality Management

| S.No | Rollno | Student Name | CT1 (100) | CT2 (100) | CT3 (100) | AS1 (100) | AS2 (100) | AS3 (100) | Best of 2 CT (30) | Best of 2 ASN (10) | Total (40) | Total (100) |
|------|--------------|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------|----------------------|-----------------------|---------------|----------------|
| 1) | 920420UME001 | SAKTHIVEL.K | 76 | 94 | 90 | 99 | 99 | | 27.6 | 9.9 | 38 | 95 |
| 2) | 920420UME002 | RAHUL.K | 64 | 82 | 0 | 95 | 95 | | 21.9 | 9.5 | 32 | 80 |
| 3) | 920420UME003 | LOGESH.A | 68 | 20 | 58 | 95 | 95 | | 18.9 | 9.5 | 29 | 73 |
| 4) | 920420UME004 | RAJA SRINIVAS.M | 64 | 58 | 0 | 95 | 95 | | 18.3 | 9.5 | 28 | 70 |
| 5) | 920420UME005 | SANTHOSH.V | 68 | 82 | 76 | 95 | 95 | | 23.7 | 9.5 | 34 | 85 |
| 6) | 920420UME006 | VIJAY.D | 70 | 74 | 0 | 95 | 95 | | 21.6 | 9.5 | 32 | 80 |
| 7) | 920420UME007 | HARISH.S | 52 | 90 | 86 | 0 | 0 | | 26.4 | 0 | 27 | 68 |
| 8) | 920420UME008 | DHANUSH KUMAR.M | 0 | 58 | 82 | 89 | 89 | | 21 | 8.9 | 30 | 75 |
| 9) | 920420UME009 | ALPHONSE SAM ANTO.G | 66 | 50 | 78 | 99 | 99 | | 21.6 | 9.9 | 32 | 80 |
| 10) | 920420UME010 | SHANMUGASUNDARAM.M | 62 | 16 | 12 | 85 | 85 | | 11.7 | 8.5 | 21 | 53 |
| 11) | 920420UME011 | VIGNESH.L | 62 | 78 | 74 | 95 | 95 | | 22.8 | 9.5 | 33 | 83 |
| 12) | 920420UME012 | MANOJ KUMAR.M | 62 | 50 | 62 | 95 | 95 | | 18.6 | 9.5 | 29 | 73 |
| 13) | 920420UME013 | ARULMURUGAN.K | 40 | 34 | 56 | 89 | 89 | | 14.4 | 8.9 | 24 | 60 |
| 14) | 920420UME014 | NAVANEETHA KRISHNAN.P | 64 | 90 | 50 | 89 | 89 | | 23.1 | 8.9 | 32 | 80 |
| 15) | 920420UME015 | ANANTHA KANNAN.K | 62 | 24 | 50 | 89 | 89 | | 16.8 | 8.9 | 26 | 65 |
| 16) | 920420UME016 | JAIDEEP KUMAR.K | 68 | 86 | 88 | 99 | 99 | | 26.1 | 9.9 | 36 | 90 |
| 17) | 920420UME017 | SHYAM.M.DA | 76 | 94 | 90 | 95 | 95 | | 27.6 | 9.5 | 38 | 95 |

| S.No | Rollno | Student Name | CT1 (100) | CT2 (100) | CT3 (100) | AS1 (100) | AS2 (100) | AS3 (100) | Best of 2 CT (30) | Best of 2 ASN (10) | Total (40) | Total (100) |
|------|--------------|--------------------|--------------|--------------|--------------|--------------|--------------|--------------|----------------------|-----------------------|---------------|----------------|
| 18) | 920420UME018 | MAREESWARAN.R | 64 | 74 | 86 | 95 | 95 | | 24 | 9.5 | 34 | 85 |
| 19) | 920420UME019 | JEEVA.K | 72 | 68 | 72 | 95 | 95 | | 21.6 | 9.5 | 32 | 80 |
| 20) | 920420UME020 | BALAMANIKANDAN.V | 76 | 70 | 38 | 95 | 95 | | 21.9 | 9.5 | 32 | 80 |
| 21) | 920420UME021 | BHARATH.M | 86 | 60 | 78 | 95 | 95 | | 24.6 | 9.5 | 35 | 88 |
| 22) | 920420UME022 | SAIKISHORE.K | 68 | 72 | 80 | 80 | 80 | | 22.8 | 8 | 31 | 78 |
| 23) | 920420UME023 | SIVAGURU.U | 72 | 50 | 12 | 95 | 95 | | 18.3 | 9.5 | 28 | 70 |
| 24) | 920420UME024 | SIVARAJ.K | 62 | 50 | 0 | 95 | 95 | | 16.8 | 9.5 | 27 | 68 |
| 25) | 920420UME025 | SHYAM GANESH.V | 70 | 70 | 70 | 95 | 95 | | 21 | 9.5 | 31 | 78 |
| 26) | 920420UME026 | SHANMUGAPRIYAN.A.G | 64 | 50 | 0 | 95 | 95 | | 17.1 | 9.5 | 27 | 68 |
| 27) | 920420UME027 | KALAI SELVAN.R | 80 | 16 | 0 | 95 | 95 | | 14.4 | 9.5 | 24 | 60 |
| 28) | 920420UME028 | HARIHARAN.N | 50 | 52 | 0 | 89 | 89 | | 15.3 | 8.9 | 25 | 63 |
| 29) | 920420UME029 | THANGARAJ.T | 54 | 38 | 66 | 95 | 95 | | 18 | 9.5 | 28 | 70 |
| 30) | 920420UME030 | HARISURIYA.M | 66 | 52 | 78 | 80 | 80 | | 21.6 | 8 | 30 | 75 |
| 31) | 920420UME031 | PREM KUMAR.V.V | 54 | 50 | 84 | 95 | 95 | | 20.7 | 9.5 | 31 | 78 |
| 32) | 920420UME032 | PRAVEEN.C | 40 | 6 | 82 | 99 | 99 | | 18.3 | 9.9 | 29 | 73 |
| 33) | 920420UME033 | SILAMPARASAN.P | 76 | 64 | 52 | 99 | 99 | | 21 | 9.9 | 31 | 78 |
| 34) | 920420UME034 | SATHISHKUMAR.D | 50 | 12 | 52 | 89 | 89 | | 15.3 | 8.9 | 25 | 63 |
| 35) | 920420UME036 | KARTHIGAI SELVAN.R | 86 | 72 | 0 | 95 | 95 | | 23.7 | 9.5 | 34 | 85 |
| 36) | 920420UME037 | THIRUMALAI RAJ.K | 60 | 52 | 70 | 95 | 95 | | 19.5 | 9.5 | 29 | 73 |
| 37) | 920420UME038 | NAGENDRAN.J | 70 | 50 | -2 | 80 | 80 | | 18 | 8 | 26 | 65 |
| 38) | 920420UME039 | GOKULAKRISHNAN.E | 50 | 56 | 0 | 89 | 89 | | 15.9 | 8.9 | 25 | 63 |
| 39) | 920420UME040 | SREE PRABHU.A | 74 | 60 | 88 | 95 | 95 | | 24.3 | 9.5 | 34 | 85 |
| 40) | 920420UME041 | SARAVANA KUMAR.C | 50 | 30 | 70 | 79 | 79 | | 18 | 7.9 | 26 | 65 |
| 41) | 920420UME043 | SABARIS.H.G | 64 | 68 | 84 | 89 | 89 | | 22.8 | 8.9 | 32 | 80 |
| 42) | 920420UME044 | KESAVAN.J | 56 | 6 | 56 | 95 | 95 | | 16.8 | 9.5 | 27 | 68 |
| 43) | 920420UME045 | RAJAGURU.C | 74 | 50 | 88 | 95 | 95 | | 24.3 | 9.5 | 34 | 85 |
| 44) | 920420UME046 | CHANDRA KUMAR.G | 64 | 50 | 60 | 95 | 95 | | 18.6 | 9.5 | 29 | 73 |
| 45) | 920420UME047 | AKASH.A | 82 | 92 | 84 | 95 | 95 | | 26.4 | 9.5 | 36 | 90 |
| 46) | 920420UME048 | SUBRAMANIAN.P | 50 | 50 | 50 | 70 | 70 | | 15 | 7 | 22 | 55 |
| 47) | 920420UME049 | ROHIT VISHNU.K | 44 | 38 | 52 | 80 | 80 | | 14.4 | 8 | 23 | 58 |

| | | | | | | | | | | |
|-----|----------------------------------|----------|----------|----------|----------|----------|------------|-----------|----------|----------|
| 48) | 920420UME050 AKILAN KARUPPAIAH.P | (100) 90 | (100) 88 | (100) 66 | (100) 99 | (100) 99 | (100) 26.7 | (100) 9.9 | (100) 37 | (100) 93 |
|-----|----------------------------------|----------|----------|----------|----------|----------|------------|-----------|----------|----------|

B. Parthasarathy

Staff Incharge
2023-11-23 09:29:51am

R. Chandrasekhar

Chair Person

S. Thyagarajan
24/11/23

HOD

Report Downloaded Date and Time:

KAMARAJ

COLLEGE OF ENGINEERING & TECHNOLOGY



S.P.G.Chidambara Nadar - C. Nagammal Campus,
S.P.G.C. Nagar, K. Vellakulam - 625 701, Near Virudhunagar, Madurai District.
Accredited by NAAC with "A" Grade

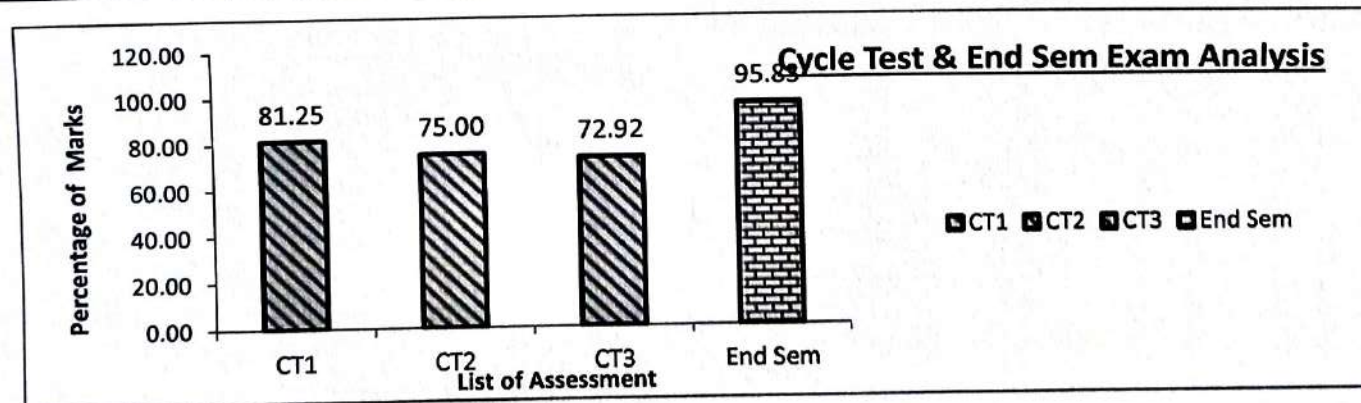
| | |
|--------------------|-----------------------------|
| Subject Name | Total Quality Management |
| Subject Code | GE1671 |
| Year and Branch | IV & Mechanical Engineering |
| Subject Handled by | B.K.Parrthipan |

| | | | |
|---------------|----------|----------|----------|
| Cycle Test No | 1 | 2 | 3 |
| Date of Exam | 02.09.23 | 17.10.23 | 16.11.23 |

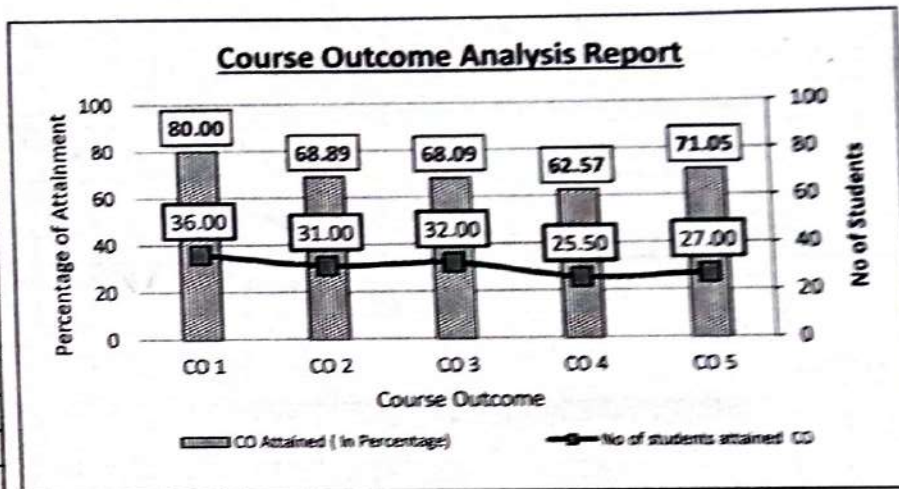
| Exam Analysis | CT1 | CT2 | CT3 | End Sem |
|-----------------------|-------|-------|-------|---------|
| Total No of Students | 48 | 48 | 48 | 48 |
| No of Students Pass | 39 | 36 | 35 | 46 |
| No of Students Fail | 6 | 11 | 3 | 2 |
| No of Students Absent | 3 | 1 | 10 | 0 |
| Total Attended | 45 | 47 | 38 | 48 |
| Maximum Mark/ Grade | 90 | 94 | 90 | 0 |
| Average Mark/ GPA | 61.16 | 56.30 | 68.11 | 7.54 |

| | | | | |
|-------------------------------------|-------|-------|-------|-------|
| Pass Percentage (Based on Strength) | 81.25 | 75.00 | 72.92 | 95.83 |
| Pass Percentage (Students Attended) | 86.67 | 76.60 | 92.11 | 95.83 |

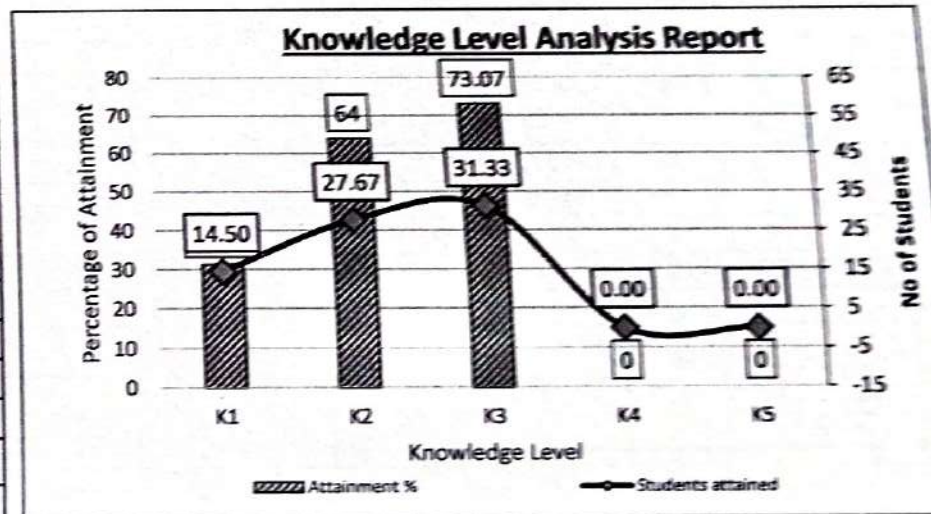
| Assessment Analysis | CT1 | CT2 | CT3 | End Sem Result | |
|--------------------------|-----|-----|-----|----------------|----|
| No. of students above 90 | 0 | 3 | 0 | O --> | 1 |
| No. of students 80-89 | 4 | 6 | 13 | A+ --> | 12 |
| No. of students 70-79 | 10 | 7 | 9 | A --> | 21 |
| No. of students 60-69 | 17 | 5 | 4 | B+ --> | 4 |
| No. of students 50-59 | 8 | 15 | 9 | B --> | 8 |
| No. of students 40-49 | 3 | 0 | 0 | U --> | 2 |
| No. of students 30-39 | 1 | 4 | 2 | --> | 0 |
| No. of students 20-29 | 0 | 2 | 0 | --> | - |
| No. of students 10-19 | 0 | 3 | 1 | --> | - |
| No. of students 0-9 | 2 | 2 | 0 | --> | - |

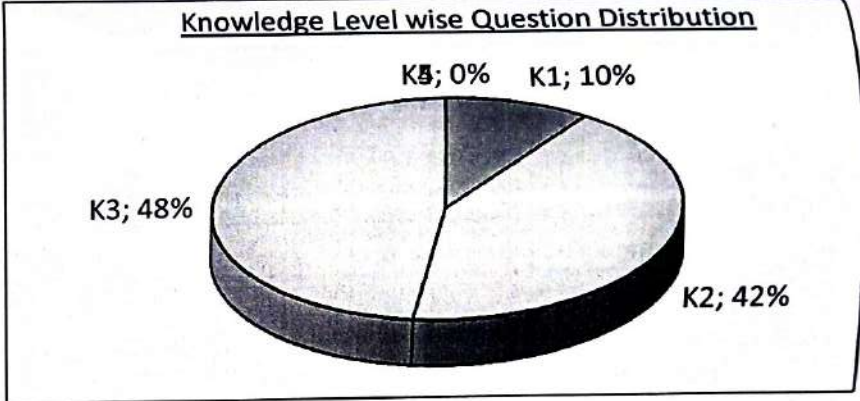
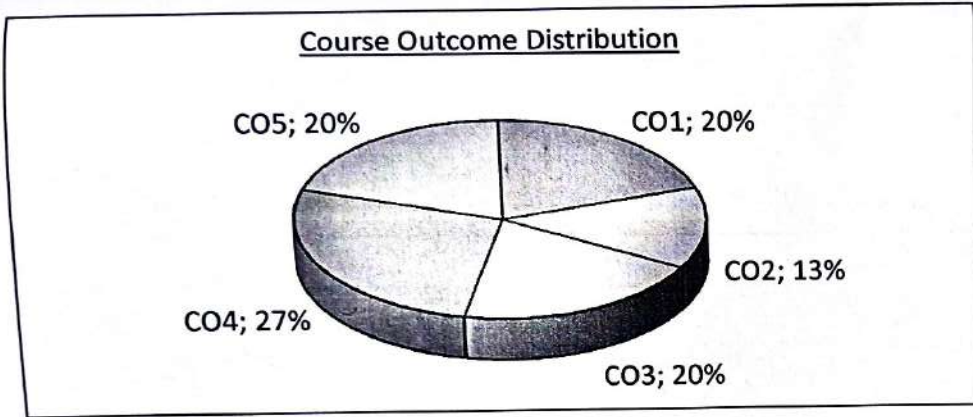


| Overall Course Outcome wise Analysis- Cycle Test | | | | | |
|--|----------|----------|----------|----------|----------|
| Particulars | CO 1 | CO 2 | CO 3 | CO 4 | CO 5 |
| Secured Full Mark | 0 | 0 | 0 | 0 | 0 |
| Secured Above Average | 39 | 40 | 38 | 56 | 31 |
| Secured Below Average | 6 | 3 | 9 | 26 | 7 |
| Secured Zero | 0 | 2 | 0 | 3 | 0 |
| CO Alloted | 1440 | 960 | 1440 | 1920 | 1440 |
| CO Alloted (By %) | 100 | 100 | 100 | 100 | 100 |
| CO Attained | 841 | 535 | 888 | 976 | 753 |
| CO Attained (In Percentage) | 58.4 | 55.73 | 61.67 | 50.83 | 52.29 |
| Maximum per CO | 27 | 19 | 28 | 37 | 27 |
| 60% Max of CO | 16.2 | 11.4 | 16.8 | 22.2 | 16.2 |
| No of students attained | 36 | 31 | 32 | 25.5 | 27 |
| CO Attainment Percentage | 80 | 68.8889 | 68.0851 | 62.57 | 71.053 |
| Attainment Level | 2 | 1 | 1 | 1 | 2 |



| Knowledge Level wise Analysis | | | | | |
|-------------------------------|----------|----------|----------|-----------|-----------|
| Particulars | K1 | K2 | K3 | K4 | K5 |
| Secured Full Mark | 11 | 1 | 0 | NIL | NIL |
| Secured Above | 40 | 104 | 101 | NIL | NIL |
| Secured Below | 33 | 23 | 21 | NIL | NIL |
| Secured Zero | 8 | 2 | 8 | NIL | NIL |
| K Level Alloted | 480 | 2880 | 768 | 0 | 0 |
| K Level Attained | 220 | 1593 | 479 | 0 | 0 |
| Attainment % | 45.83 | 55.313 | 62.37 | NA | NA |
| Maximum per KL | 10 | 56 | 75 | 0 | 0 |
| 60% Max | 6 | 33.6 | 45 | 0 | 0 |
| Students attained | 14.5 | 27.667 | 31.333 | NIL | NIL |
| Attainment % | 31.32 | 64 | 73.07 | NA | NA |
| Attainment Level | 0 | 1 | 2 | NA | NA |





CO -PO - Attainment - All Cycle Test

| CO | PO 1 | PO 2 | PO 3 | PO 4 | PO 5 | PO 6 | PO 7 | PO 8 | PO 9 | PO 10 | PO 11 | PO 12 | PSO 1 | PSO 2 |
|----------|------|------|------|------|------|------|------|------|------|-------|-------|-------|-------|-------|
| 20C435.1 | - | - | - | - | - | 1.33 | 1.33 | 1.33 | 2.00 | 2.00 | 1.33 | 1.33 | 0.67 | 1.33 |
| 20C435.2 | - | - | - | - | - | 0.67 | 0.67 | 0.67 | 1.00 | 1.00 | 0.67 | 0.67 | 0.33 | 0.67 |
| 20C435.3 | - | - | - | - | - | 0.67 | 0.67 | 0.67 | 1.00 | 1.00 | 0.67 | 0.67 | 0.33 | 0.67 |
| 20C435.4 | - | - | - | - | - | 0.67 | 0.67 | 0.67 | 1.00 | 1.00 | 0.67 | 0.67 | 0.33 | 0.67 |
| 20C435.5 | - | - | - | - | - | 1.33 | 1.33 | 1.33 | 2.00 | 2.00 | 1.33 | 1.33 | 0.67 | 1.33 |
| 20C435 | - | - | - | - | - | 0.93 | 0.93 | 0.93 | 1.40 | 1.40 | 0.93 | 0.93 | 0.47 | 0.93 |

Direct Attainment Level for the course GE1671-Total Quality Management

| CO | PO 1 | PO 2 | PO 3 | PO 4 | PO 5 | PO 6 | PO 7 | PO 8 | PO 9 | PO 10 | PO 11 | PO 12 | PSO 1 | PSO 2 |
|-------------------|------|------|------|------|------|------|------|------|------|-------|-------|-------|-------|-------|
| End Sem | - | - | - | - | - | 2.00 | 2.00 | 2.00 | 3.00 | 3.00 | 2.00 | 2.00 | 1.00 | 2.00 |
| Internal | - | - | - | - | - | 1.04 | 1.04 | 1.04 | 1.56 | 1.56 | 1.04 | 1.04 | 0.52 | 1.04 |
| Direct Attainment | - | - | - | - | - | 1.62 | 1.62 | 1.62 | 2.42 | 2.42 | 1.62 | 1.62 | 0.81 | 1.62 |

Direct Attainment
1.71

B. K. Parthasarathy
Staff Incharge

P. Debuty
Chairperson

S. S. Srinivasan
HOD

| CO No | Course Outcomes | Assessment Tools | Weightage (in %) | Course Outcome Contribution to Programme Outcomes & Program Specific Outcome | | | | | | | | | | | | | | CO Attainment Level | Attainment Level in % | Target Attained 60 |
|-------------------|---|--------------------------|---|--|-----|-----|-----|-----|------|------|------|------|------|------|------|------|-------------|---------------------|-----------------------|--------------------|
| | | | | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | PO11 | PO12 | PSO1 | PSO2 | | | |
| 20C435.1 | Ability to apply TQM concepts in a selected enterprise | Cycle Test 1 | 60 | - | - | - | - | - | 0.80 | 0.80 | 0.80 | 1.20 | 1.20 | 0.80 | 0.80 | 0.40 | 0.80 | 1.69 | 56.30 | Not Attained |
| | | Assignment 1 | 40 | - | - | - | - | - | 0.80 | 0.80 | 0.80 | 1.20 | 1.20 | 0.80 | 0.80 | 0.40 | 0.80 | | | |
| | | | 0 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | | |
| | | | 0 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | | |
| CO 1 - Attainment | | | | - | - | - | - | - | 1.60 | 1.60 | 1.60 | 2.40 | 2.40 | 1.60 | 1.60 | 0.80 | 1.60 | | | |
| 20C435.2 | Ability to apply TQM principles in a selected enterprise. | Cycle Test 1 | 100 | - | - | - | - | - | 0.40 | 0.40 | 0.40 | 0.60 | 0.60 | 0.40 | 0.40 | - | - | 0.42 | 14.07 | Not Attained |
| | | Assignment 1 | 0 | - | - | - | - | - | - | - | - | - | - | - | - | - | | | | |
| | | | 0 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | | |
| | | | 0 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | | |
| CO 2 - Attainment | | | | - | - | - | - | - | 0.40 | 0.40 | 0.40 | 0.60 | 0.60 | 0.40 | 0.40 | 0.20 | 0.40 | | | |
| 20C435.3 | Ability to understand Taguchi techniques, Performance Measures, QFD, HOQ | Cycle Test 2 | 60 | - | - | - | - | - | 0.40 | 0.40 | 0.40 | 0.60 | 0.60 | 0.40 | 0.40 | 0.20 | 0.40 | 1.27 | 42.22 | Not Attained |
| | | Assignment 2 | 40 | - | - | - | - | - | 0.80 | 0.80 | 0.80 | 1.20 | 1.20 | 0.80 | 0.80 | 0.40 | 0.80 | | | |
| | | | 0 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | | |
| | | | 0 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | | |
| CO 3 - Attainment | | | | - | - | - | - | - | 1.20 | 1.20 | 1.20 | 1.80 | 1.80 | 1.20 | 1.20 | 0.60 | 1.20 | | | |
| 20C435.4 | Ability to understand Six Sigma and apply Traditional tools, New tools, Benchmarking. | Cycle Test 2 & 3 | 100 | - | - | - | - | - | 0.40 | 0.40 | 0.40 | 0.60 | 0.60 | - | - | - | - | 0.42 | 14.07 | Not Attained |
| | | Assignment 2 | 0 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | | |
| | | | 0 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | | |
| | | | 0 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | | |
| CO 4 - Attainment | | | | - | - | - | - | - | 0.40 | 0.40 | 0.40 | 0.60 | 0.60 | 0.40 | 0.40 | 0.20 | 0.40 | | | |
| 20C435.5 | To confirm quality standards and implementing QMS in business organization | Cycle Test 3 | 60 | - | - | - | - | - | 0.80 | 0.80 | 0.80 | 1.20 | 1.20 | 0.80 | 0.80 | 0.40 | 0.80 | 1.69 | 56.30 | Not Attained |
| | | Assignment 3 | 40 | - | - | - | - | - | 0.80 | 0.80 | 0.80 | 1.20 | 1.20 | 0.80 | 0.80 | 0.40 | 0.80 | | | |
| | | | 0 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | | |
| | | | 0 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | | |
| CO 5 - Attainment | | | | - | - | - | - | - | 1.60 | 1.60 | 1.60 | 2.40 | 2.40 | 1.60 | 1.60 | 0.80 | 1.60 | | | |
| 20C435 | Total Quality Management | All CO Attainment | The Course Outcome Attainment Level for the subject GE1671-Total Quality Management for the Internal Assessments | | | | | | | | | | | | | | 1.10 | 36.59 | Not Attained | |

| CO No | Course Outcomes | Internal Assessment Attainment Contributions to Programme Outcomes & Program Specific Outcome | | | | | | | | | | | | | |
|--|---|---|-----|-----|-----|-----|------|------|------|------|------|------|------|------|------|
| | | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | PO11 | PO12 | PSO1 | PSO2 |
| 20C435.1 | Ability to apply TQM concepts in a selected enterprise | - | - | - | - | - | 1.60 | 1.60 | 1.60 | 2.40 | 2.40 | 1.60 | 1.60 | 0.80 | 1.60 |
| 20C435.2 | Ability to apply TQM principles in a selected enterprise. | - | - | - | - | - | 0.40 | 0.40 | 0.40 | 0.60 | 0.60 | 0.40 | 0.40 | 0.20 | 0.40 |
| 20C435.3 | Ability to understand Taguchi techniques, Performance Measures, QFD, HOQ | - | - | - | - | - | 0.40 | 0.40 | 0.40 | 0.60 | 0.60 | 0.40 | 0.40 | 0.20 | 0.40 |
| 20C435.4 | Ability to understand Six Sigma and apply Traditional tools, New tools, Benchmarking. | - | - | - | - | - | 1.60 | 1.60 | 1.60 | 2.40 | 2.40 | 1.60 | 1.60 | 0.80 | 1.60 |
| 20C435.5 | To confirm quality standards and implementing QMS in business organization | - | - | - | - | - | 1.04 | 1.04 | 1.04 | 1.56 | 1.56 | 1.04 | 1.04 | 0.52 | 1.04 |
| CO Attainment (Internal Assessment) | | | | | | | | | | | | | | | |

Internal Assessment Attainment Level
1.10

| CO No | Course Outcomes | End Semester Examination Attainment Contributions to Programme Outcomes & Program Specific Outcome | | | | | | | | | | | | | |
|---|---|--|-----|-----|-----|-----|------|------|------|------|------|------|------|------|------|
| | | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | PO11 | PO12 | PSO1 | PSO2 |
| 20C435.1 | Ability to apply TQM concepts in a selected enterprise | - | - | - | - | - | 2.00 | 2.00 | 2.00 | 3.00 | 3.00 | 2.00 | 2.00 | 1.00 | 2.00 |
| 20C435.2 | Ability to apply TQM principles in a selected enterprise. | - | - | - | - | - | 2.00 | 2.00 | 2.00 | 3.00 | 3.00 | 2.00 | 2.00 | 1.00 | 2.00 |
| 20C435.3 | Ability to understand Taguchi techniques, Performance Measures, QFD, HOQ | - | - | - | - | - | 2.00 | 2.00 | 2.00 | 3.00 | 3.00 | 2.00 | 2.00 | 1.00 | 2.00 |
| 20C435.4 | Ability to understand Six Sigma and apply Traditional tools, New tools, Benchmarking. | - | - | - | - | - | 2.00 | 2.00 | 2.00 | 3.00 | 3.00 | 2.00 | 2.00 | 1.00 | 2.00 |
| 20C435.5 | To confirm quality standards and implementing QMS in business organization | - | - | - | - | - | 2.00 | 2.00 | 2.00 | 3.00 | 3.00 | 2.00 | 2.00 | 1.00 | 2.00 |
| CO Attainment (End Semester Examination) | | | | | | | | | | | | | | | |

End Sem Exam Attainment Level
2.11

Over ALL
Direct Attainment Level (80% End Sem + 20% Internal)
1.91

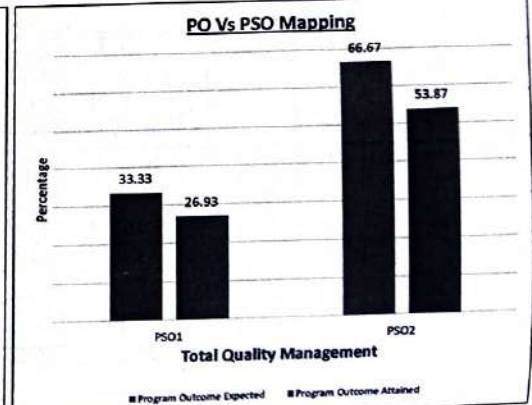
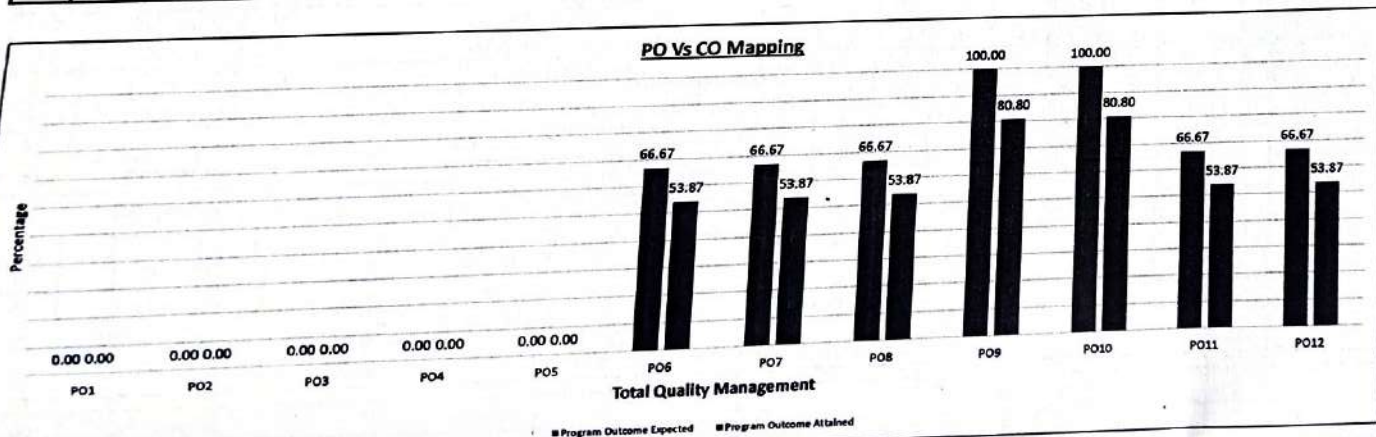
| CO No | Course Outcomes | Assessment Tools | Weightage (in %) | Contribution to Programme Outcomes & Program Specific Outcome | | | | | | | | | | | | | |
|-------|---|--------------------------|------------------|---|-----|-----|-----|-----|------|------|------|------|------|------|------|------|------|
| | | | | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | PO11 | PO12 | PSO1 | PSO2 |
| 1 | Ability to apply TQM concepts in a selected enterprise | End Semester Result | 60 | - | - | - | - | - | 1.20 | 1.20 | 1.20 | 1.80 | 1.80 | 1.20 | 1.20 | 0.60 | 1.20 |
| | | Internal Assessment | 40 | - | - | - | - | - | 0.64 | 0.64 | 0.64 | 0.96 | 0.96 | 0.64 | 0.64 | 0.32 | 0.64 |
| | | CO 1 - Direct Attainment | | - | - | - | - | - | 1.84 | 1.84 | 1.84 | 2.76 | 2.76 | 1.84 | 1.84 | 0.92 | 1.84 |
| 2 | Ability to apply TQM principles in a selected enterprise. | End Semester Result | 60 | - | - | - | - | - | 1.20 | 1.20 | 1.20 | 1.80 | 1.80 | 1.20 | 1.20 | 0.60 | 1.20 |
| | | Internal Assessment | 40 | - | - | - | - | - | 0.16 | 0.16 | 0.16 | 0.24 | 0.24 | 0.16 | 0.16 | 0.08 | 0.16 |
| | | CO 2 - Direct Attainment | | - | - | - | - | - | 1.36 | 1.36 | 1.36 | 2.04 | 2.04 | 1.36 | 1.36 | 0.68 | 1.36 |
| 3 | Ability to understand Taguchi techniques, Performance Measures, QFD, HOQ | End Semester Result | 60 | - | - | - | - | - | 1.20 | 1.20 | 1.20 | 1.80 | 1.80 | 1.20 | 1.20 | 0.60 | 1.20 |
| | | Internal Assessment | 40 | - | - | - | - | - | 0.48 | 0.48 | 0.48 | 0.72 | 0.72 | 0.48 | 0.48 | 0.24 | 0.48 |
| | | CO 3 - Direct Attainment | | - | - | - | - | - | 1.68 | 1.68 | 1.68 | 2.52 | 2.52 | 1.68 | 1.68 | 0.84 | 1.68 |
| 4 | Ability to understand Six Sigma and apply Traditional tools, New tools, Benchmarking. | End Semester Result | 60 | - | - | - | - | - | 1.20 | 1.20 | 1.20 | 1.80 | 1.80 | 1.20 | 1.20 | 0.60 | 1.20 |
| | | Internal Assessment | 40 | - | - | - | - | - | 0.16 | 0.16 | 0.16 | 0.24 | 0.24 | 0.16 | 0.16 | 0.08 | 0.16 |
| | | CO 4 - Direct Attainment | | - | - | - | - | - | 1.36 | 1.36 | 1.36 | 2.04 | 2.04 | 1.36 | 1.36 | 0.68 | 1.36 |
| 5 | To confirm quality standards and Implementing QMS in business organization | End Semester Result | 60 | - | - | - | - | - | 1.20 | 1.20 | 1.20 | 1.80 | 1.80 | 1.20 | 1.20 | 0.60 | 1.20 |
| | | Internal Assessment | 40 | - | - | - | - | - | 0.64 | 0.64 | 0.64 | 0.96 | 0.96 | 0.64 | 0.64 | 0.32 | 0.64 |
| | | CO 5 - Direct Attainment | | - | - | - | - | - | 1.84 | 1.84 | 1.84 | 2.76 | 2.76 | 1.84 | 1.84 | 0.92 | 1.84 |

| CO No | Course Outcomes | Direct Attainment of PO vs CO | | | | | | | | | | | | | |
|--------|---|-------------------------------|-----|-----|-----|-----|------|------|------|------|------|------|------|------|------|
| | | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | PO11 | PO12 | PSO1 | PSO2 |
| 1 | Ability to apply TQM concepts in a selected enterprise | - | - | - | - | - | 1.84 | 1.84 | 1.84 | 2.76 | 2.76 | 1.84 | 1.84 | 0.92 | 1.84 |
| 2 | Ability to apply TQM principles in a selected enterprise. | - | - | - | - | - | 1.36 | 1.36 | 1.36 | 2.04 | 2.04 | 1.36 | 1.36 | 0.68 | 1.36 |
| 3 | Ability to understand Taguchi techniques, Performance Measures, QFD, HOQ | - | - | - | - | - | 1.68 | 1.68 | 1.68 | 2.52 | 2.52 | 1.68 | 1.68 | 0.84 | 1.68 |
| 4 | Ability to understand Six Sigma and apply Traditional tools, New tools, Benchmarking. | - | - | - | - | - | 1.36 | 1.36 | 1.36 | 2.04 | 2.04 | 1.36 | 1.36 | 0.68 | 1.36 |
| 5 | To confirm quality standards and Implementing QMS in business organization | - | - | - | - | - | 1.84 | 1.84 | 1.84 | 2.76 | 2.76 | 1.84 | 1.84 | 0.92 | 1.84 |
| ZOC435 | Total Quality Management | - | - | - | - | - | 1.62 | 1.62 | 1.62 | 2.42 | 2.42 | 1.62 | 1.62 | 0.81 | 1.62 |

DIRECT ATTAINMENT OF CO

| CO NO | For the Particular Course | For All Pos | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | PO11 | PO12 | PSO1 | PSO2 | |
|-------|---------------------------|-------------|----------|------|-----|-----|-----|-----|------|------|------|------|------|------|------|------|------|
| | | | Expected | 2.11 | - | - | - | - | 2 | 2 | 2 | 3 | 3 | 2 | 2 | 1 | 2 |
| | | | Attained | 1.71 | - | - | - | - | 1.62 | 1.62 | 1.62 | 2.42 | 2.42 | 1.62 | 1.62 | 0.81 | 1.62 |

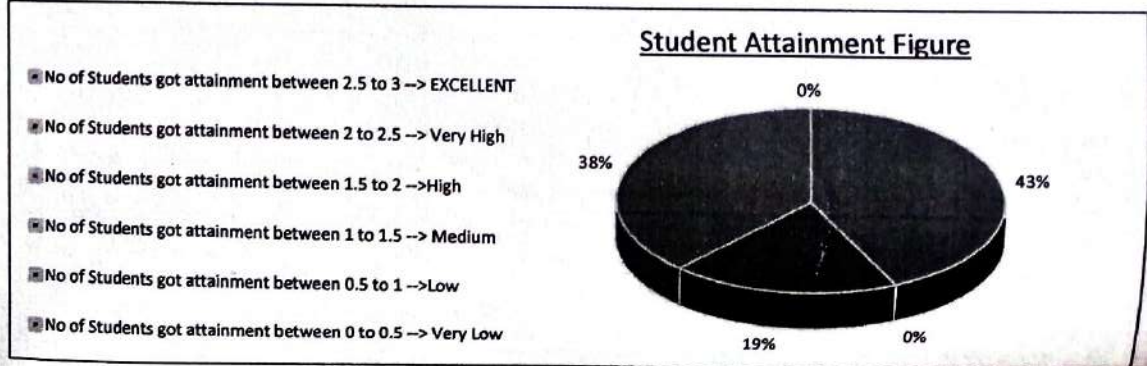
| CO NO | For the Particular Course (In terms of percentage) | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | PO11 | PO12 | PSO1 | PSO2 | |
|-------|--|--------------------------|-----|-----|-----|-----|-----|-------|-------|-------|--------|--------|-------|-------|-------|-------|
| | | Program Outcome Expected | - | - | - | - | - | 66.67 | 66.67 | 66.67 | 100.00 | 100.00 | 66.67 | 66.67 | 33.33 | 66.67 |
| | | Program Outcome Attained | - | - | - | - | - | 53.87 | 53.87 | 53.87 | 80.80 | 80.80 | 53.87 | 53.87 | 26.93 | 53.87 |



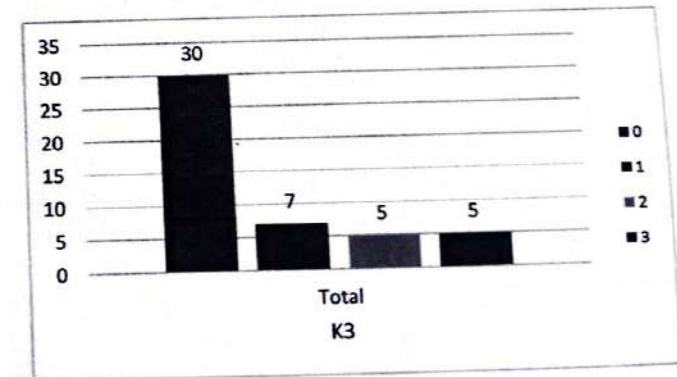
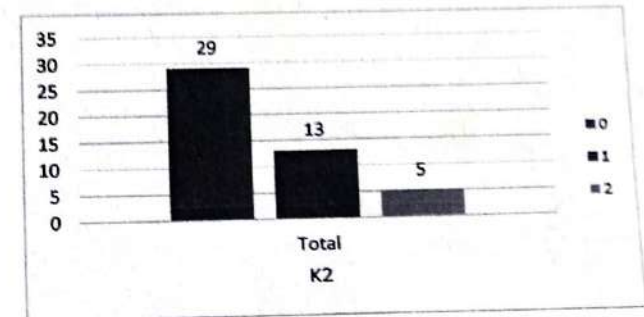
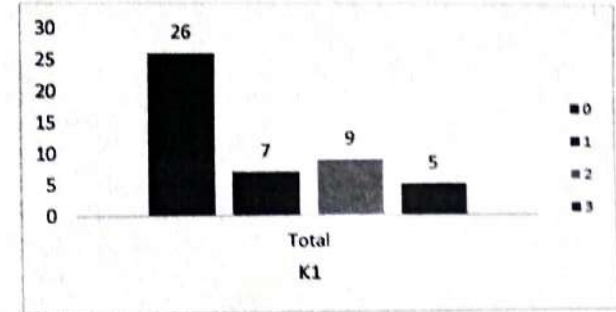
| S.No | Registration No | Roll No | Name | Cycle Test | | | | | Assessment Tool 2 | | | | | Assessment Tool 3 | | | | | Internal Attainment | AUEXAM | Overall Attainment | | | |
|------|-----------------|---------|-----------------------|------------|-----|-----|-----|-----|-------------------|-----|-----|-----|-----|-------------------|-----|-----|-----|-----|---------------------|--------|--------------------|-------|-----|-------|
| | | | | 60 | 100 | 60 | 100 | 60 | 76 | 40 | 0 | 40 | 0 | 40 | 24 | 0 | 0 | 0 | | | | 0 | 0 | 0 |
| | | | | CO1 | CO2 | CO3 | CO4 | CO5 | Avg | CO1 | CO2 | CO3 | CO4 | CO5 | Avg | CO1 | CO2 | CO3 | | | | CO4 | CO5 | Avg |
| 1 | 20UME001 | | SAKTHIVEL.K | 2 | 1 | 3 | 3 | 3 | 2 | 3 | 0 | 3 | 0 | 3 | 1.8 | 0 | 0 | 0 | 0 | 0 | 0 | 2.256 | 0 | 0.45 |
| 2 | 20UME002 | | RAHUL.K | 1 | 1 | 2 | 0 | 0 | 1 | 3 | 0 | 3 | 0 | 3 | 1.8 | 0 | 0 | 0 | 0 | 0 | 0 | 1.04 | 0 | 0.21 |
| 3 | 20UME003 | | LOGESH.A | 1 | 1 | 0 | 0 | 0 | 0 | 3 | 0 | 3 | 0 | 3 | 1.8 | 0 | 0 | 0 | 0 | 0 | 0 | 0.736 | 0 | 0.15 |
| 4 | 20UME004 | | RAJA SRINIVAS.M | 1 | 1 | 2 | 0 | 0 | 1 | 3 | 0 | 3 | 0 | 3 | 1.8 | 0 | 0 | 0 | 0 | 0 | 0 | 1.04 | 2 | 1.81 |
| 5 | 20UME005 | | SANTHOSH.V | 1 | 1 | 3 | 2 | 2 | 2 | 3 | 0 | 3 | 0 | 3 | 1.8 | 0 | 0 | 0 | 0 | 0 | 0 | 1.8 | 2 | 1.96 |
| 6 | 20UME006 | | VIJAY.D | 2 | 0 | 3 | 0 | 0 | 1 | 3 | 0 | 3 | 0 | 3 | 1.8 | 0 | 0 | 0 | 0 | 0 | 0 | 1.192 | 0 | 0.24 |
| 7 | 20UME007 | | HARISH.S | 0 | 0 | 3 | 3 | 3 | 2 | | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | ##### | 2 | ##### |
| 8 | 20UME008 | | DHANUSH KUMAR.M | 0 | 0 | 2 | 0 | 2 | 1 | 3 | 0 | 3 | 0 | 3 | 1.8 | 0 | 0 | 0 | 0 | 0 | 0 | 1.04 | 2 | 1.81 |
| 9 | 20UME009 | | ALPHONSE SAM ANTO.G | 2 | 0 | 1 | 0 | 2 | 1 | 3 | 0 | 3 | 0 | 3 | 1.8 | 0 | 0 | 0 | 0 | 0 | 0 | 1.192 | 2 | 1.84 |
| 10 | 20UME010 | | SHANMUGASUNDARAM.M | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 3 | 0 | 3 | 1.8 | 0 | 0 | 0 | 0 | 0 | 0 | 0.432 | 0 | 0.09 |
| 11 | 20UME011 | | VIGNESH.L | 1 | 0 | 1 | 3 | 1 | 1 | 3 | 0 | 3 | 0 | 3 | 1.8 | 0 | 0 | 0 | 0 | 0 | 0 | 1.344 | 0 | 0.27 |
| 12 | 20UME012 | | MANOJ KUMAR.M | 1 | 0 | 0 | 0 | 1 | 0 | 3 | 0 | 3 | 0 | 3 | 1.8 | 0 | 0 | 0 | 0 | 0 | 0 | 0.736 | 2 | 1.75 |
| 13 | 20UME013 | | ARULMURUGAN.K | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 3 | 0 | 3 | 1.8 | 0 | 0 | 0 | 0 | 0 | 0 | 0.432 | 0 | 0.09 |
| 14 | 20UME014 | | NAVANEETHA KRISHNAN.P | 1 | 1 | 3 | 1 | 0 | 1 | 3 | 0 | 3 | 0 | 3 | 1.8 | 0 | 0 | 0 | 0 | 0 | 0 | 1.344 | 2 | 1.87 |
| 15 | 20UME015 | | ANANTHA KANNAN.K | 0 | 1 | 0 | 0 | 1 | 0 | 3 | 0 | 3 | 0 | 3 | 1.8 | 0 | 0 | 0 | 0 | 0 | 0 | 0.736 | 2 | 1.75 |
| 16 | 20UME016 | | JAIDEEP KUMAR.K | 1 | 1 | 3 | 3 | 3 | 2 | 3 | 0 | 3 | 0 | 3 | 1.8 | 0 | 0 | 0 | 0 | 0 | 0 | 2.104 | 0 | 0.42 |
| 17 | 20UME017 | | SHYAM.M.DA | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 0 | 3 | 0 | 3 | 1.8 | 0 | 0 | 0 | 0 | 0 | 0 | 2.408 | 0 | 0.48 |
| 18 | 20UME018 | | MAREESWARAN.R | 1 | 1 | 2 | 2 | 3 | 2 | 3 | 0 | 3 | 0 | 3 | 1.8 | 0 | 0 | 0 | 0 | 0 | 0 | 1.8 | 2 | 1.96 |
| 19 | 20UME019 | | JEEVA.K | 2 | 1 | 2 | 1 | 2 | 2 | 3 | 0 | 3 | 0 | 3 | 1.8 | 0 | 0 | 0 | 0 | 0 | 0 | 1.648 | 2 | 1.93 |
| 20 | 20UME020 | | BALAMANIKANDAN.V | 2 | 2 | 0 | 1 | 0 | 1 | 3 | 0 | 3 | 0 | 3 | 1.8 | 0 | 0 | 0 | 0 | 0 | 0 | 1.192 | 2 | 1.84 |
| 21 | 20UME021 | | BHARATH.M | 3 | 2 | 3 | 0 | 2 | 2 | 3 | 0 | 3 | 0 | 3 | 1.8 | 0 | 0 | 0 | 0 | 0 | 0 | 1.952 | 0 | 0.39 |
| 22 | 20UME022 | | SAIKISHORE.K | 1 | 1 | 1 | 2 | 2 | 1 | 3 | 0 | 3 | 0 | 3 | 1.8 | 0 | 0 | 0 | 0 | 0 | 0 | 1.496 | 0 | 0.30 |
| 23 | 20UME023 | | SIVAGURU.U | 2 | 1 | 1 | 0 | 0 | 1 | 3 | 0 | 3 | 0 | 3 | 1.8 | 0 | 0 | 0 | 0 | 0 | 0 | 1.04 | 2 | 1.81 |
| 24 | 20UME024 | | SIVARAJ.K | 1 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 3 | 0 | 3 | 1.8 | 0 | 0 | 0 | 0 | 0 | 0 | 0.584 | 1 | 0.92 |
| 25 | 20UME025 | | SHYAM GANESH.V | 1 | 1 | 3 | 0 | 1 | 1 | 3 | 0 | 3 | 0 | 3 | 1.8 | 0 | 0 | 0 | 0 | 0 | 0 | 1.344 | 0 | 0.27 |
| 26 | 20UME026 | | SHANMUGAPRIYAN.A.G | 1 | 0 | 2 | 0 | 0 | 1 | 3 | 0 | 3 | 0 | 3 | 1.8 | 0 | 0 | 0 | 0 | 0 | 0 | 0.888 | 0 | 0.18 |
| 27 | 20UME027 | | KALAI SELVAN.R | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 3 | 0 | 3 | 1.8 | 0 | 0 | 0 | 0 | 0 | 0 | 0.432 | 2 | 1.69 |
| 28 | 20UME028 | | HARIHARAN.N | 0 | 0 | 1 | 0 | 0 | 0 | 3 | 0 | 3 | 0 | 3 | 1.8 | 0 | 0 | 0 | 0 | 0 | 0 | 0.584 | 1 | 0.92 |
| 29 | 20UME029 | | THANGARAJ.T | 0 | 0 | 0 | 0 | 1 | 0 | 3 | 0 | 3 | 0 | 3 | 1.8 | 0 | 0 | 0 | 0 | 0 | 0 | 0.584 | 1 | 0.92 |
| 30 | 20UME030 | | HARISURIYA.M | 1 | 0 | 1 | 0 | 2 | 1 | 3 | 0 | 3 | 0 | 3 | 1.8 | 0 | 0 | 0 | 0 | 0 | 0 | 1.04 | 2 | 1.81 |
| 31 | 20UME031 | | PREM KUMAR.V.V | 0 | 0 | 0 | 1 | 3 | 1 | 3 | 0 | 3 | 0 | 3 | 1.8 | 0 | 0 | 0 | 0 | 0 | 0 | 1.04 | 2 | 1.81 |
| 32 | 20UME032 | | PRAVEEN.C | 0 | 0 | 0 | 0 | 2 | 0 | 3 | 0 | 3 | 0 | 3 | 1.8 | 0 | 0 | 0 | 0 | 0 | 0 | 0.736 | 1 | 0.95 |
| 33 | 20UME033 | | SILAMPARASAN.P | 2 | 2 | 0 | 2 | 0 | 1 | 3 | 0 | 3 | 0 | 3 | 1.8 | 0 | 0 | 0 | 0 | 0 | 0 | 1.344 | 2 | 1.87 |
| 34 | 20UME034 | | SATHISHKUMAR.D | 1 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 3 | 0 | 3 | 1.8 | 0 | 0 | 0 | 0 | 0 | 0 | 0.584 | 1 | 0.92 |
| 35 | 20UME036 | | KARTHIGAI SELVAN.R | 2 | 3 | 2 | 0 | 0 | 1 | 3 | 0 | 3 | 0 | 3 | 1.8 | 0 | 0 | 0 | 0 | 0 | 0 | 1.496 | 0 | 0.30 |
| 36 | 20UME037 | | THIRUMALAI RAJ.K | 0 | 0 | 0 | 2 | 1 | 1 | 3 | 0 | 3 | 0 | 3 | 1.8 | 0 | 0 | 0 | 0 | 0 | 0 | 0.888 | 2 | 1.78 |
| 37 | 20UME038 | | NAGENDRAN.J | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 3 | 0 | 3 | 1.8 | 0 | 0 | 0 | 0 | 0 | 0 | 0.432 | 0 | 0.09 |
| 38 | 20UME039 | | GOKULAKRISHNAN.E | 2 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 3 | 0 | 3 | 1.8 | 0 | 0 | 0 | 0 | 0 | 0 | 0.736 | 1 | 0.95 |
| 39 | 20UME040 | | SREE PRABHU.A | 2 | 2 | 1 | 1 | 3 | 2 | 3 | 0 | 3 | 0 | 3 | 1.8 | 0 | 0 | 0 | 0 | 0 | 0 | 1.8 | 2 | 1.96 |
| 40 | 20UME041 | | SARAVANA KUMAR.C | 0 | 0 | 0 | 0 | 1 | 0 | 2 | 0 | 2 | 0 | 2 | 1.2 | 0 | 0 | 0 | 0 | 0 | 0 | 0.44 | 0 | 0.09 |
| 41 | 20UME043 | | SABARIS.H.G | 1 | 1 | 0 | 3 | 3 | 2 | 3 | 0 | 3 | 0 | 3 | 1.8 | 0 | 0 | 0 | 0 | 0 | 0 | 1.648 | 0 | 0.33 |
| 42 | 20UME044 | | KESAVAN.J | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 3 | 0 | 3 | 1.8 | 0 | 0 | 0 | 0 | 0 | 0 | 0.432 | 2 | 1.69 |
| 43 | 20UME045 | | RAJAGURU.C | 1 | 2 | 0 | 1 | 3 | 1 | 3 | 0 | 3 | 0 | 3 | 1.8 | 0 | 0 | 0 | 0 | 0 | 0 | 1.496 | 2 | 1.90 |

| | | | | | | | | | | | | | | | | | | | | | | | |
|----|----------|---------------------|---|---|---|---|---|---|---|---|---|---|---|-----|---|---|---|---|---|---|-------|---|-------|
| 44 | 20UME046 | CHANDRA KUMAR.G | 1 | 1 | 2 | 0 | 0 | 1 | 3 | 0 | 3 | 0 | 3 | 1.8 | 0 | 0 | 0 | 0 | 0 | 0 | 1.04 | 2 | 1.81 |
| 45 | 20UME047 | AKASH.A | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 0 | 3 | 0 | 3 | 1.8 | 0 | 0 | 0 | 0 | 0 | 0 | 2.56 | 0 | 0.51 |
| 46 | 20UME048 | SUBRAMANIAN.P | 0 | 0 | 2 | 0 | 0 | 0 | 2 | 0 | 2 | 0 | 2 | 1.2 | 0 | 0 | 0 | 0 | 0 | 0 | 0.592 | 1 | 0.92 |
| 47 | 20UME049 | ROHIT VISHNU.K | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 3 | 0 | 3 | 1.8 | 0 | 0 | 0 | 0 | 0 | 0 | 0.432 | 1 | 0.89 |
| 48 | 20UME050 | AKILAN KARUPPAIAH.P | 3 | 3 | 3 | 3 | 0 | 2 | 3 | 0 | 3 | 0 | 3 | 1.8 | 0 | 0 | 0 | 0 | 0 | 0 | 2.256 | 0 | 0.45 |
| 49 | | | | | | | | | | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | ##### | | ##### |
| 50 | | | | | | | | | | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | ##### | | ##### |
| 51 | | | | | | | | | | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | ##### | | ##### |
| 52 | | | | | | | | | | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | ##### | | ##### |
| 53 | | | | | | | | | | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | ##### | | ##### |
| 54 | | | | | | | | | | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | ##### | | ##### |
| 55 | | | | | | | | | | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | ##### | | ##### |
| 56 | | | | | | | | | | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | ##### | | ##### |
| 57 | | | | | | | | | | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | ##### | | ##### |
| 58 | | | | | | | | | | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | ##### | | ##### |
| 59 | | | | | | | | | | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | ##### | | ##### |
| 60 | | | | | | | | | | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | ##### | | ##### |
| 61 | | | | | | | | | | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | ##### | | ##### |
| 62 | | | | | | | | | | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | ##### | | ##### |
| 63 | | | | | | | | | | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | ##### | | ##### |
| 64 | | | | | | | | | | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | ##### | | ##### |
| 65 | | | | | | | | | | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | ##### | | ##### |
| 66 | | | | | | | | | | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | ##### | | ##### |
| 67 | | | | | | | | | | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | ##### | | ##### |
| 68 | | | | | | | | | | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | ##### | | ##### |
| 69 | | | | | | | | | | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | ##### | | ##### |
| 70 | | | | | | | | | | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | ##### | | ##### |
| 71 | | | | | | | | | | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | ##### | | ##### |
| 72 | | | | | | | | | | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | ##### | | ##### |

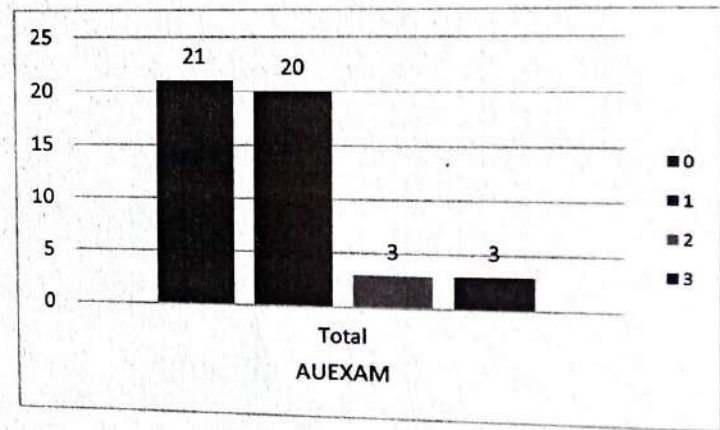
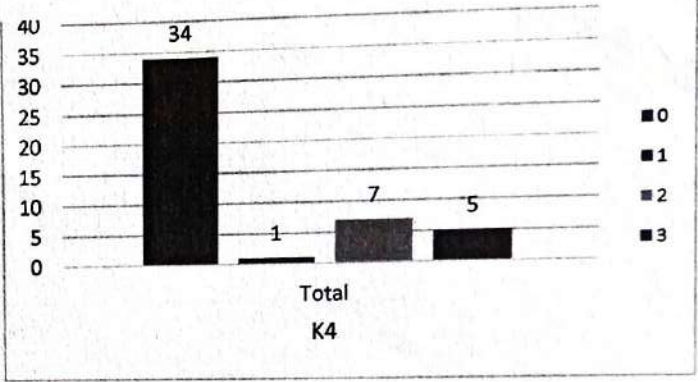
| Attainment Figure | |
|--|-----------|
| No of Students got attainment between 2.5 to 3 --> EXCELLENT | 0 |
| No of Students got attainment between 2 to 2.5 --> Very High | 0 |
| No of Students got attainment between 1.5 to 2 -->High | 20 |
| No of Students got attainment between 1 to 1.5 --> Medium | 0 |
| No of Students got attainment between 0.5 to 1 -->Low | 9 |
| No of Students got attainment between 0 to 0.5 --> Very Low | 18 |
| Total Number of Students | 47 |



| S.No | Registration No | Roll No | Name | K1 | K2 | K3 | K4 | K5 | Avg | AUEXAM |
|------|-----------------|---------|-----------------------|----|----|----|----|----|-----|--------|
| 1 | 20UME001 | | SAKTHIVEL.K | 2 | 3 | 3 | | | 3 | 0 |
| 2 | 20UME002 | | RAHUL.K | 0 | 2 | 0 | | | 1 | 0 |
| 3 | 20UME003 | | LOGESH.A | 0 | 3 | 0 | | | 1 | 0 |
| 4 | 20UME004 | | RAJA SRINIVAS.M | 0 | 1 | 0 | | | 0 | 2 |
| 5 | 20UME005 | | SANTHOSH.V | 0 | 3 | 3 | | | 2 | 2 |
| 6 | 20UME006 | | VIJAY.D | 3 | 2 | 0 | | | 2 | 0 |
| 7 | 20UME007 | | HARISH.S | 3 | 3 | 2 | | | 3 | 2 |
| 8 | 20UME008 | | DHANUSH KUMAR.M | 0 | 3 | 0 | | | 1 | 2 |
| 9 | 20UME009 | | ALPHONSE SAM ANTO.G | 0 | 3 | 1 | | | 1 | 2 |
| 10 | 20UME010 | | SHANMUGASUNDARAM.M | 0 | 3 | 0 | | | 1 | 0 |
| 11 | 20UME011 | | VIGNESH.L | 1 | 3 | 2 | | | 2 | 0 |
| 12 | 20UME012 | | MANOJ KUMAR.M | 0 | 3 | 1 | | | 1 | 2 |
| 13 | 20UME013 | | ARULMURUGAN.K | 0 | 3 | 0 | | | 1 | 0 |
| 14 | 20UME014 | | NAVANEETHA KRISHNAN.P | 1 | 3 | 2 | | | 2 | 2 |
| 15 | 20UME015 | | ANANTHA KANNAN.K | 1 | 3 | 0 | | | 1 | 2 |
| 16 | 20UME016 | | JAIDEEP KUMAR.K | 0 | 3 | 3 | | | 2 | 0 |
| 17 | 20UME017 | | SHYAM.M.DA | 1 | 3 | 3 | | | 2 | 0 |
| 18 | 20UME018 | | MAREESWARAN.R | 0 | 3 | 3 | | | 2 | 2 |
| 19 | 20UME019 | | JEEVA.K | 0 | 3 | 2 | | | 2 | 2 |
| 20 | 20UME020 | | BALAMANIKANDAN.V | 1 | 3 | 2 | | | 2 | 2 |
| 21 | 20UME021 | | BHARATH.M | 2 | 3 | 2 | | | 2 | 0 |
| 22 | 20UME022 | | SAIKISHORE.K | 0 | 3 | 3 | | | 2 | 0 |
| 23 | 20UME023 | | SIVAGURU.U | 0 | 3 | 0 | | | 1 | 2 |
| 24 | 20UME024 | | SIVARAJ.K | 0 | 0 | 0 | | | 0 | 1 |
| 25 | 20UME025 | | SHYAM GANESH.V | 0 | 3 | 2 | | | 2 | 0 |
| 26 | 20UME026 | | SHANMUGAPRIYAN.A.G | 0 | 2 | 0 | | | 1 | 0 |
| 27 | 20UME027 | | KALAI SELVAN.R | 0 | 0 | 0 | | | 0 | 2 |
| 28 | 20UME028 | | HARIHARAN.N | 0 | 0 | 0 | | | 0 | 1 |
| 29 | 20UME029 | | THANGARAJ.T | 0 | 3 | 0 | | | 1 | 1 |
| 30 | 20UME030 | | HARISURIYA.M | 0 | 3 | 2 | | | 2 | 2 |
| 31 | 20UME031 | | PREM KUMAR.V.V | 0 | 3 | 0 | | | 1 | 2 |
| 32 | 20UME032 | | PRAVEEN.C | 0 | 3 | 0 | | | 1 | 1 |
| 33 | 20UME033 | | SILAMPARASAN.P | 0 | 3 | 1 | | | 1 | 2 |
| 34 | 20UME034 | | SATHISHKUMAR.D | 0 | 3 | 0 | | | 1 | 1 |
| 35 | 20UME036 | | KARTHIGAI SELVAN.R | 3 | 2 | 0 | | | 2 | 0 |
| 36 | 20UME037 | | THIRUMALAI RAJ.K | 0 | 3 | 1 | | | 1 | 2 |
| 37 | 20UME038 | | NAGENDRAN.J | 0 | 0 | 0 | | | 0 | 0 |
| 38 | 20UME039 | | GOKULAKRISHNAN.E | 0 | 2 | 0 | | | 1 | 1 |
| 39 | 20UME040 | | SREE PRABHU.A | 0 | 3 | 2 | | | 2 | 2 |
| 40 | 20UME041 | | SARAVANA KUMAR.C | 0 | 3 | 0 | | | 1 | 0 |
| 41 | 20UME043 | | SABARIS.H.G | 2 | 3 | 2 | | | 2 | 0 |
| 42 | 20UME044 | | KESAVAN.J | 0 | 3 | 0 | | | 1 | 2 |



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|----|----------|---------------------|---|---|---|--|--|---|---|
| 43 | 20UME045 | RAJAGURU.C | 2 | 3 | 2 | | | 2 | 2 |
| 44 | 20UME046 | CHANDRA KUMAR.G | 0 | 3 | 1 | | | 1 | 2 |
| 45 | 20UME047 | AKASH.A | 3 | 3 | 3 | | | 3 | 0 |
| 46 | 20UME048 | SUBRAMANIAN.P | 0 | 3 | 0 | | | 1 | 1 |
| 47 | 20UME049 | ROHIT VISHNU.K | 0 | 3 | 0 | | | 1 | 1 |
| 48 | 20UME050 | AKILAN KARUPPAIAH.P | 3 | 3 | 3 | | | 3 | 0 |
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(An Autonomous Institution - AFFILIATED TO ANNA UNIVERSITY, CHENNAI)

S.P.G.Chidambara Nader - C.Nagammal Campus
S.P.G.C. Nagar, K.Vellakulam - 625 701 (Near VIRUDHUNAGAR).

COURSE CLOSURE REPORT

Department of Mechanical Engineering

| | | | |
|---------------------------|----------------------------|--------------------------------|-----------|
| Faculty Name / Department | : B.K.Parrthipan | Course Code | : GE1671 |
| Course Name | : Total Quality Management | | |
| Target for End Semester | : B | Target for internal assessment | : 60% |
| Academic Year | : 2023-24 | Year/Branch | : IV/Mech |
| Course code (As per NBA) | : 20C435 | Regulation | : R2020 |

1. Methodologies adopted for content delivery:

Lecture with discussion, power point presentation, Videos

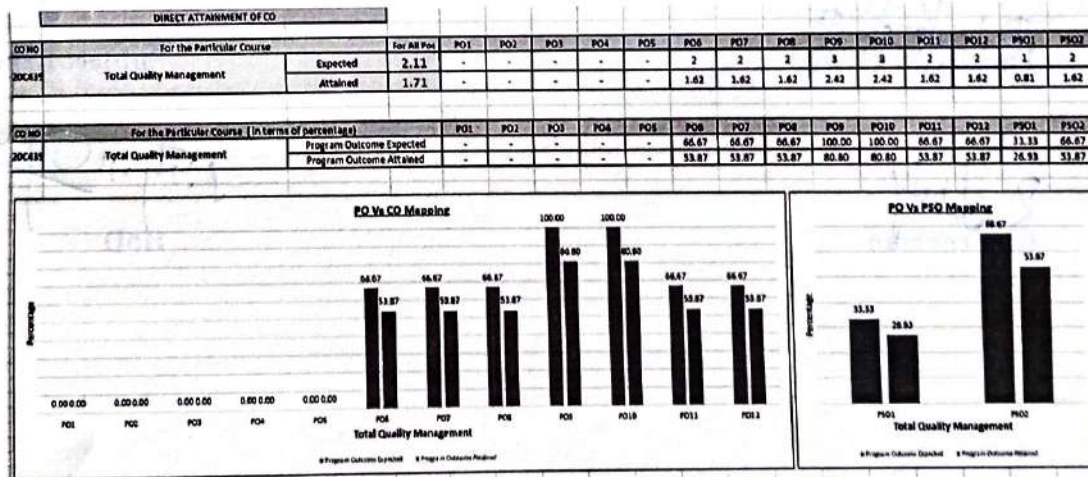
2. Suggestions for improvement:

NPTEL videos, more tutorial sessions

3. Innovations adopted in Teaching-Learning process:

Tailor Made content in Slide Share & Poster Making Contest

4. CO-PO attainment Level:



$$\text{Course Target Level} = \text{Course Attained} / \text{Course Expected} * 3$$

$$= 1.71 / 2.11 * 3 = 2.43$$

Course Attainment Range:

2.5 - 3 = Very High

2 - 2.5 = High

1.5 - 2 = Medium

1 - 1.5 = Low

Less than 1 = Very Low

5. Have you achieved the target level? (Yes/ NO): Yes

6. If target not attained, give reasons: -

7. Give action plan for future reference:

NPTEL courses on Total Quality Management.

8. Whether course outcome needs revision?

No

9. If yes, mention how?

-

10. Suggestions to improve Course Material:

Review more books and may update the existing course material.


Faculty In-charge


Subject Expert


Chairperson


HoD